Appendix F

Air Quality, Energy, and Greenhouse Gases Modeling Data

Construction Emissions Summary

Phase	Year	ROG (lb/day)	NOX (lb/day)	PM10 (lb/day)	PM10 (tons/year)	PM2.5 (lb/day)	PM2.5 (tons/year)
1	2020	11.75	148.14	23.27	1.37	13.84	0.80
Offsite	2020	1.92	17.11	10.81	1.43	2.82	0.37
1	2021	20.53	103.64	13.59	0.92	7.26	0.39
1	2022	16.50	25.66	5.34	0.62	1.56	0.18
2A	2023	2.38	22.97	3.96	0.04	1.41	0.01
2A	2024	7.54	37.72	19.86	0.66	11.20	0.34
2B	2024	7.05	30.05	3.31	0.26	1.34	0.10
2B	2025	6.89	28.63	3.23	0.05	0.54	0.03
2C	2023	2.77	29.01	19.63	0.21	11.18	0.12
2C	2024	14.25	28.61	19.59	0.38	11.18	0.19
2C	2025	14.22	14.82	2.08	0.11	0.63	0.03
2D	2025	2.60	26.63	19.52	1.29	11.03	0.73
3A	2026	2.19	20.53	1.59	0.02	0.94	0.02
3A	2027	5.93	27.64	19.75	0.45	11.08	0.24
3B	2027	2.57	26.53	19.45	0.44	11.01	0.25
3B	2028	14.95	26.49	19.45	0.26	11.01	0.14
3C	2029	1.46	13.45	6.63	0.39	3.44	0.21

Max Daily

	Year	ROG (lb/day)	NOX (lb/day)	PM10 (lb/day)	PM10 (tons/year)	PM2.5 (lb/day)	PM2.5 (tons/year)
	2020	13.7	165.3	34.1	2.8	16.7	1.2
	2021	20.5	103.6	13.6	0.9	7.3	0.4
	2022	16.5	25.7	5.3	0.6	1.6	0.2
	2023	5.1	52.0	23.6	0.2	12.6	0.1
	2024	28.8	96.4	42.8	1.3	23.7	0.6
	2025	23.7	70.1	24.8	1.4	12.2	0.8
	2026	2.2	20.5	1.6	0.0	0.9	0.0
	2027	8.5	54.2	39.2	0.9	22.1	0.5
	2028	14.9	26.5	19.4	0.3	11.0	0.1
	2029	1.5	13.5	6.6	0.4	3.4	0.2

Operational Emissions Summary

	Source	ROG (lb/day)	NOX (lb/day)	PM10 (lb/day)	PM10 (tons/year)	PM2.5 (lb/day)	PM2.5 (tons/year)
	Area	29.1	0.0	-	0.0	0.0	0.0
	Energy	5.3	13.4	2.9	0.4	2.9	0.4
	Mobile	13.0	57.4	145.8	18.3	39.4	5.0
	Helicopter	22.1	23.1	0.7	0.0		
	Total	69.5	93.9	149.4	18.8	42.4	5.4

Offsite Infrastructure Improvements

SMUD Electric Upgrade

Linear Feet	10,500
Miles	2
Width (ft)	40
Area (acre)	9.6

Wastewater Pipe

Linear Feet	3,960
Miles	0.75
Width (ft)	25
Area (acre)	2.3

Total

Linear Feet	14,460
Miles	2.75
Width (ft)	65
Area (acre)	11.9

Air Quality Mitigation Plan Calculations

Unmitigated Summer Emissions

Source	ROG (lb/day)	NOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Area	31.2	0.1	0.1	0.1
Energy	5.3	13.4	2.9	2.9
Mobile	18.6	82.0	208.2	56.3
Helicopter	22.1	23.1	0.7	
Total	77.2	118.7	211.9	59.3
SMAQMD Threshold	65	65	80	82
Exceeds Threshold?	Yes	Yes	Yes	No

Unmitigated Winter Emissions

Source	ROG (lb/day)	NOX (lb/day)	PM10 (lb/day)	PM2.5 (lb/day)
Area	31.2	0.1	0.1	0.1
Energy	5.3	13.4	2.9	2.9
Mobile	16.8	91.6	208.2	56.3
Helicopter	22.1	23.1	0.7	
Total	75.3	128.3	211.9	59.3
SMAQMD Threshold	65	65	80	82
Exceeds Threshold?	Yes	Yes	Yes	No

Target Setting

Source	ROG (tons/year)	NOX (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)
Area	5.7	0.0	0.0	0.0
Energy	0.5	1.1	0.5	0.5
Mobile Emissions	2.2	11.4	26.2	7.1
Helicopter	0.9	0.9	0.0	
Total	9.2	13.4	26.7	7.6
15% Target	0.3	1.7		

Mobile-Source Reductions

	ROG (tons/year)	NOX (tons/year)	PM10 (tons/year)	PM2.5 (tons/year)
Area	5.7	0.0	0.0	0.0
Energy	0.5	1.1	0.5	0.5
Mobile Emissions with TDM Plan, EV	1.1	6.5	17.9	4.8
Helicopter	0.9	0.9	0.0	
Total	8.1	8.5	18.5	5.3
Difference between with and withou	1.1	4.9	8.2	2.3
Meet Target?	Yes	Yes	N/A	N/A

VMT Estimates

	Without TDM Plan	With TDM Plan
Daily Trips	21,106	14,774
Daily VMT	201,388	140,972
Annual VMT	69,881,636	48,917,145

GHG Emissions Summary

Existing Site

Source	MTCO2e/year
Area	0
Energy	488
Mobile	7,995
Waste	67
Water	14
Stationary	20
Total	8,583

Construction

Phase	Year	Off-Road Equipment	On-Road Travel	MTCO2e
1	2020	607.18	453.31	1,267.22
Offsite	2020			612.85
1	2021	416.51	1,393.65	1,810.16
1	2022	30.43	1,215.06	1,245.50
2A	2023	35.94	7.36	43.30
2A	2024	297.04	223.06	520.11
2B	2024	164.34	614.69	779.03
2B	2025	55.85	111.67	167.53
2C	2023	35.41	7.36	42.76
2C	2024	247.19	429.29	676.49
2C	2025	13.81	334.76	348.57
2D	2025	222.67	48.73	271.40
3A	2026	39.37	7.79	47.16
3A	2027	214.15	194.84	408.98
3B	2027	75.91	15.09	91.00
3B	2028	141.37	180.13	321.49
3C	2029	134.37	97.64	232.01
Total	0	2,731.53	5,334.44	8,885.55

Operational Emissions - Unmitigated

Source	MTCO2e/year
Area	3
Energy	14,682
Mobile	24,568
Stationary	925
Waste	2,685
Water	138
Amortized Construction	296
Total	43,296

Mitigation Measures

Measure	MTCO2e/year
Solar Reduction	(1,002)
EV Charging Reduction	(801)
SMUD Greenergy	(7,363)
TDM Plan	(7,274)
Carbon Sequestration Gain	(11)
Total	(16,452)

Land Use Assumptions

		Land Use in CalEEMod						
Phase	**Project Building**	**Type**	**Amount**	**Unit**	**Water Demand (gal/year)**	**Electricity Demand (kWh/year)**	**Natural Gas Demand (MMBTU/year)**	**Notes**
1	CNU Medical Center (Hospital Podium/West Tower w/Helistop)	Hospital	596,790	sq ft	42,871,510	20,887,700	68,631	Accounts for reduced water demand from xeriscaping
			250	beds				
		Enclosed Parking with Elevator	230	spaces				
			33,290	sq ft				
	Central Plant	General Light Industry	22,850	sq ft	2,190,000	1,008,000	-	
	Central Plant Parking	Enclosed Parking with Elevator	14,650	sq ft	-	-	-	
			80	spaces				
	Mechanical Yard	Surface Parking Lot	15,500	sq ft	-	-	-	
2	CNU Med Center (Hospital Podium/West Tower w/Helistop/East Tower)	Hospital	103,210	sq ft	7,101,510	3,612,400	11,869	Accounts for reduced water demand from xeriscaping
			150	beds				
	Out-Patient Clinic	Hospital	168,500	sq ft	12,410,000	5,897,500	19,378	
	Out-Patient Clinic Parking	Enclosed Parking with Elevator	170	spaces				
			33,700	sq ft				
	Parking Garage 1	Unenclosed Parking with Elevator	205,600	sq ft	-	-	-	
			1,500	spaces				
	Retail South	Strip Mall	51,400	sq ft	2,920,000	1,088,000	1,142	
	Medical Office Building	Medical Office Building	100,000	sq ft	7,300,000	3,500,000	11,500	
	Central Quad Landscape Area	City Park	3.2139449	acres	-	-	-	
			140,000	sq ft				
3	Parking Garage 2	Unenclosed Parking with Elevator	165,600	sq ft	-	-	-	
			1,000	spaces				
	Retail North	Strip Mall	41,400	sq ft	2,190,000	828,000	869	
	Dormitory	Apartments Mid-Rise	96,000	sq ft	5,837,735	2,400,000	4,800	Accounts for reduced water demand from xeriscaping
			150	dwelling units				
	Admin Support	General Office Building	24,000	sq ft				
	Student Parking	Enclosed Parking with Elevator	70,000	sq ft	1,825,000	700,000	735	
			200	spaces				
		Sport Floor	35,000	sq ft				
Total					84,645,755	39,921,600	118,924	

CalEEMod VMT Calculator - Operational Scenario

This calculator was created based on the default trip inputs for the unmitigated CalEEMod run. The calculator calculates the annual VMT from the proposed project using the same methodology from CalEEMod, described in Appendix A, for the UNMITIGATED SCENARIO. This calculator can be used to adjust land use trip rates for the MITIGATED PROJECT scenario which is based on the traffic study conducted for the project

Daily VMT Provided by Traffic Study	**201,388**
Annual VMT	**69,881,636**

Trip Type

CalEEMod defaults based on land uses inputted

Land Use	Miles			Trip %			Trip Purpose		
	H-w or C-W	H-S or C-C	H-O or C-O	H-w or C-W	H-S or C-C	H-O or C-O	Primary	Diverted	Pass-by
hospital	100.00	40.46	46.990	64.9%	16.1%	19.0%	73.0%	25.0%	2.0%

Total Trips

Total Trips = (TripRate weekday x 5 +Trip Sat + Trip Sun)

Average Daily Trips Based on CalEEMod Trip Gen Defaults per land use unit. Total trips Calculated

Land Use	Average Daily Trip Rate			
	weekday	Saturday	Sunday	Total Trips (weekly)
hospital	4221.2	0	0	**21106**
				21106

Trip Length Calc

AVG Trip Length = Link % primary x trip length primary+link % divertedx0.25x length trip primary+link % passbyx0.1

Trip length calculated for each trip type based on trip purpose % and length defaults from CalEEMod

Land Use

hospital	link % primary	trip length primary	link % diverted	Constant (0.25)	trip length primary	link % passby	constant	Trip Length
H-W or c-w	73.0%	100.00	25.0%	0.25	100	2.0%	0.1	79.3
h-s or c-c	73.0%	40.46	25.0%	0.25	40.46	2.0%	0.1	32.1
h-o or c-o	73.0%	46.99	25.0%	0.25	46.99	2.0%	0.1	37.2

VMT Calc Per Land Use Type (Weekly)

VMT = #Trips x AVG Trip Length per land use and trip type

Trip number for each trip type are derived by multiplying the total trips for each land use calculated above in the Total Trip Calcs by the trip % shown in the Trip Type table for each land use

hospital	**# trips**	**trip length**	**Weekly VMT**	**Annual VMT**
H-W or c-w	13,698	79.3	1,085,578	
h-s or c-c	3,398	32.1	108,964	
h-o or c-o	4,010	37.2	149,344	
Total VMT			1,343,886	69,882,059.15

Annual VMT Calc

the calculated weekly VMT for each land use is summed. This value is multiplied by 50 weeks/year to equal the annual VMT number calculated by CalEEMod

Summed Weekly VMT from Each Land Use	1,343,885.75			
Weeks per Year CalEEMod Uses for Annual VMT	52.00		52.0000	52.14285714
Calculated Annual VMT	69,882,059	423.15		
		191,458		

CalEEMod VMT Calculator - Operational Scenario

This calculator was created based on the default trip inputs for the unmitigated CalEEMod run. The calculator calculates the annual VMT from the proposed project using the same methodology from CalEEMod, described in Appendix A, for the UNMITIGATED SCENARIO. This calculator can be used to adjust land use trip rates for the MITIGATED PROJECT scenario which is based on the traffic study conducted for the project

Daily VMT with TDM Plan (30% Reduction)	**140,972**
Annual VMT	**48,917,145**

Trip Type

CalEEMod defaults based on land uses inputted

Land Use	Miles			Trip %			Trip Purpose		
	H-w or C-W	H-S or C-C	H-O or C-O	H-w or C-W	H-S or C-C	H-O or C-O	Primary	Diverted	Pass-by
hospital	100.00	40.45	47.000	64.9%	16.1%	19.0%	73.0%	25.0%	2.0%

Total Trips

Total Trips = (TripRate weekday x 5 +Trip Sat + Trip Sun)

Average Daily Trips Based on CalEEMod Trip Gen Defaults per land use unit. Total trips Calculated

Land Use	Average Daily Trip Rate			
	weekday	Saturday	Sunday	Total Trips (weekly)
hospital	2954.84	0	0	**14774.2**
	2.95484			

Trip Length Calc

AVG Trip Length = Link % primary x trip length primary+link % divertedx0.25x length trip primary+link % passbyx0.1

Trip length calculated for each trip type based on trip purpose % and length defaults from CalEEMod

Land Use

hospital	link % primary	trip length primary	link % diverted	Constant (0.25)	trip length primary	link % passby	constant	Trip Length
H-W or c-w	73.0%	100.00	25.0%	0.25	100	2.0%	0.1	79.3
h-s or c-c	73.0%	40.45	25.0%	0.25	40.446	2.0%	0.1	32.1
h-o or c-o	73.0%	47.00	25.0%	0.25	47	2.0%	0.1	37.2

VMT Calc Per Land Use Type (Weekly)

VMT = #Trips x AVG Trip Length per land use and trip type

Trip number for each trip type are derived by multiplying the total trips for each land use calculated above in the Total Trip Calcs by the trip % shown in the Trip Type table for each land use

hospital	**# trips**	**trip length**	**Weekly VMT**	**Annual VMT**
H-W or c-w	9,588	79.3	759,904	
h-s or c-c	2,379	32.1	76,249	
h-o or c-o	2,807	37.2	104,563	
Total VMT			940,716	48,917,225.88

Annual VMT Calc

the calculated weekly VMT for each land use is summed. This value is multiplied by 50 weeks/year to equal the annual VMT number calculated by CalEEMod

Summed Weekly VMT from Each Land Use	940,715.88			
Weeks per Year CalEEMod Uses for Annual VMT	52.00		52.0000	52.14285714
Calculated Annual VMT	**48,917,226**	80.68		
		134,020		

Helicopter Emissions

Helicopter operation	**Value**	Source
Gallons of jet fuel used per hour	100	FOCA 2009 - used AS 365 N3 Dauphin as proxy
Gallons of fuel used per LTO	15	FOCA 2009 - used AS 365 N3 Dauphin as proxy
Average hours/use (assumes 2 LTO)	4	assumption
Total Days Helicopter Used per Year	78	Applicant data - 1 trip per week
Total Hours Helicopter Used per Year	312	calculated
Gallons used for LTO	1,208	calculated
Gallons used for cruising	31,302	calculated
Total gallons used per year	32,510	calculated
Jet A Emissions Factor (kg CO2/gal)	9.7497	Climate Registry 2017 Emission Factors
Jet A Emissions Factor (kg N2O/gal)	0.000308	Climate Registry 2017 Emission Factors
GWP N2O	298	
LTO MTCO2E	11.89	
Cruising MTCO2E	308.06	
Total MTCO2E	319.95	
Note: No emission factor available for CH4 helicopter emissions.		

Helicopter Information	**Value**	**Source**
Aircraft Type	Helicopter	
Engine Type	2 x Safran Helicopter Engines Arriel 2E	Airbus
Engine SHP	894	Airbus
Number of engines	2	Airbus
Mean operating percent power per engine for large twin turboshaft helicopters	62%	FOCA 2009
Fuel flow per engine for engines up to 1000 SHP (kg/s)	0.0631139	FOCA 2009
Fuel flow per hour (kg/h)	282	FOCA 2009

Emissions Calculations					
	HC	**ROG (5)**	**NOX**	**PM Non-Volatile**	**Source**
LTO EF (g/LTO)*	667	845	285	9	FOCA 2009
Cruising EF (g/hour)*	1310	1659	2340	68	FOCA 2009
Max Net Emissions per day (lbs/day)	17.434	22.078	23.149	0.679	
Annual Emissions (tons/year)	0.680	0.861	0.903	0.026	
** Assume AS 365 N3 Dauphin with Arriel 2C*					

Sources:
https://www.airbus.com/helicopters/civil-helicopters/light-twin/h145.html
FOCA 2009 - Guidance on the Determination of Helicopter Emissions

Summary of GHG Emissions

Existing Site

	MTCO2e/year		
Source	Phase 1	Phase 2	Phase 3
Area	0	0	0
Energy	114	340	34
Mobile	2,381	4,903	800
Waste	20	39	8
Water	6	8	-
Stationary	-	20	-
Total	**2,521**	**5,309**	**842**
30 Year Total	**75,642**	**159,280**	**25,275**

Construction

Phase	Year	Off-Road Equipment	On-Road Travel	MTCO2e
1	2020	607	453	1,267
1	2021	417	1,394	1,810
1	2022	30	1,215	1,245
2A	2023	36	7	43
2A	2024	297	223	520
2B	2024	164	615	779
2B	2025	56	112	168
2C	2023	35	7	43
2C	2024	247	429	676
2C	2025	14	335	349
2D	2025	223	49	271
3A	2026	39	8	47
3A	2027	214	195	409
3B	2027	76	15	91
3B	2028	141	180	321
3C	2029	134	98	232
Total		**2,732**	**5,334**	**8,273**

Total by Year				
	Year	Off-Road Equipment	On-Road Travel	MTCO2e
	2020	607	453	1,267
	2021	417	1,394	1,810
	2022	30	1,215	1,245
	2023	71	15	86
	2024	709	1,267	1,976
	2025	292	495	787
	2026	39	8	47
	2027	290	210	500
	2028	141	180	321
	2029	134	98	232
Total				**8,273**

Operational Emissions - Unmitigated

First Year of Operation	MTCO2e/year		
Phase	Phase 1	Phase 2	Phase 3
Year	2023	2026	2030
Area	0	0	3
Energy	8,914	4,863	904
Mobile	13,539	7,378	4,366
Stationary	925	-	-
Waste	3,256	2,046	68
Water	82	45	12
Total	**26,716**	**14,332**	**5,352**

Operational Emissions - Mitigated

First Year of Operation	MTCO2e/year		
Phase	Phase 1	Phase 2	Phase 3
Year	2023	2026	2030
Area	0	0	3
Energy	8,914	4,863	904
Mobile	13,539	7,378	4,366
Stationary	925	-	-
Waste	1,628	1,023	34
Water	82	45	12
Solar Reduction	(319)	(456)	(227)
EV Charging Reduction	(335)	(353)	(113)
SMUD Greenergy	(4,950)	(2,076)	(338)
TDM Plan	(3,998)	(2,181)	(1,310)
Carbon Sequestration Gain	-	-	(11)
Total	**15,486**	**8,242**	**3,320**

Total Lifetime Operation	811,575
Net Increase in Operation	551,377
Project Total w/ Construction	559,650

Vegetation Change Calculation

	Number of trees	MTCO2e	MTCO2e/year
Trees Removed for Construction	292	207	
New Trees Gained after Construction	313	222	11.1

Notes

Assumed all trees removed are fully mature

Assumed new planted trees are miscellaneous mix of species

Source: CalEEMod 2016.3.2

Existing Site Mobile Source GHG Emissions

Year	Phase	Project VMT (mi)	CO2 (g)	CO2 (MT)	CH4 (g)	CH4 (MT)	N2O (g)	N2O (MT)	**CO2e (MT)**
2,020	1	5,857,053	2,337,174,016.23	2,337.17	142,149.74	0.14	135,193.64	0.14	**2,381**
2,023	2	13,100,155	4,817,583,448.29	4,817.58	277,588.10	0.28	263,756.35	0.26	**4,903**
2,026	3	2,290,295	786,807,386.09	786.81	44,544.30	0.04	41,734.67	0.04	**800**

EMFAC2017 Output

Year		VMT (mi)	CO2 (ton/day)	CH4 (ton/day)	N2O (ton/day)
2020	All Vehicles	38,312,798	16,852.33	1.02	0.97
2023	All Vehicles	39,750,906	16,114.02	0.93	0.88
2026	All Vehicles	41,135,078	15,577.34	0.88	0.83

Year		CO2 (g/mi)	CH4 (g/mi)	N2O (g/mi)
2020	All Vehicles	399.04	0.02	0.02
2023	All Vehicles	367.75	0.02	0.02
2026	All Vehicles	343.54	0.02	0.02

1	Ton
907185	Grams
1000000	g/MT

Phase	Total Sq Ft	Percent of Total Sq Ft
1	37199	28%
2	83201	62%
3	14546	11%

Phase 1 Project Mobile Source GHG Emissions - 2023

	Project VMT (mi)	CO2 (g)	CO2 (MT)	CH4 (g)	CH4 (MT)	N2O (g)	N2O (MT)	**CO2e (MT)**
Without TDMs	35,604,629	13,093,605,776	13,094	754,451	0.75	716,858	0.72	**13,326**
With TDMs	24,923,240	9,165,524,043	9,165.52	528,115	0.53	501,800	0.50	**9,328**

EMFAC2017 Output				
	VMT (mi)	CO2 (ton/day)	CH4 (ton/day)	N2O (ton/day)
All Vehicles	39,750,906	16,114.02	0.93	0.88

	CO2 (g/mi)	CH4 (g/mi)	N2O (g/mi)
All Vehicles	367.75	0.02	0.02

Phase 2 Project Mobile Source GHG Emissions - 2026

	Project VMT (mi)	CO2 (g)	CO2 (MT)	CH4 (g)	CH4 (MT)	N2O (g)	N2O (MT)	**CO2e (MT)**
Without TDMs	20,807,508	7,148,205,207	7,148	404,688	0.40	379,163	0.38	**7,271**
With TDMs	14,565,256	5,003,743,645	5,003.74	283,282	0.28	265,414	0.27	**5,090**

EMFAC2017 Output				
	VMT (mi)	CO2 (ton/day)	CH4 (ton/day)	N2O (ton/day)
All Vehicles	41,135,078	15,577.34	0.88	0.83

	CO2 (g/mi)	CH4 (g/mi)	N2O (g/mi)
All Vehicles	343.54	0.02	0.02

Phase 3 Project Mobile Source GHG Emissions - 2030

	Project VMT (mi)	CO2 (g)	CO2 (MT)	CH4 (g)	CH4 (MT)	N2O (g)	N2O (MT)	**CO2e (MT)**
Without TDMs	13,469,499	4,293,135,599	4,293	245,548	0.25	223,362	0.22	**4,366**
With TDMs	9,428,649	3,005,194,920	3,005.19	171,884	0.17	156,353	0.16	**3,056**

EMFAC2017 Output				
	VMT (mi)	CO2 (ton/day)	CH4 (ton/day)	N2O (ton/day)
All Vehicles	43,068,139	15,131.55	0.87	0.79

	CO2 (g/mi)	CH4 (g/mi)	N2O (g/mi)
All Vehicles	318.73	0.02	0.02

Construction Modeling Inputs

Phase 1 - Hospital	CalEEMod Land Use	Land Use Size	Unit
Hospital	Hospital	596,790	sq ft
		250	beds
Hospital Parking Garage	Enclosed Parking Garage with Elevator	230	spaces
		33,290	sq ft
Central Plant	General Light Industry	22,850	sq ft
Central Plant Parking Garage	Enclosed Parking Garage with Elevator	80	spaces
		14,650	sq ft
Mechanical Yard	Parking Lot	15,500	sq ft

Construction Activities	Start Date	End Date	Maximum Workers	Maximum Haul Truck Trips (per day)	Demolition Debris (sq ft)	Export Material (cy)	Notes
Site Preparation/Demolition	5/1/2020	12/31/2020	20	8	37,199	-	Demolition of State Farm/CNU Psychology College, Dreaming Dog Brewery, Stone Bake Oven/PK Pizza/++, Flaming Grill/Miyabi/Marie's
Excavation	7/1/2020	10/15/2020	30	25	0	50,942	
Foundation	10/16/2020	2/28/2021	75	125	0	-	
Structural Framing	12/1/2020	6/30/2021	50	30	0	-	
Exterior Enclosure/Arch Coating	5/1/2021	10/31/2021	35	20	0	-	
Hospital Interior	5/1/2021	11/30/2022	450	100	0	-	

Phase 2A - Retail/Parking Garage 1	CalEEMod Land Use	Land Use Size	Unit
Parking Garage 1	Unenclosed Parking Garage with Elevator	205,600	sq ft
		1,500	spaces
Retail	Strip Mall	51400	sq ft

Construction Activities	Start Date	End Date	Maximum Workers	Maximum Haul Truck Trips (per day)	Demolition Debris (sq ft)	Export Material (cy)	Notes
Site Preparation/Demolition	12/1/2023	1/15/2024	20	8	83,201		Demolition of All-Data building and Stonelake Animal Hospital/Results
Excavation	1/31/2024	3/15/2024	20	15	0	22,844	51,400 SF – 12 Ft deep
Foundation	3/16/2024	5/15/2024	50	30	0	0	
Structural Framing	5/16/2024	7/15/2024	30	20	0	0	
Exterior Enclosure/Arch Coating	7/16/2024	9/15/2024	20	20	0	0	
Interior	9/16/2024	12/31/2024	100	20	0	0	

Phase 2B - Patient Tower 2	CalEEMod Land Use	Land Use Size	Unit
Hospital	Hospital	103,210	sq ft
		150	beds

Construction Activities	Start Date	End Date	Maximum Workers	Maximum Haul Truck Trips (per day)	Demolition Debris (sq ft)	Export Material (cy)	Notes
Site Preparation	7/1/2024	8/15/2024	20	8	0	0	
Structural Framing	8/16/2024	1/15/2025	45	30	0	0	
Exterior Enclosure/Arch Coating	1/16/2025	3/31/2025	30	20	0	0	
Interior	4/1/2024	1/31/2025	100	60	0	0	

Phase 2C - MOB/Out-Patient Clinic	CalEEMod Land Use	Land Use Size	Unit
Medical Office Building	Medical Office Building	100,000	sq ft
Out-Patient Clinic	Hospital	134,800	sq ft
Parking Garage	Enclosed Parking Garage with Elevator	170	spaces
		33,700	sq ft

Construction Activities	Start Date	End Date	Maximum Workers	Maximum Haul Truck Trips (per day)	Demolition Debris (sq ft)	Export Material (cy)	Notes
Site Preparation	12/1/2023	1/15/2024	20	8	0	0	
Excavation	1/16/2024	2/15/2024	20	15	0	21,219	33,700 SF – 17 Ft deep
Foundation	2/16/2024	4/15/2024	50	30	0	0	
Structural Framing	4/16/2024	7/15/2024	30	20	0	0	
Exterior Enclosure/Arch Coating	7/16/2024	10/15/2024	30	20	0	0	
Interior	10/16/2024	5/30/2025	80	20	0	0	

Phase 2D - Central Quad Landscape Area	CalEEMod Land Use	Land Use Size	Unit
Landscape Area	City Park	140,000	sq ft
		3.2139	acre

Construction Activities	Start Date	End Date	Maximum Workers	Maximum Haul Truck Trips (per day)	Demolition Debris (sq ft)	Export Material (cy)	Notes
Site Preparation	5/1/2025	10/31/2025	30	8	0	0	

Phase 3A - Retail/Parking Garage 2	CalEEMod Land Use	Land Use Size	Unit
Parking Garage 2	Unenclosed Parking Garage with Elevator	165,600	sq ft
		1,000	spaces
Retail	Strip Mall	41,400	sq ft

Construction Activities	Start Date	End Date	Maximum Workers	Maximum Haul Truck Trips (per day)	Demolition Debris (sq ft)	Export Material (cy)	Notes
Site Preparation/Demolition	12/1/2026	1/15/2027	20	8	14,546	0	
Excavation	1/16/2027	2/15/2027	20	15	0	18,400	41,400 SF – 12 Ft deep
Foundation	2/16/2027	4/15/2027	50	30	0	0	
Structural Framing	4/16/2027	6/15/2027	30	20	0	0	
Exterior Enclosure/Arch Coating	6/16/2027	8/15/2027	20	20	0	0	
Interior	8/16/2027	11/30/2027	30	20	0	0	

Phase 3B - Dormitory/Admin Support Building	CalEEMod Land Use	Land Use Size	Unit
Dormitory	Apartments Mid-Rise	96,000	sq ft
		150	dwelling units
Admin Support	General Office Building	24,000	sq ft

Construction Activities	Start Date	End Date	Maximum Workers	Maximum Haul Truck Trips (per day)	Demolition Debris (sq ft)	Export Material (cy)	Notes
Site Preparation	11/1/2027	1/15/2028	20	8	0	0	
Foundation	1/16/2028	2/15/2028	50	30	0	0	
Structural Framing	2/16/2028	3/31/2028	30	20	0	0	
Exterior Enclosure/Arch Coating	6/1/2028	8/15/2028	20	20	0	0	
Interior	8/16/2028	12/31/2028	60	20	0	0	

Phase 3C - Parking /Sport Building	CalEEMod Land Use	Land Use Size	Unit
Parking Structure	Enclosed Parking Garage with Elevator	70,000	sq ft
		200	spaces

Construction Activities	Start Date	End Date	Maximum Workers	Maximum Haul Truck Trips (per day)	Demolition Debris (sq ft)	Export Material (cy)	Notes
Site Preparation	1/1/2029	2/15/2029	20	10	0	0	
Excavation	2/16/2029	4/15/2029	20	10	0	15,556	35,000 SF – 12 Ft deep
Foundation	4/16/2029	6/15/2029	30	20	0	0	
Structural Framing	6/16/2029	7/15/2029	20	20	0	0	
Exterior Enclosure/Arch Coating	7/16/2029	9/15/2029	20	5	0	0	
Interior	9/16/2029	10/31/2029	20	5	0	0	

Operational Off-Model Calculations

Phase	Electricity Demand (kWh/year)	Natural Gas Demand (MMBTU/year)	Back Up Generator Diesel Demand (gal/year)	Electricity Emissions (MTCO2e)	Natural Gas Emissions (MTCO2e)	Diesel Emissions (MTCO2e)
1	21,895,700	68,631	89,376	5,269	3,645	925
2	14,097,900	43,889	-	2,532	2,331	-
3	3,928,000	6,404	-	564	340	-

Proposed Project Building Energy, Water, Solid Waste Operation

		Land Use in CalEEMod						
Phase	**Project Building**	**Type**	**Amount**	**Unit**	**Water Demand (gal/year)**	**Electricity Demand (kWh/year)**	**Natural Gas Demand (cubic feet/year)**	**Notes**
1	CNU Medical Center (Hospital Podium/West Tower w/Helistop)	Hospital	596,790	sq ft	42,871,510	20,887,700	68,630,900	Accounts for reduced water demand from xeriscaping
			250	beds				
		Enclosed Parking with Elevator	230	spaces				
			33,290	sq ft				
	Central Plant	General Light Industry	22,850	sq ft	2,190,000	1,008,000	-	
	Central Plant Parking	Enclosed Parking with Elevator	14,650	sq ft	-	-	-	
			80	spaces				
	Mechanical Yard	Surface Parking Lot	15,500	sq ft	-	-	-	
2	CNU Med Center (Hospital Podium/West Tower w/Helistop/East Tower)	Hospital	103,210	sq ft	7,101,510	3,612,400	11,869,200	Accounts for reduced water demand from xeriscaping
			150	beds				
	Out-Patient Clinic	Hospital	168,500	sq ft	12,410,000	5,897,500	19,377,500	
	Out-Patient Clinic Parking	Enclosed Parking with Elevator	170	spaces				
			33,700	sq ft				
	Parking Garage 1	Unenclosed Parking with Elevator	205,600	sq ft	-	-	-	
			1,500	spaces				
	Retail South	Strip Mall	51,400	sq ft	2,920,000	1,088,000	1,142,400	
	Medical Office Building	Medical Office Building	100,000	sq ft	7,300,000	3,500,000	11,500,000	
	Central Quad Landscape Area	City Park	3.2139449	acres	-	-	-	
			140,000	sq ft				
3	Parking Garage 2	Unenclosed Parking with Elevator	165,600	sq ft	-	-	-	
			1,000	spaces				
	Retail North	Strip Mall	41,400	sq ft	2,190,000	828,000	869,400	
	Dormitory	Apartments Mid-Rise	96,000	sq ft	5,837,735	2,400,000	4,800,000	Accounts for reduced water demand from xeriscaping
			150	dwelling units				
	Admin Support	General Office Building	24,000	sq ft				
	Student Parking	Enclosed Parking with Elevator	70,000	sq ft	1,825,000	700,000	735,000	
			200	spaces				
		Sport Floor	35,000	sq ft				

Existing Building Energy, Water, Solid Waste Operation

	Land Use in CalEEMod				
Project Building	**Type**	**Amount**	**Unit**	**Indoor Water Demand**	**Outdoor Water Demand (gal/year)**
All Data Building	General Office Building	76,000	sq ft	6,000,000	3,756,603
2501, 2505, 2509,2521, 2525, 2619 West Taron Court	Strip Mall	58,946	sq ft	CalEEMod Default	Included above

Green Project Features

On-Site Solar

	kWh/year	MTCO2e	sq ft	m^2	kW system
Phase 1	1,327,446	319.44	46,665	4,335	824
Phase 2	2,537,432	455.68	89,335	8,299	1,577
Phase 3	1,578,453	226.77	55,590	5,164	981

EV Charging Stations

Phase 1		
Number of Chargers	37	
Number of Connections per Charge	2	<-- assumption
Average Charging hours per Connection per day	3	<-- assumption
Number of hours of charge per year for all chargers (h/year)	70,034	
Average Efficiency of EV LDV (kWh/100-mi) (1)	34	<-for MY2015-2018
Average Efficiency of Gasoline LDV in 2023 (mpg)	32	<- EMFAC2017 for Sacramento
GHG Emissions per kWh in 2023 (MTCO2e/kWh)	0.0002406	
GHG Emissions per mi for average gasoline LDV (gCO2/mi)	325	
Emissions reductions per EV mi (kg CO2/mi)	0.24	

Type of EV Charger	Charger Power (kW or kWh/h) (2)	Charged amount (kWh)	Equivalent VMT (mi)	EV emissions (MT CO2e)	Equivalent Gasoline emissions (MT CO2e)	Emissions reductions (MT CO2e)	Emissions reductions per hour of charge (kg CO2e/h)	ROG Emission Reduction (tons)	NOx Emission Reduction (tons)	PM10 Emission Reduction (tons)	PM2.5 Emission Reduction (tons)	
Level 2 (high)	6.6	462,221.76	1,374,514	111	446	335	5	0.47	1.48	0.36	0.19	
		Total VMT	1,374,514		Total Reductions	335		2.59	8.10	1.96	1.04	lb/day

Phase 2		
Number of Chargers	36	
Number of Connections per Charge	2	<-- assumption
Average Charging hours per Connection per day	3	<-- assumption
Number of hours of charge per year for all chargers (h/year)	68,141	
Average Efficiency of EV LDV (kWh/100-mi) (1)	34	<-for MY2015-2018
Average Efficiency of Gasoline LDV in 2026 (mpg)	35	<- EMFAC2017 for Sacramento
GHG Emissions per kWh in 2026 (MTCO2e/kWh)	0.0001796	
GHG Emissions per mi for average gasoline LDV (gCO2/mi)	325	
Emissions reductions per EV mi (kg CO2/mi)	0.26	

Type of EV Charger	Charger Power (kW or kWh/h) (2)	Charged amount (kWh)	Equivalent VMT (mi)	EV emissions (MT CO2e)	Equivalent Gasoline emissions (MT CO2e)	Emissions reductions (MT CO2e)	Emissions reductions per hour of charge (kg CO2e/h)
Level 2 (high)	6.6	449,729.28	1,337,365	81	434	353	5
		Total VMT	1,337,365		Total Reductions	353	

Phase 3			
Number of Chargers		11	
Number of Connections per Charge		2	<-- assumption
Average Charging hours per Connection per day		3	<-- assumption
Number of hours of charge per year for all chargers (h/year)		20,821	
Average Efficiency of EV LDV (kWh/100-mi) (1)		34	<-for MY2015-2018
Average Efficiency of Gasoline LDV in 2030 (mpg)		38	<- EMFAC2017 for Sacramento
GHG Emissions per kWh in 2030 (MTCO2e/kWh)		0.0001437	
GHG Emissions per mi for average gasoline LDV (gCO2/mi)		325	
Emissions reductions per EV mi (kg CO2/mi)		0.28	

Type of EV Charger	Charger Power (kW or kWh/h) (2)	Charged amount (kWh)	Equivalent VMT (mi)	EV emissions (MT CO2e)	Equivalent Gasoline emissions (MT CO2e)	Emissions reductions (MT CO2e)	Emissions reductions per hour of charge (kg CO2e/h)
Level 2 (high)	6.6	137,417.28	408,639	20	133	113	5
		Total VMT	408,639		Total Reductions	113	

Helicopter Emissions

Phase 1 GHG Emissions

Helicopter operation	**Value**	Source
Gallons of jet fuel used per hour	100	FOCA 2009 - used AS 365 N3 Dauphin as proxy
Gallons of fuel used per LTO	15	FOCA 2009 - used AS 365 N3 Dauphin as proxy
Average hours/use (assumes 2 LTO)	4	assumption
Total Days Helicopter Used per Year	52	Applicant data - 1 trip per week
Total Hours Helicopter Used per Year	208	calculated
Gallons used for LTO	805	calculated
Gallons used for cruising	20,868	calculated
Total gallons used per year	21,674	calculated
Jet A Emissions Factor (kg CO2/gal)	9.7497	Climate Registry 2017 Emission Factors
Jet A Emissions Factor (kg N2O/gal)	0.000308	Climate Registry 2017 Emission Factors
GWP N2O	298	
LTO MTCO2E	7.93	
Cruising MTCO2E	205.37	
Total MTCO2E	213.30	
Note: No emission factor available for CH4 helicopter emissions.		

Phase 2 GHG Emissions

Helicopter operation	**Value**	Source
Gallons of jet fuel used per hour	100	FOCA 2009 - used AS 365 N3 Dauphin as proxy
Gallons of fuel used per LTO	15	FOCA 2009 - used AS 365 N3 Dauphin as proxy
Average hours/use (assumes 2 LTO)	4	assumption
Total Days Helicopter Used per Year	26	Applicant data - 0.5 trip per week
Total Hours Helicopter Used per Year	104	calculated
Gallons used for LTO	403	calculated
Gallons used for cruising	10,434	calculated
Total gallons used per year	10,837	calculated
Jet A Emissions Factor (kg CO2/gal)	9.7497	Climate Registry 2017 Emission Factors
Jet A Emissions Factor (kg N2O/gal)	0.000308	Climate Registry 2017 Emission Factors
GWP N2O	298	
LTO MTCO2E	3.96	
Cruising MTCO2E	102.69	
Total MTCO2E	106.65	
Note: No emission factor available for CH4 helicopter emissions.		

FOCA 2009 - Guidance on the Determination of Helicopter Emissions

Emission Factors

Electricity Emission Factors

2014 SMUD ELECTRICITY EF	Amount	Units	Source
CO2	561.08	lb/MWh	Martha Helek, SMUD, email communication to Dimitri Antoniou of Ascent Environmental on June 28, 2016
CH4	0.014116	lb/MWh	Calculated from eGrid 2012 (Updated October 2015)
N20	0.002572	lb/MWh	Calculated from eGrid 2012 (Updated October 2015)
2020 SMUD ELECTRICITY EF			
CO2	529.4699	lb/MWh	33% RPS
CH4	0.013321	lb/MWh	
N20	0.002427	lb/MWh	
2026 SMUD ELECTRICITY EF			50% RPS
CO2	395.1268	lb/MWh	
CH4	0.009941	lb/MWh	
N20	0.001811	lb/MWh	
2030 SMUD ELECTRICITY EF			60% RPS
CO2	316.1014	lb/MWh	
CH4	0.007953	lb/MWh	
N20	0.001449	lb/MWh	
Natural Gas Emission Factors			
	53.06	kg CO2/MMBtu	2017 Default Emission Factors Table 12.1
	0.001	kg CH4/MMBtu	2017 Default Emission Factors Table 12.9
	0.0001	kg N2O/MMBtu	2017 Default Emission Factors Table 12.9
Diesel Emission Factors			
	10.21	kg CO2/gal	2017 Default Emission Facotrs Table 13.1
	0.00006	kg CH4/gal	2017 Default Emission Factors Table 13.7
	0.00045	kg N2O/gal	2017 Default Emission Factors Table 13.7
Conversion Factors			
lb/MT	2204.623		
BTU/ft^3	1000		
BTU/MMBTU	1000000		
MT/kg	0.001		
g/lb	453.592		
lb jet fuel/gallon	6.79		

Energy Calculations Summary

Operational Fuel Use Summary

Vehicle Class	Diesel Gallons	Gasoline Gallons
Passenger	7,660	1,137,303
Truck	266,867	260,377
Bus	9,801	10,794
Other	841	3,919
Total	**285,169**	**1,412,393**

1. Fleet mix calculated from CalEEMod default values.
2. Gallons per mile calculated from EMFAC 2017.
3. Annual VMT calculated based on daily VMT and adjustment factor of 347 days/year.

Operational Natural Gas Use Summary

Total	Amount	Unit
	118,924	MMBTU/year

Operational Electricity Use Summary

	Amount	Unit
Total	**39,921,600**	**kWh/year**
	39,921.60	MWh/year

Operational Diesel Consumption Summary

	Amount	Unit
Total	**89,376**	**gal/year**

Energy Calculations Summary

Construction Fuel Usage Summary

	Diesel	Gasoline	Diesel	Diesel
Construction Phase	**Off-road Equipment (gallons)**	**On-road (gallons)**	**On-road (gallons)**	**Total**
1	66,664	46,764	147,058	213,722
Offsite Improvements	31,492	1,170	0	31,492
2A	20,567	2,857	12,268	32,835
2B	10,555	6,466	41,043	51,598
2C	19,418	4,477	45,686	65,105
2D	13,938	878	791	14,729
3A	16,367	1,709	11,844	28,211
3B	13,860	2,249	11,067	24,926
3C	8,453	1,066	5,625	14,078
TOTAL	**169,822**	**66,465**	**275,382**	**445,205**

Total Gasoline	**66,465**	**gallons**
Total Diesel	**445,205**	**gallons**

Phase 1 Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Saws	1	8	81	0.73	175	0.6	2,483
Demolition	Excavators	3	8	158	0.38	175	0.6	7,565
Demolition	Rubber Tired Dozers	2	8	247	0.4	175	0.6	8,299
Excavation	Rubber Tired Dozers	3	8	247	0.4	96	0.6	6,829
Excavation	Tractors/Loaders/Backhoes	4	8	97	0.37	96	0.6	3,308
Foundation	Excavators	2	8.00	158	0.38	96	0.6	2,767
Foundation	Graders	1	8.00	187	0.41	96	0.6	1,766
Foundation	Rubber Tired Dozers	1	8.00	247	0.40	96	0.6	2,276
Foundation	Scrapers	2	8.00	367	0.48	96	0.6	8,117
Foundation	Tractors/Loaders/Backhoes	2	8.00	97	0.37	96	0.6	1,654
Structural Framing	Cranes	1	7.00	231	0.29	152	0.6	2,138
Structural Framing	Forklifts	3	8.00	89	0.20	152	0.6	1,948
Structural Framing	Generator Sets	1	8.00	84	0.74	152	0.6	2,268
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37	152	0.6	3,437
Structural Framing	Welders	1	8.00	46	0.45	152	0.6	755
Exterior Enclosure	Pavers	2	8.00	130	0.42	130	0.6	3,407
Exterior Enclosure	Paving Equipment	2	8.00	132	0.36	130	0.6	2,965
Exterior Enclosure	Rollers	2	8.00	80	0.38	130	0.6	1,897
Hospital Interior	Air Compressors	1	6.00	78	0.48	413	0.6	2,783
							TOTAL	**66,664**

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker, vendor, haul)	**Total gallons of gasoline**	**Total gallons of diesel**
Demolition	20	8	175	3500	1400	0	10.00	20.00	20.00	35,000	28000	-	0.6	776	3,228
Excavation	30	25	77	2310	1925	0	10.00	20.00	20.00	23,100	38500	0	0.6	512	4,438
Foundation	75	125	96	7,200	12,000	0	10.00	20.00	20.00	72,000	240,000	0	0.6	1,596	27,666
Structural Framing	50	30	152	7,600	4,560	0	10.00	20.00	20.00	76,000	91,200	0	0.6	1,684	10,513
Exterior Enclosure	35	20	130	4,550	2,600	0	10.00	20.00	20.00	45,500	52,000	0	0.6	1,008	5,994
Hospital Interior	450	100	413	185,850	41,300	0	10.00	20.00	20.00	1,858,500	826,000	0	0.6	41,188	95,218
													TOTAL	**46,764**	**147,058**

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Phase 2A Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Saws	1	8	81	0.73	32	0.6	454
Demolition	Excavators	3	8	158	0.38	32	0.6	1,383
Demolition	Rubber Tired Dozers	2	8	247	0.4	32	0.6	1,518
Excavation	Rubber Tired Dozers	3	8	247	0.4	33	0.6	2,347
Excavation	Tractors/Loaders/Backhoes	4	8	97	0.37	33	0.6	1,137
Foundation	Excavators	2	8.00	158	0.38	43	0.6	1,239
Foundation	Graders	1	8.00	187	0.41	43	0.6	791
Foundation	Rubber Tired Dozers	1	8.00	247	0.40	43	0.6	1,020
Foundation	Scrapers	2	8.00	367	0.48	43	0.6	3,636
Foundation	Tractors/Loaders/Backhoes	2	8.00	97	0.37	43	0.6	741
Structural Framing	Cranes	1	7.00	231	0.29	43	0.6	605
Structural Framing	Forklifts	3	8.00	89	0.20	43	0.6	551
Structural Framing	Generator Sets	1	8.00	84	0.74	43	0.6	641
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37	43	0.6	972
Structural Framing	Welders	1	8.00	46	0.45	43	0.6	214
Exterior Enclosure	Pavers	2	8.00	130	0.42	44	0.6	1,153
Exterior Enclosure	Paving Equipment	2	8.00	132	0.36	44	0.6	1,004
Exterior Enclosure	Rollers	2	8.00	80	0.38	44	0.6	642
Hospital Interior	Air Compressors	1	6.00	78	0.48	77	0.6	519
							TOTAL	**20,567**

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker, vendor, haul)	**Total gallons of gasoline**	**Total gallons of diesel**
Demolition	20	8	32	640	256	0	10.00	20.00	20.00	6,400	5120	-	0.6	142	590
Excavation	20	15	33	660	495	0	10.00	20.00	20.00	6,600	9900	0	0.6	146	1,141
Foundation	50	30	43	2,150	1,290	0	10.00	20.00	20.00	21,500	25,800	0	0.6	476	2,974
Structural Framing	20	20	43	860	860	0	10.00	20.00	20.00	8,600	17,200	0	0.6	191	1,983
Exterior Enclosure	20	20	44	880	880	0	10.00	20.00	20.00	8,800	17,600	0	0.6	195	2,029
Hospital Interior	100	20	77	7,700	1,540	0	10.00	20.00	20.00	77,000	30,800	0	0.6	1,706	3,551
													TOTAL	**2,857**	**12,268**

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Phase 2B Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Site Preparation	Graders	1	8	187	0.41	34	0.6	626
Site Preparation	Scrapers	1	8	367	0.48	34	0.06	144
Site Preparation	Tractors/Loaders/Backhoes	1	7	97	0.37	34	0.6	256
Structural Framing	Cranes	1	7.00	231	0.29	109	0.6	1,533
Structural Framing	Forklifts	2	8.00	89	0.20	109	0.6	931
Structural Framing	Generator Sets	1	8.00	84	0.74	109	0.6	1,626
Structural Framing	Tractors/Loaders/Backhoes	1	7.00	97	0.37	109	0.6	822
Structural Framing	Welders	1	8.00	46	0.45	109	0.6	542
Exterior Enclosure	Cement and Mortar Mixers	1	8.00	9	0.56	53	0.6	64
Exterior Enclosure	Pavers	1	8.00	130	0.42	53	0.6	695
Exterior Enclosure	Paving Equipment	1	8.00	132	0.36	53	0.6	604
Exterior Enclosure	Rollers	2	8.00	80	0.38	53	0.6	773
Exterior Enclosure	Tractors/Loaders/Backhoes	1	8.00	97	0.37	53	0.6	457
Interior	Air Compressors	1	6.00	78	0.48	220	0.6	1,483
							TOTAL	**10,555**

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker, vendor, haul)	**Total gallons of gasoline**	**Total gallons of diesel**
Site Preparation	20	8	34	680	272	0	10.00	20.00	20.00	6,800	5440	0	0.6	151	627
Structural Framing	45	30	109	4,905	3,270	0	10.00	20.00	20.00	49,050	65,400	0	0.6	1,087	7,539
Exterior Enclosure	30	20	53	1,590	1,060	0	10.00	20.00	20.00	15,900	21,200	0	0.6	352	2,444
Interior	100	60	220	22,000	13,200	0	10.00	20.00	20.00	220,000	264,000	0	0.6	4,876	30,433
													TOTAL	**6,466**	**41,043**

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Phase 2C Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	32	0.6	1,103
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	32	0.6	2,276
Excavation	Excavators	1	8	158	0.38	23	0.6	331
Excavation	Graders	1	8	187	0.41	23	0.6	423
Excavation	Rubber Tired Dozers	3	8	247	0.4	23	0.6	1,636
Excavation	Tractors/Loaders/Backhoes	4	8	97	0.37	23	0.6	792
Foundation	Cranes	1	7	231	0.29	42	0.6	591
Foundation	Forklifts	3	8.00	89	0.20	42	0.6	538
Foundation	Generator Sets	1	8.00	84	0.74	42	0.6	627
Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37	42	0.6	1,085
Foundation	Welders	1	8.00	46	0.45	42	0.6	209
Structural Framing	Cranes	1	7	231	0.29	65	0.6	914
Structural Framing	Forklifts	3	8.00	89	0.20	65	0.6	833
Structural Framing	Generator Sets	1	8.00	84	0.74	65	0.6	970
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37	65	0.6	1,470
Structural Framing	Welders	1	8.00	46	0.45	65	0.6	323
Exterior Enclosure	Pavers	2	8.00	130	0.42	66	0.6	1,730
Exterior Enclosure	Paving Equipment	2	8.00	132	0.36	66	0.6	1,505
Exterior Enclosure	Rollers	2	8.00	80	0.38	66	0.6	963
Interior	Air Compressors	1	6.00	78	0.48	163	0.6	1,098
							TOTAL	**19,418**

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker, vendor, haul)	**Total gallons of gasoline**	**Total gallons of diesel**
Site Preparation	20	8	32	640	256	0	10.00	20.00	20.00	6,400	5120	-	0.6	142	590
Excavation	20	20	23	460	460	0	10.00	20.00	20.00	4,600	9200	0	0.6	102	1,061
Foundation	50	50	42	2,100	2,100	0	10.00	20.00	20.00	21,000	42,000	0	0.6	465	4,842
Structural Framing	30	30	66	1,980	1,980	0	10.00	20.00	20.00	19,800	39,600	0	0.6	439	4,565
Exterior Enclosure	30	30	66	1,980	1,980	0	10.00	20.00	20.00	19,800	39,600	0	0.6	439	4,565
Interior	80	80	163	13,040	13,040	0	10.00	20.00	20.00	130,400	260,800	0	0.6	2,890	30,064
													TOTAL	**4,477**	**45,686**

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Phase 2D Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	132	0.6	4,548
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	132	0.6	9,390
							TOTAL	**13,938**

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker, vendor, haul)	**Total gallons of gasoline**	**Total gallons of diesel**
Site Preparation	30	8	132	3960	1056	0	10.00	6.50	20.00	39,600	6864	-	0.6	878	791
													TOTAL	**878**	**791**

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Phase 3A Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Site Preparation	Concrete/Industrial Saws	1	8	81	0.73	34	0.6	483
Site Preparation	Excavators	3	8	158	0.38	34	0.6	1,470
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	34	0.6	2,419
Excavation	Rubber Tired Dozers	3	8	247	0.4	21	0.6	1,494
Excavation	Tractors/Loaders/Backhoes	4	8	97	0.37	21	0.6	724
Foundation	Excavators	1	8	158	0.38	43	0.6	620
Foundation	Graders	1	8	187	0.41	43	0.6	791
Foundation	Rubber Tired Dozers	1	8.00	247	0.40	43	0.6	1,020
Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37	43	0.6	1,111
Structural Framing	Cranes	1	7	231	0.29	43	0.6	605
Structural Framing	Forklifts	3	8.00	89	0.20	43	0.6	551
Structural Framing	Generator Sets	1	8.00	84	0.74	43	0.6	641
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37	43	0.6	972
Structural Framing	Welders	1	8.00	46	0.45	43	0.6	214
Exterior Enclosure	Pavers	2	8.00	130	0.42	43	0.6	1,127
Exterior Enclosure	Paving Equipment	2	8.00	132	0.36	43	0.6	981
Exterior Enclosure	Rollers	2	8.00	80	0.38	43	0.6	627
Interior	Air Compressors	1	6.00	78	0.48	77	0.6	519
							TOTAL	**16,367**

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker, vendor, haul)	**Total gallons of gasoline**	**Total gallons of diesel**
Site Preparation	20	8	34	680	272	0	10.00	20.00	20.00	6,800	5440	-	0.6	151	627
Excavation	20	15	21	420	315	0	10.00	20.00	20.00	4,200	6300	0	0.6	93	726
Foundation	50	30	43	2,150	1,290	0	10.00	20.00	20.00	21,500	25,800	0	0.6	476	2,974
Structural Framing	30	20	43	1,290	860	0	10.00	20.00	20.00	12,900	17,200	0	0.6	286	1,983
Exterior Enclosure	20	20	43	860	860	0	10.00	20.00	20.00	8,600	17,200	0	0.6	191	1,983
Interior	30	20	77	2,310	1,540	0	10.00	20.00	20.00	23,100	30,800	0	0.6	512	3,551
													TOTAL	**1,709**	**11,844**

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Phase 3B Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	55	0.6	3,912
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	55	0.6	1,895
Foundation	Excavators	1	8	158	0.38	22	0.6	317
Foundation	Graders	1	8	187	0.41	22	0.6	405
Foundation	Rubber Tired Dozers	1	8.00	247	0.40	22	0.6	522
Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37	22	0.6	568
Structural Framing	Cranes	1	7	231	0.29	33	0.6	464
Structural Framing	Forklifts	3	8.00	89	0.20	33	0.6	423
Structural Framing	Generator Sets	1	8.00	84	0.74	33	0.6	492
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37	33	0.6	746
Structural Framing	Welders	1	8.00	46	0.45	33	0.6	164
Exterior Enclosure	Cement and Mortar Mixers	2	6.00	9	0.56	54	0.6	98
Exterior Enclosure	Pavers	1	8.00	130	0.42	54	0.6	708
Exterior Enclosure	Paving Equipment	2	8.00	132	0.36	54	0.6	1,232
Exterior Enclosure	Rollers	2	8.00	80	0.38	54	0.6	788
Exterior Enclosure	Tractors/Loaders/Backhoes	1	8.00	97	0.37	54	0.6	465
Interior	Air Compressors	1	6.00	78	0.48	98	0.6	660
							TOTAL	**13,860**

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker, vendor, haul)	**Total gallons of gasoline**	**Total gallons of diesel**
Site Preparation	20	8	55	1100	440	0	10.00	20.00	20.00	11,000	8800	-	0.6	244	1,014
Foundation	50	30	22	1,100	660	0	10.00	20.00	20.00	11,000	13,200	0	0.6	244	1,522
Structural Framing	30	20	33	990	660	0	10.00	20.00	20.00	9,900	13,200	0	0.6	219	1,522
Exterior Enclosure	20	20	54	1,080	1,080	0	10.00	20.00	20.00	10,800	21,600	0	0.6	239	2,490
Interior	60	20	98	5,880	1,960	0	10.00	20.00	20.00	58,800	39,200	0	0.6	1,303	4,519
													TOTAL	**2,249**	**11,067**

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Phase 3C Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Site Preparation	Graders	1	8	187	0.41	34	0.6	626
Site Preparation	Tractors/Loaders/Backhoes	1	7	97	0.37	34	0.6	256
Site Preparation	Rubber Tired Dozers	1	8	247	0.4	34	0.6	806
Excavation	Graders	1	8	187	0.41	41	0.6	754
Excavation	Rubber Tired Dozers	1	8	247	0.4	41	0.6	972
Excavation	Tractors/Loaders/Backhoes	1	8	97	0.37	41	0.6	353
Foundation	Graders	1	6	187	0.41	45	0.6	621
Foundation	Rubber Tired Dozers	1	6.00	247	0.40	45	0.6	800
Foundation	Tractors/Loaders/Backhoes	1	7.00	97	0.37	45	0.6	339
Structural Framing	Cranes	1	6	231	0.29	20	0.6	241
Structural Framing	Forklifts	1	6.00	89	0.20	20	0.6	64
Structural Framing	Generator Sets	1	8.00	84	0.74	20	0.6	298
Structural Framing	Tractors/Loaders/Backhoes	1	6.00	97	0.37	20	0.6	129
Structural Framing	Welders	3	8.00	46	0.45	20	0.6	298
Exterior Enclosure	Cement and Mortar Mixer	1	6.00	9	0.56	45	0.6	41
Exterior Enclosure	Pavers	1	6.00	130	0.42	45	0.6	442
Exterior Enclosure	Paving Equipment	1	8.00	132	0.36	45	0.6	513
Exterior Enclosure	Rollers	1	7.00	80	0.38	45	0.6	287
Exterior Enclosure	Tractors/Loaders/Backhoes	1	8.00	97	0.37	45	0.6	388
Interior	Air Compressors	1	6.00	78	0.48	33	0.6	222
							TOTAL	**8,453**

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker, vendor, haul)	**Total gallons of gasoline**	**Total gallons of diesel**
Site Preparation	20	10	34	680	340	0	10.00	20.00	20.00	6,800	6800	-	0.6	151	784
Excavation	20	10	41	820	410	0	10.00	20.00	20.00	8,200	8200	0	0.6	182	945
Foundation	30	20	45	1,350	900	0	10.00	20.00	20.00	13,500	18,000	0	0.6	299	2,075
Structural Framing	20	20	20	400	400	0	10.00	20.00	20.00	4,000	8,000	0	0.6	89	922
Exterior Enclosure	20	5	45	900	225	0	10.00	20.00	20.00	9,000	4,500	0	0.6	199	519
Interior	20	5	33	660	165	0	10.00	20.00	20.00	6,600	3,300	0	0.6	146	380
													TOTAL	**1,066**	**5,625**

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Offsite Improvements Construction Offroad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Utilities	Graders	1	8	187	0.41	264	0.6	4,858
Utilities	Air Compressors	1	8.00	78	0.48	264	0.6	2,372
Utilities	Generator Sets	1	8.00	84	0.74	264	0.6	3,938
Utilities	Plate Compactors	1	8	8	0.43	264	0.6	218
Utilities	Pumps	1	8	84	0.74	264	0.6	3,938
Utilities	Rough Terrain Forklifts	1	8	100	0.4	264	0.6	2,534
Utilities	Scrapers	1	8	367	0.48	264	0.6	11,161
Utilities	Trenchers	1	8.00	78	0.50	264	0.6	2,471
							TOTAL	**31,492**

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker, vendor, haul)	**Total gallons of gasoline**	**Total gallons of diesel**
Utilities	20	0	264	5280	0	0	10.00	20.00	20.00	52,800	0	-	0.6	1,170	0
													TOTAL	**1,170**	**0**

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: SACRAMENTO
Calendar Year: 2020
Season: Annual
Vehicle Classification: EMFAC2011 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdlYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
SACRAMENTO	2020	LDA	Aggregated	Aggregated	GAS	562,308	20,379,238	2,622,438	684.9	0.00	29.76	27.07	5.20
SACRAMENTO	2020	LDT1	Aggregated	Aggregated	GAS	62,566	2,093,110	283,205	81.8	0.00	25.58		
SACRAMENTO	2020	LDT2	Aggregated	Aggregated	GAS	200,449	7,002,680	925,793	301.8	0.00	23.20		
SACRAMENTO	2020	T7 tractor construction	Aggregated	Aggregated	DSL	246	17,276	1,111	0.00	3.32	5.20		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: SACRAMENTO
Calendar Year: 2030
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	Class	MdlYr	Speed	Fuel	Population	VMT (mi/day)	% of vehicle class EM	% CalEEMod vehicle	% project vehicle cla
SACRAMENTO	2030	HHDT	Truck	Aggregatec	Aggregatec	GAS	4.378608	596.9609148	0.000603807	0.02548	1.5385E-05
SACRAMENTO	2030	HHDT	Truck	Aggregatec	Aggregatec	DSL	12327.54	973367.5061	0.984529624	0.02548	0.025085815
SACRAMENTO	2030	HHDT	Truck	Aggregatec	Aggregatec	NG	360.5665	14698.01965	0.01486657	0.02548	0.0003788
SACRAMENTO	2030	LDA	Passenger	Aggregatec	Aggregatec	GAS	709747.4	23397685.97	0.940710545	0.576778	0.542581147
SACRAMENTO	2030	LDA	Passenger	Aggregatec	Aggregatec	DSL	7960.516	273992.7439	0.011015955	0.576778	0.006353761
SACRAMENTO	2030	LDA	Passenger	Aggregatec	Aggregatec	ELEC	30723.62	1200675.587	0.0482735	0.576778	0.027843093
SACRAMENTO	2030	LDT1	Passenger	Aggregatec	Aggregatec	GAS	73141.68	2276860.904	0.972212292	0.034729	0.033763961
SACRAMENTO	2030	LDT1	Passenger	Aggregatec	Aggregatec	DSL	74.26615	1088.646825	0.000464849	0.034729	1.61437E-05
SACRAMENTO	2030	LDT1	Passenger	Aggregatec	Aggregatec	ELEC	1609.921	63988.44232	0.027322859	0.034729	0.000948896
SACRAMENTO	2030	LDT2	Passenger	Aggregatec	Aggregatec	GAS	234188.8	7403480.864	0.968560836	0.211659	0.205004618
SACRAMENTO	2030	LDT2	Passenger	Aggregatec	Aggregatec	DSL	1974.815	68441.82837	0.008953906	0.211659	0.001895175
SACRAMENTO	2030	LDT2	Passenger	Aggregatec	Aggregatec	ELEC	6254.807	171872.7088	0.022485258	0.211659	0.004759207
SACRAMENTO	2030	LHDT1	Truck	Aggregatec	Aggregatec	GAS	14437.5	453287.803	0.507511626	0.012287	0.006235795
SACRAMENTO	2030	LHDT1	Truck	Aggregatec	Aggregatec	DSL	13641.03	439869.6734	0.492488374	0.012287	0.006051205
SACRAMENTO	2030	LHDT2	Truck	Aggregatec	Aggregatec	GAS	2115.309	67182.91556	0.28942461	0.00445	0.00128794
SACRAMENTO	2030	LHDT2	Truck	Aggregatec	Aggregatec	DSL	5132.585	164942.8721	0.71057539	0.00445	0.00316206
SACRAMENTO	2030	MCY	Passenger	Aggregatec	Aggregatec	GAS	32922.54	203129.869	1	0.00548	0.00548
SACRAMENTO	2030	MDV	Truck	Aggregatec	Aggregatec	GAS	153104.3	4597116.377	0.94497561	0.106131	0.100291206
SACRAMENTO	2030	MDV	Truck	Aggregatec	Aggregatec	DSL	4521.458	150846.7471	0.031007807	0.106131	0.00329089
SACRAMENTO	2030	MDV	Truck	Aggregatec	Aggregatec	ELEC	4179.206	116835.8502	0.024016583	0.106131	0.002548904
SACRAMENTO	2030	MH	Other	Aggregatec	Aggregatec	GAS	2401.982	21378.13403	0.700215779	0.000618	0.000432733
SACRAMENTO	2030	MH	Other	Aggregatec	Aggregatec	DSL	1110.852	9152.64617	0.299784221	0.000618	0.000185267
SACRAMENTO	2030	MHDT	Truck	Aggregatec	Aggregatec	GAS	1838.756	83408.90894	0.100916333	0.01838	0.001854842
SACRAMENTO	2030	MHDT	Truck	Aggregatec	Aggregatec	DSL	16026.9	743106.5441	0.899083667	0.01838	0.016525158
SACRAMENTO	2030	OBUS	Bus	Aggregatec	Aggregatec	GAS	482.1242	18484.29623	0.331182329	0.001877	0.000621629
SACRAMENTO	2030	OBUS	Bus	Aggregatec	Aggregatec	DSL	592.9203	37328.75479	0.668817671	0.001877	0.001255371
SACRAMENTO	2030	SBUS	Bus	Aggregatec	Aggregatec	GAS	191.6287	8653.610812	0.22833001	0.00061	0.000139281
SACRAMENTO	2030	SBUS	Bus	Aggregatec	Aggregatec	DSL	937.9608	29245.96626	0.77166999	0.00061	0.000470719
SACRAMENTO	2030	UBUS	Bus	Aggregatec	Aggregatec	GAS	276.605	20883.4518	0.269749754	0.001519	0.00040975
SACRAMENTO	2030	UBUS	Bus	Aggregatec	Aggregatec	DSL	0	0	0	0.001519	0
SACRAMENTO	2030	UBUS	Bus	Aggregatec	Aggregatec	NG	591.8562	56534.41963	0.730250246	0.001519	0.00110925

Project VMT (mi/yr)	48,917,145
Project Mobile Emissions (MT/yr)	17,293

	Gas (gal)	Diesel (gal)
Passenger	1,137,303	7,660
Truck	260,377	266,867
Bus	10,794	9,801
Other	3,919	841
Total	1,412,393	285,169

VMT by project vehicle class (mi,	Gallons of fuel	Trips	Fuel_Consumption (1000 gal/day)	Fuel (gal/day)	mi/gal
752.5898708	146.6229754	87.60719	0.116302636	116.3026356	5.132823617
1227126.446	163506.1353	94768.87	129.6945068	129694.5068	7.505078897
18529.82404	6929.63461	1406.209	5.496647214	5496.647214	2.673997271
26541520.74	738575.8582	3311415	651.0917805	651091.7805	35.93607947
310807.8339	5433.876003	37685.53	4.790235102	4790.235102	57.19818299
1362004.603		149837.9	0	0	
1651636.568	54198.27582	334156.2	74.71494499	74714.94499	30.47396882
789.7052045	35.98898824	259.3938	0.049612561	49.61256121	21.94296764
46417.26293		7889.978	0	0	
10028240.66	337355.0804	1078222	249.0568351	249056.8351	29.7260698
92706.54426	2190.12697	9419.155	1.616890106	1616.890106	42.32930123
232806.8269		30657.21	0	0	
305037.3064	32986.40976	215097.2	49.01806071	49018.06071	9.247363041
296007.6566	14596.87326	171587	21.69106687	21691.06687	20.27883995
63002.32423	7768.341378	31514.96	8.283818563	8283.818563	8.110138465
154678.9719	8547.770868	64561.46	9.114967988	9114.967988	18.09582572
268065.9557	7173.301416	65845.07	5.435646511	5435.646511	37.36995564
4905959.508	202528.0704	695429.1	189.7783925	189778.3925	24.22360268
160980.922	5007.577542	21362.06	4.692337287	4692.337287	32.14746466
124685.1077		20601.93	0	0	
21168.08017	3919.437981	240.2943	3.95833112	3958.33112	5.400794776
9062.71556	841.2369929	111.0852	0.849584707	849.5847067	10.77308254
90733.58552	16947.56675	36789.83	15.57943559	15579.43559	5.353782456
808363.5433	75209.12227	126453.3	69.13769356	69137.69356	10.74821137
30408.32739	5733.148809	9646.342	3.485006576	3485.006576	5.303948737
61409.15415	7109.00768	5806.739	4.321349286	4321.349286	8.638217445
6813.243875	659.5407562	766.5148	0.83769334	837.6933402	10.33028484
23026.2147	2691.668873	10823.94	3.418732001	3418.732001	8.554623834
20043.79422	4401.480978	1106.42	4.585864075	4585.864075	4.553875007
0		0	0	0	#DIV/0!
54261.34934		2367.425	14.63489342	14634.89342	

Gasoline Sum	1,407,992
Diesel Sum	282,478

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: County
Region: SACRAMENTO
Calendar Year: 2030
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	Class	MdlYr	Speed	Fuel	Population	VMT (mi/day)	% of vehicle class EM	% CalEEMod vehicle	% project vehicle cla
SACRAMENTO	2030	HHDT	Truck	Aggregatec	Aggregatec	GAS	4.378608	596.9609148	0.000603807	0.02548	1.5385E-05
SACRAMENTO	2030	HHDT	Truck	Aggregatec	Aggregatec	DSL	12327.54	973367.5061	0.984529624	0.02548	0.025085815
SACRAMENTO	2030	HHDT	Truck	Aggregatec	Aggregatec	NG	360.5665	14698.01965	0.01486657	0.02548	0.0003788
SACRAMENTO	2030	LDA	Passenger	Aggregatec	Aggregatec	GAS	709747.4	23397685.97	0.940710545	0.576778	0.542581147
SACRAMENTO	2030	LDA	Passenger	Aggregatec	Aggregatec	DSL	7960.516	273992.7439	0.011015955	0.576778	0.006353761
SACRAMENTO	2030	LDA	Passenger	Aggregatec	Aggregatec	ELEC	30723.62	1200675.587	0.0482735	0.576778	0.027843093
SACRAMENTO	2030	LDT1	Passenger	Aggregatec	Aggregatec	GAS	73141.68	2276860.904	0.972212292	0.034729	0.033763961
SACRAMENTO	2030	LDT1	Passenger	Aggregatec	Aggregatec	DSL	74.26615	1088.646825	0.000464849	0.034729	1.61437E-05
SACRAMENTO	2030	LDT1	Passenger	Aggregatec	Aggregatec	ELEC	1609.921	63988.44232	0.027322859	0.034729	0.000948896
SACRAMENTO	2030	LDT2	Passenger	Aggregatec	Aggregatec	GAS	234188.8	7403480.864	0.968560836	0.211659	0.205004618
SACRAMENTO	2030	LDT2	Passenger	Aggregatec	Aggregatec	DSL	1974.815	68441.82837	0.008953906	0.211659	0.001895175
SACRAMENTO	2030	LDT2	Passenger	Aggregatec	Aggregatec	ELEC	6254.807	171872.7088	0.022485258	0.211659	0.004759207
SACRAMENTO	2030	LHDT1	Truck	Aggregatec	Aggregatec	GAS	14437.5	453287.803	0.507511626	0.012287	0.006235795
SACRAMENTO	2030	LHDT1	Truck	Aggregatec	Aggregatec	DSL	13641.03	439869.6734	0.492488374	0.012287	0.006051205
SACRAMENTO	2030	LHDT2	Truck	Aggregatec	Aggregatec	GAS	2115.309	67182.91556	0.28942461	0.00445	0.00128794
SACRAMENTO	2030	LHDT2	Truck	Aggregatec	Aggregatec	DSL	5132.585	164942.8721	0.71057539	0.00445	0.00316206
SACRAMENTO	2030	MCY	Passenger	Aggregatec	Aggregatec	GAS	32922.54	203129.869	1	0.00548	0.00548
SACRAMENTO	2030	MDV	Truck	Aggregatec	Aggregatec	GAS	153104.3	4597116.377	0.94497561	0.106131	0.100291206
SACRAMENTO	2030	MDV	Truck	Aggregatec	Aggregatec	DSL	4521.458	150846.7471	0.031007807	0.106131	0.00329089
SACRAMENTO	2030	MDV	Truck	Aggregatec	Aggregatec	ELEC	4179.206	116835.8502	0.024016583	0.106131	0.002548904
SACRAMENTO	2030	MH	Other	Aggregatec	Aggregatec	GAS	2401.982	21378.13403	0.700215779	0.000618	0.000432733
SACRAMENTO	2030	MH	Other	Aggregatec	Aggregatec	DSL	1110.852	9152.64617	0.299784221	0.000618	0.000185267
SACRAMENTO	2030	MHDT	Truck	Aggregatec	Aggregatec	GAS	1838.756	83408.90894	0.100916333	0.01838	0.001854842
SACRAMENTO	2030	MHDT	Truck	Aggregatec	Aggregatec	DSL	16026.9	743106.5441	0.899083667	0.01838	0.016525158
SACRAMENTO	2030	OBUS	Bus	Aggregatec	Aggregatec	GAS	482.1242	18484.29623	0.331182329	0.001877	0.000621629
SACRAMENTO	2030	OBUS	Bus	Aggregatec	Aggregatec	DSL	592.9203	37328.75479	0.668817671	0.001877	0.001255371
SACRAMENTO	2030	SBUS	Bus	Aggregatec	Aggregatec	GAS	191.6287	8653.610812	0.22833001	0.00061	0.000139281
SACRAMENTO	2030	SBUS	Bus	Aggregatec	Aggregatec	DSL	937.9608	29245.96626	0.77166999	0.00061	0.000470719
SACRAMENTO	2030	UBUS	Bus	Aggregatec	Aggregatec	GAS	276.605	20883.4518	0.269749754	0.001519	0.00040975
SACRAMENTO	2030	UBUS	Bus	Aggregatec	Aggregatec	DSL	0	0	0	0.001519	0
SACRAMENTO	2030	UBUS	Bus	Aggregatec	Aggregatec	NG	591.8562	56534.41963	0.730250246	0.001519	0.00110925

Project VMT (mi/yr)	69,881,636
Project Mobile Emissions (MT/yr)	24,568

	Gas (gal)	Diesel (gal)
Passenger	1,624,718	10,943
Truck	371,967	381,239
Bus	15,420	14,001
Other	5,599	1,202
Total	2,017,704	407,385
	605,311	122,215

VMT by project vehicle class (mi	Gallons of fuel	Trips	Fuel_Consumption (1000 gal/day)	Fuel (gal/day)	mi/gal
1075.128387	209.4613934	87.60719	0.116302636	116.3026356	5.132823617
1753037.78	233580.1933	94768.87	129.6945068	129694.5068	7.505078897
26471.1772	9899.478015	1406.209	5.496647214	5496.647214	2.673997271
37916458.2	1055108.369	3311415	651.0917805	651091.7805	35.93607947
444011.1914	7762.680004	37685.53	4.790235102	4790.235102	57.19818299
1945720.862		149837.9	0	0	
2359480.811	77426.10831	334156.2	74.71494499	74714.94499	30.47396882
1128.150292	51.41284034	259.3938	0.049612561	49.61256121	21.94296764
66310.37561		7889.978	0	0	
14326058.09	481935.8291	1078222	249.0568351	249056.8351	29.7260698
132437.9204	3128.752815	9419.155	1.616890106	1616.890106	42.32930123
332581.1812		30657.21	0	0	
435767.5806	47123.44251	215097.2	49.01806071	49018.06071	9.247363041
422868.0809	20852.67609	171587	21.69106687	21691.06687	20.27883995
90003.32032	11097.63054	31514.96	8.283818563	8283.818563	8.110138465
220969.9599	12211.10124	64561.46	9.114967988	9114.967988	18.09582572
382951.3653	10247.57345	65845.07	5.435646511	5435.646511	37.36995564
7008513.582	289325.8148	695429.1	189.7783925	189778.3925	24.22360268
229972.7458	7153.682202	21362.06	4.692337287	4692.337287	32.14746466
178121.5824		20601.93	0	0	
30240.11453	5599.197116	240.2943	3.95833112	3958.33112	5.400794776
12946.73651	1201.767133	111.0852	0.849584707	849.5847067	10.77308254
129619.4079	24210.80964	36789.83	15.57943559	15579.43559	5.353782456
1154805.062	107441.6032	126453.3	69.13769356	69137.69356	10.74821137
43440.46769	8190.212584	9646.342	3.485006576	3485.006576	5.303948737
87727.36308	10155.72526	5806.739	4.321349286	4321.349286	8.638217445
9733.205536	942.2010803	766.5148	0.83769334	837.6933402	10.33028484
32894.59242	3845.241248	10823.94	3.418732001	3418.732001	8.554623834
28633.99174	6287.829968	1106.42	4.585864075	4585.864075	4.553875007
0		0	0	0	#DIV/0!
77516.21334		2367.425	14.63489342	14634.89342	

Gasoline Sum	2,011,417
Diesel Sum	403,540

Phase 1 Construction

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	596.79	1000sqft	13.70	596,790.00	0
General Light Industry	22.85	1000sqft	0.52	22,850.00	0
Enclosed Parking with Elevator	230.00	Space	2.07	33,290.00	0
Enclosed Parking with Elevator	80.00	Space	0.72	14,650.00	0
Parking Lot	15.50	1000sqft	0.36	15,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 1 Construction - Sacramento County, Annual

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Demolition -

Grading - 50,942 CY exported under excavation phase

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	309820	0
tblAreaCoating	Area_Nonresidential_Interior	929460	0
tblAreaCoating	Area_Parking	3806	0
tblConstructionPhase	NumDays	20.00	413.00
tblConstructionPhase	NumDays	300.00	152.00
tblConstructionPhase	NumDays	20.00	175.00
tblConstructionPhase	NumDays	30.00	96.00
tblConstructionPhase	NumDays	20.00	130.00
tblConstructionPhase	NumDays	10.00	77.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	4.57	0.00
tblEnergyUse	LightingElect	4.98	0.00

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tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	7.20	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24NG	12.42	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24E	3.41	0.00
tblEnergyUse	T24E	9.18	0.00
tblEnergyUse	T24NG	23.39	0.00
tblEnergyUse	T24NG	57.91	0.00
tblGrading	AcresOfGrading	240.00	75.00
tblGrading	MaterialExported	0.00	50,942.00
tblLandUse	LandUseSquareFeet	92,000.00	33,290.00
tblLandUse	LandUseSquareFeet	32,000.00	14,650.00
tblSolidWaste	SolidWasteGenerationRate	28.33	0.00
tblSolidWaste	SolidWasteGenerationRate	6,445.33	0.00
tblTripsAndVMT	HaulingTripNumber	169.00	0.00
tblTripsAndVMT	HaulingTripNumber	5,625.00	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	25.00

tblTripsAndVMT	VendorTripNumber	0.00	125.00
tblTripsAndVMT	VendorTripNumber	112.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	100.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	18.00	30.00
tblTripsAndVMT	WorkerTripNumber	20.00	75.00
tblTripsAndVMT	WorkerTripNumber	227.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	35.00
tblTripsAndVMT	WorkerTripNumber	45.00	450.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblWater	IndoorWaterUseRate	5,284,062.50	0.00
tblWater	IndoorWaterUseRate	74,885,530.01	0.00
tblWater	OutdoorWaterUseRate	14,263,910.48	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.6560	7.7177	4.3112	0.0116	1.0579	0.3083	1.3661	0.5174	0.2855	0.8028	0.0000	1,055.3404	1,055.3404	0.2058	0.0000	1,060.4854
2021	1.7948	6.9927	4.8657	0.0193	0.7495	0.1704	0.9198	0.2302	0.1591	0.3893	0.0000	1,805.4865	1,805.4865	0.1869	0.0000	1,810.1598
2022	1.9372	3.1536	2.1487	0.0131	0.5940	0.0217	0.6156	0.1597	0.0210	0.1807	0.0000	1,243.9729	1,243.9729	0.0609	0.0000	1,245.4960
Maximum	**1.9372**	**7.7177**	**4.8657**	**0.0193**	**1.0579**	**0.3083**	**1.3661**	**0.5174**	**0.2855**	**0.8028**	**0.0000**	**1,805.4865**	**1,805.4865**	**0.2058**	**0.0000**	**1,810.1598**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.6560	7.7177	4.3112	0.0116	1.0579	0.3083	1.3661	0.5174	0.2855	0.8028	0.0000	1,055.3397	1,055.3397	0.2058	0.0000	1,060.4847
2021	1.7948	6.9927	4.8657	0.0193	0.7495	0.1704	0.9198	0.2302	0.1591	0.3893	0.0000	1,805.4860	1,805.4860	0.1869	0.0000	1,810.1593
2022	1.9372	3.1536	2.1487	0.0131	0.5940	0.0217	0.6156	0.1597	0.0210	0.1807	0.0000	1,243.9729	1,243.9729	0.0609	0.0000	1,245.4959
Maximum	**1.9372**	**7.7177**	**4.8657**	**0.0193**	**1.0579**	**0.3083**	**1.3661**	**0.5174**	**0.2855**	**0.8028**	**0.0000**	**1,805.4860**	**1,805.4860**	**0.2058**	**0.0000**	**1,810.1593**

Phase 1 Construction - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**5-1-2020**	**7-31-2020**	1.8748	1.8748
2	**8-1-2020**	**10-31-2020**	3.2695	3.2695
3	**11-1-2020**	**1-31-2021**	4.4478	4.4478
4	**2-1-2021**	**4-30-2021**	1.6709	1.6709
5	**5-1-2021**	**7-31-2021**	2.7114	2.7114
6	**8-1-2021**	**10-31-2021**	2.1123	2.1123
7	**11-1-2021**	**1-31-2022**	1.4733	1.4733
8	**2-1-2022**	**4-30-2022**	1.3596	1.3596
9	**5-1-2022**	**7-31-2022**	1.3851	1.3851
10	**8-1-2022**	**9-30-2022**	0.9184	0.9184
		Highest	4.4478	4.4478

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.4252	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0235	0.0235	6.0000e-005	0.0000	0.0250
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.4252**	**1.1000e-004**	**0.0121**	**0.0000**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0235**	**0.0235**	**6.0000e-005**	**0.0000**	**0.0250**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.4252	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0235	0.0235	6.0000e-005	0.0000	0.0250
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.4252**	**1.1000e-004**	**0.0121**	**0.0000**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0235**	**0.0235**	**6.0000e-005**	**0.0000**	**0.0250**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase 1 Construction - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2020	12/31/2020	5	175	
2	Excavation	Site Preparation	7/1/2020	10/15/2020	5	77	
3	Foundation	Grading	10/16/2020	2/26/2021	5	96	
4	Structural Framing	Building Construction	12/1/2020	6/30/2021	5	152	
5	Exterior Enclosure	Paving	5/1/2021	10/29/2021	5	130	
6	Hospital Interior	Architectural Coating	5/1/2021	11/30/2022	5	413	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.15

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 929,460; Non-Residential Outdoor: 309,820; Striped Parking Area: 3,806 (Architectural Coating – sqft)

OffRoad Equipment

Phase 1 Construction - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Excavation	Rubber Tired Dozers	3	8.00	247	0.40
Excavation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Foundation	Excavators	2	8.00	158	0.38
Foundation	Graders	1	8.00	187	0.41
Foundation	Rubber Tired Dozers	1	8.00	247	0.40
Foundation	Scrapers	2	8.00	367	0.48
Foundation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Structural Framing	Cranes	1	7.00	231	0.29
Structural Framing	Forklifts	3	8.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structural Framing	Welders	1	8.00	46	0.45
Exterior Enclosure	Pavers	2	8.00	130	0.42
Exterior Enclosure	Paving Equipment	2	8.00	132	0.36
Exterior Enclosure	Rollers	2	8.00	80	0.38
Hospital Interior	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase 1 Construction - Sacramento County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Excavation	7	30.00	25.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	8	75.00	125.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	9	50.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosure	6	35.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Hospital Interior	1	450.00	100.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0191	0.0000	0.0191	2.8900e-003	0.0000	2.8900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2898	2.9051	1.9034	3.4000e-003		0.1451	0.1451		0.1349	0.1349	0.0000	297.4878	297.4878	0.0840	0.0000	299.5873
Total	**0.2898**	**2.9051**	**1.9034**	**3.4000e-003**	**0.0191**	**0.1451**	**0.1642**	**2.8900e-003**	**0.1349**	**0.1378**	**0.0000**	**297.4878**	**297.4878**	**0.0840**	**0.0000**	**299.5873**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3800e-003	0.2011	0.0455	5.5000e-004	0.0118	7.2000e-004	0.0125	3.2400e-003	6.9000e-004	3.9300e-003	0.0000	53.5587	53.5587	3.1100e-003	0.0000	53.6366
Worker	6.5100e-003	4.4200e-003	0.0484	1.3000e-004	0.0129	9.0000e-005	0.0130	3.4200e-003	9.0000e-005	3.5000e-003	0.0000	11.3879	11.3879	3.2000e-004	0.0000	11.3959
Total	**0.0119**	**0.2055**	**0.0939**	**6.8000e-004**	**0.0247**	**8.1000e-004**	**0.0255**	**6.6600e-003**	**7.8000e-004**	**7.4300e-003**	**0.0000**	**64.9466**	**64.9466**	**3.4300e-003**	**0.0000**	**65.0325**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0191	0.0000	0.0191	2.8900e-003	0.0000	2.8900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2898	2.9051	1.9034	3.4000e-003		0.1451	0.1451		0.1349	0.1349	0.0000	297.4875	297.4875	0.0840	0.0000	299.5869
Total	**0.2898**	**2.9051**	**1.9034**	**3.4000e-003**	**0.0191**	**0.1451**	**0.1642**	**2.8900e-003**	**0.1349**	**0.1378**	**0.0000**	**297.4875**	**297.4875**	**0.0840**	**0.0000**	**299.5869**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3800e-003	0.2011	0.0455	5.5000e-004	0.0118	7.2000e-004	0.0125	3.2400e-003	6.9000e-004	3.9300e-003	0.0000	53.5587	53.5587	3.1100e-003	0.0000	53.6366
Worker	6.5100e-003	4.4200e-003	0.0484	1.3000e-004	0.0129	9.0000e-005	0.0130	3.4200e-003	9.0000e-005	3.5000e-003	0.0000	11.3879	11.3879	3.2000e-004	0.0000	11.3959
Total	**0.0119**	**0.2055**	**0.0939**	**6.8000e-004**	**0.0247**	**8.1000e-004**	**0.0255**	**6.6600e-003**	**7.8000e-004**	**7.4300e-003**	**0.0000**	**64.9466**	**64.9466**	**3.4300e-003**	**0.0000**	**65.0325**

3.3 Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7008	0.0000	0.7008	0.3831	0.0000	0.3831	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1569	1.6331	0.8283	1.4600e-003		0.0846	0.0846		0.0778	0.0778	0.0000	128.7081	128.7081	0.0416	0.0000	129.7488
Total	**0.1569**	**1.6331**	**0.8283**	**1.4600e-003**	**0.7008**	**0.0846**	**0.7854**	**0.3831**	**0.0778**	**0.4610**	**0.0000**	**128.7081**	**128.7081**	**0.0416**	**0.0000**	**129.7488**

3.3 Excavation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4000e-003	0.2766	0.0625	7.6000e-004	0.0162	9.9000e-004	0.0172	4.4600e-003	9.5000e-004	5.4100e-003	0.0000	73.6433	73.6433	4.2800e-003	0.0000	73.7503
Worker	4.3000e-003	2.9200e-003	0.0320	8.0000e-005	8.4800e-003	6.0000e-005	8.5400e-003	2.2600e-003	6.0000e-005	2.3100e-003	0.0000	7.5160	7.5160	2.1000e-004	0.0000	7.5213
Total	**0.0117**	**0.2795**	**0.0945**	**8.4000e-004**	**0.0247**	**1.0500e-003**	**0.0258**	**6.7200e-003**	**1.0100e-003**	**7.7200e-003**	**0.0000**	**81.1593**	**81.1593**	**4.4900e-003**	**0.0000**	**81.2716**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.7008	0.0000	0.7008	0.3831	0.0000	0.3831	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1569	1.6331	0.8283	1.4600e-003		0.0846	0.0846		0.0778	0.0778	0.0000	128.7080	128.7080	0.0416	0.0000	129.7486
Total	**0.1569**	**1.6331**	**0.8283**	**1.4600e-003**	**0.7008**	**0.0846**	**0.7854**	**0.3831**	**0.0778**	**0.4610**	**0.0000**	**128.7080**	**128.7080**	**0.0416**	**0.0000**	**129.7486**

3.3 Excavation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4000e-003	0.2766	0.0625	7.6000e-004	0.0162	9.9000e-004	0.0172	4.4600e-003	9.5000e-004	5.4100e-003	0.0000	73.6433	73.6433	4.2800e-003	0.0000	73.7503
Worker	4.3000e-003	2.9200e-003	0.0320	8.0000e-005	8.4800e-003	6.0000e-005	8.5400e-003	2.2600e-003	6.0000e-005	2.3100e-003	0.0000	7.5160	7.5160	2.1000e-004	0.0000	7.5213
Total	**0.0117**	**0.2795**	**0.0945**	**8.4000e-004**	**0.0247**	**1.0500e-003**	**0.0258**	**6.7200e-003**	**1.0100e-003**	**7.7200e-003**	**0.0000**	**81.1593**	**81.1593**	**4.4900e-003**	**0.0000**	**81.2716**

3.4 Foundation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2054	0.0000	0.2054	0.0953	0.0000	0.0953	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1224	1.3804	0.8789	1.7100e-003		0.0598	0.0598		0.0550	0.0550	0.0000	149.8318	149.8318	0.0485	0.0000	151.0433
Total	**0.1224**	**1.3804**	**0.8789**	**1.7100e-003**	**0.2054**	**0.0598**	**0.2652**	**0.0953**	**0.0550**	**0.1503**	**0.0000**	**149.8318**	**149.8318**	**0.0485**	**0.0000**	**151.0433**

3.4 Foundation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0264	0.9877	0.2232	2.7100e-003	0.0580	3.5300e-003	0.0615	0.0159	3.3800e-003	0.0193	0.0000	263.0117	263.0117	0.0153	0.0000	263.3939
Worker	7.6800e-003	5.2100e-003	0.0571	1.5000e-004	0.0152	1.1000e-004	0.0153	4.0300e-003	1.0000e-004	4.1300e-003	0.0000	13.4214	13.4214	3.8000e-004	0.0000	13.4309
Total	**0.0341**	**0.9929**	**0.2803**	**2.8600e-003**	**0.0732**	**3.6400e-003**	**0.0768**	**0.0200**	**3.4800e-003**	**0.0234**	**0.0000**	**276.4331**	**276.4331**	**0.0157**	**0.0000**	**276.8248**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2054	0.0000	0.2054	0.0953	0.0000	0.0953	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1224	1.3804	0.8789	1.7100e-003		0.0598	0.0598		0.0550	0.0550	0.0000	149.8316	149.8316	0.0485	0.0000	151.0431
Total	**0.1224**	**1.3804**	**0.8789**	**1.7100e-003**	**0.2054**	**0.0598**	**0.2652**	**0.0953**	**0.0550**	**0.1503**	**0.0000**	**149.8316**	**149.8316**	**0.0485**	**0.0000**	**151.0431**

3.4 Foundation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0264	0.9877	0.2232	2.7100e-003	0.0580	3.5300e-003	0.0615	0.0159	3.3800e-003	0.0193	0.0000	263.0117	263.0117	0.0153	0.0000	263.3939
Worker	7.6800e-003	5.2100e-003	0.0571	1.5000e-004	0.0152	1.1000e-004	0.0153	4.0300e-003	1.0000e-004	4.1300e-003	0.0000	13.4214	13.4214	3.8000e-004	0.0000	13.4309
Total	**0.0341**	**0.9929**	**0.2803**	**2.8600e-003**	**0.0732**	**3.6400e-003**	**0.0768**	**0.0200**	**3.4800e-003**	**0.0234**	**0.0000**	**276.4331**	**276.4331**	**0.0157**	**0.0000**	**276.8248**

3.4 Foundation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1632	0.0000	0.1632	0.0722	0.0000	0.0722	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0859	0.9512	0.6330	1.2700e-003		0.0407	0.0407		0.0374	0.0374	0.0000	111.7147	111.7147	0.0361	0.0000	112.6180
Total	**0.0859**	**0.9512**	**0.6330**	**1.2700e-003**	**0.1632**	**0.0407**	**0.2039**	**0.0722**	**0.0374**	**0.1096**	**0.0000**	**111.7147**	**111.7147**	**0.0361**	**0.0000**	**112.6180**

3.4 Foundation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0183	0.6762	0.1546	1.9900e-003	0.0432	2.3200e-003	0.0455	0.0119	2.2200e-003	0.0141	0.0000	193.7852	193.7852	0.0112	0.0000	194.0647
Worker	5.3200e-003	3.4800e-003	0.0389	1.1000e-004	0.0113	8.0000e-005	0.0114	3.0000e-003	7.0000e-005	3.0800e-003	0.0000	9.6644	9.6644	2.5000e-004	0.0000	9.6707
Total	**0.0236**	**0.6797**	**0.1935**	**2.1000e-003**	**0.0545**	**2.4000e-003**	**0.0569**	**0.0149**	**2.2900e-003**	**0.0172**	**0.0000**	**203.4496**	**203.4496**	**0.0114**	**0.0000**	**203.7355**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1632	0.0000	0.1632	0.0722	0.0000	0.0722	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0859	0.9512	0.6330	1.2700e-003		0.0407	0.0407		0.0374	0.0374	0.0000	111.7146	111.7146	0.0361	0.0000	112.6179
Total	**0.0859**	**0.9512**	**0.6330**	**1.2700e-003**	**0.1632**	**0.0407**	**0.2039**	**0.0722**	**0.0374**	**0.1096**	**0.0000**	**111.7146**	**111.7146**	**0.0361**	**0.0000**	**112.6179**

3.4 Foundation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0183	0.6762	0.1546	1.9900e-003	0.0432	2.3200e-003	0.0455	0.0119	2.2200e-003	0.0141	0.0000	193.7852	193.7852	0.0112	0.0000	194.0647
Worker	5.3200e-003	3.4800e-003	0.0389	1.1000e-004	0.0113	8.0000e-005	0.0114	3.0000e-003	7.0000e-005	3.0800e-003	0.0000	9.6644	9.6644	2.5000e-004	0.0000	9.6707
Total	**0.0236**	**0.6797**	**0.1935**	**2.1000e-003**	**0.0545**	**2.4000e-003**	**0.0569**	**0.0149**	**2.2900e-003**	**0.0172**	**0.0000**	**203.4496**	**203.4496**	**0.0114**	**0.0000**	**203.7355**

3.5 Structural Framing - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0244	0.2206	0.1938	3.1000e-004		0.0129	0.0129		0.0121	0.0121	0.0000	26.6352	26.6352	6.5000e-003	0.0000	26.7976
Total	**0.0244**	**0.2206**	**0.1938**	**3.1000e-004**		**0.0129**	**0.0129**		**0.0121**	**0.0121**	**0.0000**	**26.6352**	**26.6352**	**6.5000e-003**	**0.0000**	**26.7976**

3.5 Structural Framing - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6500e-003	0.0991	0.0224	2.7000e-004	5.8200e-003	3.5000e-004	6.1800e-003	1.6000e-003	3.4000e-004	1.9400e-003	0.0000	26.3968	26.3968	1.5300e-003	0.0000	26.4352
Worker	2.1400e-003	1.4500e-003	0.0159	4.0000e-005	4.2200e-003	3.0000e-005	4.2500e-003	1.1200e-003	3.0000e-005	1.1500e-003	0.0000	3.7417	3.7417	1.1000e-004	0.0000	3.7444
Total	**4.7900e-003**	**0.1006**	**0.0383**	**3.1000e-004**	**0.0100**	**3.8000e-004**	**0.0104**	**2.7200e-003**	**3.7000e-004**	**3.0900e-003**	**0.0000**	**30.1385**	**30.1385**	**1.6400e-003**	**0.0000**	**30.1796**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0244	0.2206	0.1938	3.1000e-004		0.0129	0.0129		0.0121	0.0121	0.0000	26.6351	26.6351	6.5000e-003	0.0000	26.7976
Total	**0.0244**	**0.2206**	**0.1938**	**3.1000e-004**		**0.0129**	**0.0129**		**0.0121**	**0.0121**	**0.0000**	**26.6351**	**26.6351**	**6.5000e-003**	**0.0000**	**26.7976**

3.5 Structural Framing - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.6500e-003	0.0991	0.0224	2.7000e-004	5.8200e-003	3.5000e-004	6.1800e-003	1.6000e-003	3.4000e-004	1.9400e-003	0.0000	26.3968	26.3968	1.5300e-003	0.0000	26.4352
Worker	2.1400e-003	1.4500e-003	0.0159	4.0000e-005	4.2200e-003	3.0000e-005	4.2500e-003	1.1200e-003	3.0000e-005	1.1500e-003	0.0000	3.7417	3.7417	1.1000e-004	0.0000	3.7444
Total	**4.7900e-003**	**0.1006**	**0.0383**	**3.1000e-004**	**0.0100**	**3.8000e-004**	**0.0104**	**2.7200e-003**	**3.7000e-004**	**3.0900e-003**	**0.0000**	**30.1385**	**30.1385**	**1.6400e-003**	**0.0000**	**30.1796**

3.5 Structural Framing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1226	1.1244	1.0691	1.7400e-003		0.0618	0.0618		0.0581	0.0581	0.0000	149.4060	149.4060	0.0361	0.0000	150.3072
Total	**0.1226**	**1.1244**	**1.0691**	**1.7400e-003**		**0.0618**	**0.0618**		**0.0581**	**0.0581**	**0.0000**	**149.4060**	**149.4060**	**0.0361**	**0.0000**	**150.3072**

3.5 Structural Framing - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0138	0.5106	0.1167	1.5000e-003	0.0326	1.7500e-003	0.0344	8.9600e-003	1.6700e-003	0.0106	0.0000	146.3315	146.3315	8.4400e-003	0.0000	146.5426
Worker	0.0112	7.3000e-003	0.0816	2.2000e-004	0.0237	1.7000e-004	0.0239	6.3000e-003	1.5000e-004	6.4500e-003	0.0000	20.2717	20.2717	5.3000e-004	0.0000	20.2850
Total	**0.0250**	**0.5179**	**0.1983**	**1.7200e-003**	**0.0563**	**1.9200e-003**	**0.0582**	**0.0153**	**1.8200e-003**	**0.0171**	**0.0000**	**166.6032**	**166.6032**	**8.9700e-003**	**0.0000**	**166.8275**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1226	1.1244	1.0691	1.7400e-003		0.0618	0.0618		0.0581	0.0581	0.0000	149.4059	149.4059	0.0361	0.0000	150.3070
Total	**0.1226**	**1.1244**	**1.0691**	**1.7400e-003**		**0.0618**	**0.0618**		**0.0581**	**0.0581**	**0.0000**	**149.4059**	**149.4059**	**0.0361**	**0.0000**	**150.3070**

3.5 Structural Framing - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0138	0.5106	0.1167	1.5000e-003	0.0326	1.7500e-003	0.0344	8.9600e-003	1.6700e-003	0.0106	0.0000	146.3315	146.3315	8.4400e-003	0.0000	146.5426
Worker	0.0112	7.3000e-003	0.0816	2.2000e-004	0.0237	1.7000e-004	0.0239	6.3000e-003	1.5000e-004	6.4500e-003	0.0000	20.2717	20.2717	5.3000e-004	0.0000	20.2850
Total	**0.0250**	**0.5179**	**0.1983**	**1.7200e-003**	**0.0563**	**1.9200e-003**	**0.0582**	**0.0153**	**1.8200e-003**	**0.0171**	**0.0000**	**166.6032**	**166.6032**	**8.9700e-003**	**0.0000**	**166.8275**

3.6 Exterior Enclosure - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0816	0.8397	0.9525	1.4800e-003		0.0441	0.0441		0.0405	0.0405	0.0000	130.1526	130.1526	0.0421	0.0000	131.2050
Paving	4.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0821**	**0.8397**	**0.9525**	**1.4800e-003**		**0.0441**	**0.0441**		**0.0405**	**0.0405**	**0.0000**	**130.1526**	**130.1526**	**0.0421**	**0.0000**	**131.2050**

3.6 Exterior Enclosure - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2600e-003	0.3430	0.0784	1.0100e-003	0.0219	1.1800e-003	0.0231	6.0200e-003	1.1200e-003	7.1400e-003	0.0000	98.3106	98.3106	5.6700e-003	0.0000	98.4524
Worker	7.8800e-003	5.1500e-003	0.0576	1.6000e-004	0.0167	1.2000e-004	0.0168	4.4400e-003	1.1000e-004	4.5500e-003	0.0000	14.3002	14.3002	3.8000e-004	0.0000	14.3096
Total	**0.0171**	**0.3482**	**0.1360**	**1.1700e-003**	**0.0386**	**1.3000e-003**	**0.0399**	**0.0105**	**1.2300e-003**	**0.0117**	**0.0000**	**112.6107**	**112.6107**	**6.0500e-003**	**0.0000**	**112.7619**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0816	0.8397	0.9525	1.4800e-003		0.0441	0.0441		0.0405	0.0405	0.0000	130.1525	130.1525	0.0421	0.0000	131.2048
Paving	4.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0821**	**0.8397**	**0.9525**	**1.4800e-003**		**0.0441**	**0.0441**		**0.0405**	**0.0405**	**0.0000**	**130.1525**	**130.1525**	**0.0421**	**0.0000**	**131.2048**

3.6 Exterior Enclosure - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.2600e-003	0.3430	0.0784	1.0100e-003	0.0219	1.1800e-003	0.0231	6.0200e-003	1.1200e-003	7.1400e-003	0.0000	98.3106	98.3106	5.6700e-003	0.0000	98.4524
Worker	7.8800e-003	5.1500e-003	0.0576	1.6000e-004	0.0167	1.2000e-004	0.0168	4.4400e-003	1.1000e-004	4.5500e-003	0.0000	14.3002	14.3002	3.8000e-004	0.0000	14.3096
Total	**0.0171**	**0.3482**	**0.1360**	**1.1700e-003**	**0.0386**	**1.3000e-003**	**0.0399**	**0.0105**	**1.2300e-003**	**0.0117**	**0.0000**	**112.6107**	**112.6107**	**6.0500e-003**	**0.0000**	**112.7619**

3.7 Hospital Interior - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0192	0.1336	0.1590	2.6000e-004		8.2300e-003	8.2300e-003		8.2300e-003	8.2300e-003	0.0000	22.3410	22.3410	1.5300e-003	0.0000	22.3793
Total	**1.2399**	**0.1336**	**0.1590**	**2.6000e-004**		**8.2300e-003**	**8.2300e-003**		**8.2300e-003**	**8.2300e-003**	**0.0000**	**22.3410**	**22.3410**	**1.5300e-003**	**0.0000**	**22.3793**

3.7 Hospital Interior - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0623	2.3089	0.5277	6.8000e-003	0.1476	7.9100e-003	0.1555	0.0405	7.5700e-003	0.0481	0.0000	661.7057	661.7057	0.0382	0.0000	662.6601
Worker	0.1364	0.0891	0.9966	2.7400e-003	0.2892	2.0200e-003	0.2912	0.0769	1.8600e-003	0.0788	0.0000	247.5030	247.5030	6.5000e-003	0.0000	247.6654
Total	**0.1987**	**2.3980**	**1.5243**	**9.5400e-003**	**0.4368**	**9.9300e-003**	**0.4467**	**0.1174**	**9.4300e-003**	**0.1269**	**0.0000**	**909.2087**	**909.2087**	**0.0447**	**0.0000**	**910.3255**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2207					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0192	0.1336	0.1590	2.6000e-004		8.2300e-003	8.2300e-003		8.2300e-003	8.2300e-003	0.0000	22.3409	22.3409	1.5300e-003	0.0000	22.3793
Total	**1.2399**	**0.1336**	**0.1590**	**2.6000e-004**		**8.2300e-003**	**8.2300e-003**		**8.2300e-003**	**8.2300e-003**	**0.0000**	**22.3409**	**22.3409**	**1.5300e-003**	**0.0000**	**22.3793**

3.7 Hospital Interior - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0623	2.3089	0.5277	6.8000e-003	0.1476	7.9100e-003	0.1555	0.0405	7.5700e-003	0.0481	0.0000	661.7057	661.7057	0.0382	0.0000	662.6601
Worker	0.1364	0.0891	0.9966	2.7400e-003	0.2892	2.0200e-003	0.2912	0.0769	1.8600e-003	0.0788	0.0000	247.5030	247.5030	6.5000e-003	0.0000	247.6654
Total	**0.1987**	**2.3980**	**1.5243**	**9.5400e-003**	**0.4368**	**9.9300e-003**	**0.4467**	**0.1174**	**9.4300e-003**	**0.1269**	**0.0000**	**909.2087**	**909.2087**	**0.0447**	**0.0000**	**910.3255**

3.7 Hospital Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.1676	0.2158	3.5000e-004		9.7200e-003	9.7200e-003		9.7200e-003	9.7200e-003	0.0000	30.3837	30.3837	1.9800e-003	0.0000	30.4332
Total	**1.6845**	**0.1676**	**0.2158**	**3.5000e-004**		**9.7200e-003**	**9.7200e-003**		**9.7200e-003**	**9.7200e-003**	**0.0000**	**30.3837**	**30.3837**	**1.9800e-003**	**0.0000**	**30.4332**

3.7 Hospital Interior - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0795	2.8771	0.6874	9.1300e-003	0.2007	9.2500e-003	0.2099	0.0551	8.8500e-003	0.0639	0.0000	889.0418	889.0418	0.0510	0.0000	890.3169
Worker	0.1733	0.1090	1.2455	3.5900e-003	0.3933	2.6800e-003	0.3960	0.1046	2.4700e-003	0.1071	0.0000	324.5474	324.5474	7.9400e-003	0.0000	324.7459
Total	**0.2527**	**2.9860**	**1.9329**	**0.0127**	**0.5940**	**0.0119**	**0.6059**	**0.1597**	**0.0113**	**0.1710**	**0.0000**	**1,213.5892**	**1,213.5892**	**0.0589**	**0.0000**	**1,215.0628**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6602					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.1676	0.2158	3.5000e-004		9.7200e-003	9.7200e-003		9.7200e-003	9.7200e-003	0.0000	30.3837	30.3837	1.9800e-003	0.0000	30.4331
Total	**1.6845**	**0.1676**	**0.2158**	**3.5000e-004**		**9.7200e-003**	**9.7200e-003**		**9.7200e-003**	**9.7200e-003**	**0.0000**	**30.3837**	**30.3837**	**1.9800e-003**	**0.0000**	**30.4331**

3.7 Hospital Interior - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0795	2.8771	0.6874	9.1300e-003	0.2007	9.2500e-003	0.2099	0.0551	8.8500e-003	0.0639	0.0000	889.0418	889.0418	0.0510	0.0000	890.3169
Worker	0.1733	0.1090	1.2455	3.5900e-003	0.3933	2.6800e-003	0.3960	0.1046	2.4700e-003	0.1071	0.0000	324.5474	324.5474	7.9400e-003	0.0000	324.7459
Total	**0.2527**	**2.9860**	**1.9329**	**0.0127**	**0.5940**	**0.0119**	**0.6059**	**0.1597**	**0.0113**	**0.1710**	**0.0000**	**1,213.5892**	**1,213.5892**	**0.0589**	**0.0000**	**1,215.0628**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865
General Light Industry	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865
Hospital	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865
Parking Lot	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.4252	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0235	0.0235	6.0000e-005	0.0000	0.0250
Unmitigated	2.4252	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0235	0.0235	6.0000e-005	0.0000	0.0250

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4241					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0235	0.0235	6.0000e-005	0.0000	0.0250
Total	**2.4252**	**1.1000e-004**	**0.0121**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0235**	**0.0235**	**6.0000e-005**	**0.0000**	**0.0250**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.4241					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1200e-003	1.1000e-004	0.0121	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.0235	0.0235	6.0000e-005	0.0000	0.0250
Total	**2.4252**	**1.1000e-004**	**0.0121**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**0.0235**	**0.0235**	**6.0000e-005**	**0.0000**	**0.0250**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 1 Construction

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	596.79	1000sqft	13.70	596,790.00	0
General Light Industry	22.85	1000sqft	0.52	22,850.00	0
Enclosed Parking with Elevator	230.00	Space	2.07	33,290.00	0
Enclosed Parking with Elevator	80.00	Space	0.72	14,650.00	0
Parking Lot	15.50	1000sqft	0.36	15,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 1 Construction - Sacramento County, Summer

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Demolition -

Grading - 50,942 CY exported under excavation phase

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	309820	0
tblAreaCoating	Area_Nonresidential_Interior	929460	0
tblAreaCoating	Area_Parking	3806	0
tblConstructionPhase	NumDays	20.00	413.00
tblConstructionPhase	NumDays	300.00	152.00
tblConstructionPhase	NumDays	20.00	175.00
tblConstructionPhase	NumDays	30.00	96.00
tblConstructionPhase	NumDays	20.00	130.00
tblConstructionPhase	NumDays	10.00	77.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	4.57	0.00
tblEnergyUse	LightingElect	4.98	0.00

tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	7.20	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24NG	12.42	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24E	3.41	0.00
tblEnergyUse	T24E	9.18	0.00
tblEnergyUse	T24NG	23.39	0.00
tblEnergyUse	T24NG	57.91	0.00
tblGrading	AcresOfGrading	240.00	75.00
tblGrading	MaterialExported	0.00	50,942.00
tblLandUse	LandUseSquareFeet	92,000.00	33,290.00
tblLandUse	LandUseSquareFeet	32,000.00	14,650.00
tblSolidWaste	SolidWasteGenerationRate	28.33	0.00
tblSolidWaste	SolidWasteGenerationRate	6,445.33	0.00
tblTripsAndVMT	HaulingTripNumber	169.00	0.00
tblTripsAndVMT	HaulingTripNumber	5,625.00	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	25.00

tblTripsAndVMT	VendorTripNumber	0.00	125.00
tblTripsAndVMT	VendorTripNumber	112.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	100.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	18.00	30.00
tblTripsAndVMT	WorkerTripNumber	20.00	75.00
tblTripsAndVMT	WorkerTripNumber	227.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	35.00
tblTripsAndVMT	WorkerTripNumber	45.00	450.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblWater	IndoorWaterUseRate	5,284,062.50	0.00
tblWater	IndoorWaterUseRate	74,885,530.01	0.00
tblWater	OutdoorWaterUseRate	14,263,910.48	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	11.7455	148.1424	85.6185	0.2684	19.3757	5.1226	23.2679	10.2424	4.7574	13.8404	0.0000	27,294.0017	27,294.0017	4.4406	0.0000	27,405.0173
2021	20.5332	103.6438	60.2935	0.2199	10.4973	3.0885	13.5858	4.3896	2.8659	7.2555	0.0000	22,524.0573	22,524.0573	3.3160	0.0000	22,606.9558
2022	16.4985	25.6565	19.8361	0.1136	5.1620	0.1807	5.3427	1.3838	0.1757	1.5595	0.0000	11,896.6347	11,896.6347	0.5645	0.0000	11,910.7472
Maximum	**20.5332**	**148.1424**	**85.6185**	**0.2684**	**19.3757**	**5.1226**	**23.2679**	**10.2424**	**4.7574**	**13.8404**	**0.0000**	**27,294.0017**	**27,294.0017**	**4.4406**	**0.0000**	**27,405.0173**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	11.7455	148.1424	85.6185	0.2684	19.3757	5.1226	23.2679	10.2424	4.7574	13.8404	0.0000	27,294.0017	27,294.0017	4.4406	0.0000	27,405.0173
2021	20.5332	103.6438	60.2935	0.2199	10.4973	3.0885	13.5858	4.3896	2.8659	7.2555	0.0000	22,524.0573	22,524.0573	3.3160	0.0000	22,606.9558
2022	16.4985	25.6565	19.8361	0.1136	5.1620	0.1807	5.3427	1.3838	0.1757	1.5595	0.0000	11,896.6347	11,896.6347	0.5645	0.0000	11,910.7472
Maximum	**20.5332**	**148.1424**	**85.6185**	**0.2684**	**19.3757**	**5.1226**	**23.2679**	**10.2424**	**4.7574**	**13.8404**	**0.0000**	**27,294.0017**	**27,294.0017**	**4.4406**	**0.0000**	**27,405.0173**

Phase 1 Construction - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.2918	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**13.2918**	**8.8000e-004**	**0.0967**	**1.0000e-005**	**0.0000**	**3.5000e-004**	**3.5000e-004**	**0.0000**	**3.5000e-004**	**3.5000e-004**		**0.2069**	**0.2069**	**5.5000e-004**	**0.0000**	**0.2205**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	13.2918	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**13.2918**	**8.8000e-004**	**0.0967**	**1.0000e-005**	**0.0000**	**3.5000e-004**	**3.5000e-004**	**0.0000**	**3.5000e-004**	**3.5000e-004**		**0.2069**	**0.2069**	**5.5000e-004**	**0.0000**	**0.2205**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	5/1/2020	12/31/2020	5	175	
2	Excavation	Site Preparation	7/1/2020	10/15/2020	5	77	
3	Foundation	Grading	10/16/2020	2/26/2021	5	96	
4	Structural Framing	Building Construction	12/1/2020	6/30/2021	5	152	
5	Exterior Enclosure	Paving	5/1/2021	10/29/2021	5	130	
6	Hospital Interior	Architectural Coating	5/1/2021	11/30/2022	5	413	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 3.15

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 929,460; Non-Residential Outdoor: 309,820; Striped Parking Area: 3,806 (Architectural Coating – sqft)

OffRoad Equipment

Phase 1 Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Excavation	Rubber Tired Dozers	3	8.00	247	0.40
Excavation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Foundation	Excavators	2	8.00	158	0.38
Foundation	Graders	1	8.00	187	0.41
Foundation	Rubber Tired Dozers	1	8.00	247	0.40
Foundation	Scrapers	2	8.00	367	0.48
Foundation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Structural Framing	Cranes	1	7.00	231	0.29
Structural Framing	Forklifts	3	8.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structural Framing	Welders	1	8.00	46	0.45
Exterior Enclosure	Pavers	2	8.00	130	0.42
Exterior Enclosure	Paving Equipment	2	8.00	132	0.36
Exterior Enclosure	Rollers	2	8.00	80	0.38
Hospital Interior	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase 1 Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Excavation	7	30.00	25.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	8	75.00	125.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	9	50.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosure	6	35.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Hospital Interior	1	450.00	100.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2182	0.0000	0.2182	0.0330	0.0000	0.0330			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.2182**	**1.6587**	**1.8769**	**0.0330**	**1.5419**	**1.5749**		**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0608	2.2197	0.5067	6.3400e-003	0.1392	8.1100e-003	0.1473	0.0381	7.7600e-003	0.0459		679.1055	679.1055	0.0385		680.0680
Worker	0.0862	0.0458	0.6530	1.5900e-003	0.1521	1.0600e-003	0.1532	0.0404	9.7000e-004	0.0413		158.7026	158.7026	4.5500e-003		158.8163
Total	**0.1470**	**2.2655**	**1.1597**	**7.9300e-003**	**0.2913**	**9.1700e-003**	**0.3005**	**0.0785**	**8.7300e-003**	**0.0872**		**837.8081**	**837.8081**	**0.0431**		**838.8843**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2182	0.0000	0.2182	0.0330	0.0000	0.0330			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	**3.3121**	**33.2010**	**21.7532**	**0.0388**	**0.2182**	**1.6587**	**1.8769**	**0.0330**	**1.5419**	**1.5749**	**0.0000**	**3,747.7049**	**3,747.7049**	**1.0580**		**3,774.1536**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0608	2.2197	0.5067	6.3400e-003	0.1392	8.1100e-003	0.1473	0.0381	7.7600e-003	0.0459		679.1055	679.1055	0.0385		680.0680
Worker	0.0862	0.0458	0.6530	1.5900e-003	0.1521	1.0600e-003	0.1532	0.0404	9.7000e-004	0.0413		158.7026	158.7026	4.5500e-003		158.8163
Total	**0.1470**	**2.2655**	**1.1597**	**7.9300e-003**	**0.2913**	**9.1700e-003**	**0.3005**	**0.0785**	**8.7300e-003**	**0.0872**		**837.8081**	**837.8081**	**0.0431**		**838.8843**

3.3 Excavation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2031	0.0000	18.2031	9.9514	0.0000	9.9514			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.2031**	**2.1974**	**20.4005**	**9.9514**	**2.0216**	**11.9730**		**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Excavation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1899	6.9365	1.5835	0.0198	0.4349	0.0254	0.4603	0.1190	0.0243	0.1433		2,122.2047	2,122.2047	0.1203		2,125.2125
Worker	0.1294	0.0687	0.9795	2.3900e-003	0.2282	1.5900e-003	0.2298	0.0605	1.4600e-003	0.0620		238.0539	238.0539	6.8200e-003		238.2244
Total	**0.3193**	**7.0052**	**2.5630**	**0.0222**	**0.6631**	**0.0269**	**0.6901**	**0.1796**	**0.0257**	**0.2053**		**2,360.2586**	**2,360.2586**	**0.1271**		**2,363.4369**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2031	0.0000	18.2031	9.9514	0.0000	9.9514			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	**4.0765**	**42.4173**	**21.5136**	**0.0380**	**18.2031**	**2.1974**	**20.4005**	**9.9514**	**2.0216**	**11.9730**	**0.0000**	**3,685.1016**	**3,685.1016**	**1.1918**		**3,714.8975**

3.3 Excavation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1899	6.9365	1.5835	0.0198	0.4349	0.0254	0.4603	0.1190	0.0243	0.1433		2,122.2047	2,122.2047	0.1203		2,125.2125
Worker	0.1294	0.0687	0.9795	2.3900e-003	0.2282	1.5900e-003	0.2298	0.0605	1.4600e-003	0.0620		238.0539	238.0539	6.8200e-003		238.2244
Total	**0.3193**	**7.0052**	**2.5630**	**0.0222**	**0.6631**	**0.0269**	**0.6901**	**0.1796**	**0.0257**	**0.2053**		**2,360.2586**	**2,360.2586**	**0.1271**		**2,363.4369**

3.4 Foundation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8506	0.0000	6.8506	3.3997	0.0000	3.3997			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.8506**	**2.1739**	**9.0245**	**3.3997**	**2.0000**	**5.3997**		**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.4 Foundation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9496	34.6826	7.9174	0.0991	2.1746	0.1268	2.3014	0.5952	0.1213	0.7164		10,611.0235	10,611.0235	0.6016		10,626.0626
Worker	0.3234	0.1716	2.4488	5.9800e-003	0.5705	3.9700e-003	0.5745	0.1513	3.6600e-003	0.1550		595.1347	595.1347	0.0171		595.5610
Total	**1.2730**	**34.8542**	**10.3661**	**0.1050**	**2.7452**	**0.1307**	**2.8759**	**0.7465**	**0.1249**	**0.8714**		**11,206.1582**	**11,206.1582**	**0.6186**		**11,221.6236**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8506	0.0000	6.8506	3.3997	0.0000	3.3997			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	**4.4501**	**50.1975**	**31.9583**	**0.0620**	**6.8506**	**2.1739**	**9.0245**	**3.3997**	**2.0000**	**5.3997**	**0.0000**	**6,005.8653**	**6,005.8653**	**1.9424**		**6,054.4257**

3.4 Foundation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9496	34.6826	7.9174	0.0991	2.1746	0.1268	2.3014	0.5952	0.1213	0.7164		10,611.0235	10,611.0235	0.6016		10,626.0626
Worker	0.3234	0.1716	2.4488	5.9800e-003	0.5705	3.9700e-003	0.5745	0.1513	3.6600e-003	0.1550		595.1347	595.1347	0.0171		595.5610
Total	**1.2730**	**34.8542**	**10.3661**	**0.1050**	**2.7452**	**0.1307**	**2.8759**	**0.7465**	**0.1249**	**0.8714**		**11,206.1582**	**11,206.1582**	**0.6186**		**11,221.6236**

3.4 Foundation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8506	0.0000	6.8506	3.3997	0.0000	3.3997			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.8506**	**1.9853**	**8.8359**	**3.3997**	**1.8265**	**5.2262**		**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Foundation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8796	31.8995	7.3391	0.0978	2.1741	0.1114	2.2855	0.5949	0.1066	0.7015		10,488.3477	10,488.3477	0.5900		10,503.0984
Worker	0.3006	0.1539	2.2437	5.7700e-003	0.5705	3.8500e-003	0.5744	0.1513	3.5500e-003	0.1549		574.8593	574.8593	0.0153		575.2417
Total	**1.1801**	**32.0534**	**9.5827**	**0.1036**	**2.7446**	**0.1153**	**2.8599**	**0.7463**	**0.1101**	**0.8564**		**11,063.2070**	**11,063.2070**	**0.6053**		**11,078.3401**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8506	0.0000	6.8506	3.3997	0.0000	3.3997			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	**4.1912**	**46.3998**	**30.8785**	**0.0620**	**6.8506**	**1.9853**	**8.8359**	**3.3997**	**1.8265**	**5.2262**	**0.0000**	**6,007.0434**	**6,007.0434**	**1.9428**		**6,055.6134**

3.4 Foundation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.8796	31.8995	7.3391	0.0978	2.1741	0.1114	2.2855	0.5949	0.1066	0.7015		10,488.3477	10,488.3477	0.5900		10,503.0984
Worker	0.3006	0.1539	2.2437	5.7700e-003	0.5705	3.8500e-003	0.5744	0.1513	3.5500e-003	0.1549		574.8593	574.8593	0.0153		575.2417
Total	**1.1801**	**32.0534**	**9.5827**	**0.1036**	**2.7446**	**0.1153**	**2.8599**	**0.7463**	**0.1101**	**0.8564**		**11,063.2070**	**11,063.2070**	**0.6053**		**11,078.3401**

3.5 Structural Framing - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**		**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Structural Framing - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2279	8.3238	1.9002	0.0238	0.5219	0.0304	0.5523	0.1428	0.0291	0.1719		2,546.6456	2,546.6456	0.1444		2,550.2550
Worker	0.2156	0.1144	1.6325	3.9900e-003	0.3804	2.6400e-003	0.3830	0.1009	2.4400e-003	0.1033		396.7565	396.7565	0.0114		397.0407
Total	**0.4435**	**8.4382**	**3.5327**	**0.0278**	**0.9023**	**0.0331**	**0.9353**	**0.2437**	**0.0316**	**0.2753**		**2,943.4021**	**2,943.4021**	**0.1558**		**2,947.2957**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	**2.1198**	**19.1860**	**16.8485**	**0.0269**		**1.1171**	**1.1171**		**1.0503**	**1.0503**	**0.0000**	**2,553.0631**	**2,553.0631**	**0.6229**		**2,568.6345**

3.5 Structural Framing - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2279	8.3238	1.9002	0.0238	0.5219	0.0304	0.5523	0.1428	0.0291	0.1719		2,546.6456	2,546.6456	0.1444		2,550.2550
Worker	0.2156	0.1144	1.6325	3.9900e-003	0.3804	2.6400e-003	0.3830	0.1009	2.4400e-003	0.1033		396.7565	396.7565	0.0114		397.0407
Total	**0.4435**	**8.4382**	**3.5327**	**0.0278**	**0.9023**	**0.0331**	**0.9353**	**0.2437**	**0.0316**	**0.2753**		**2,943.4021**	**2,943.4021**	**0.1558**		**2,947.2957**

3.5 Structural Framing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**		**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Structural Framing - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2111	7.6559	1.7614	0.0235	0.5218	0.0267	0.5485	0.1428	0.0256	0.1684		2,517.2035	2,517.2035	0.1416		2,520.7436
Worker	0.2004	0.1026	1.4958	3.8500e-003	0.3804	2.5700e-003	0.3829	0.1009	2.3700e-003	0.1033		383.2395	383.2395	0.0102		383.4945
Total	**0.4115**	**7.7585**	**3.2572**	**0.0273**	**0.9021**	**0.0293**	**0.9314**	**0.2437**	**0.0280**	**0.2716**		**2,900.4430**	**2,900.4430**	**0.1518**		**2,904.2381**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	**1.9009**	**17.4321**	**16.5752**	**0.0269**		**0.9586**	**0.9586**		**0.9013**	**0.9013**	**0.0000**	**2,553.3639**	**2,553.3639**	**0.6160**		**2,568.7643**

3.5 Structural Framing - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2111	7.6559	1.7614	0.0235	0.5218	0.0267	0.5485	0.1428	0.0256	0.1684		2,517.2035	2,517.2035	0.1416		2,520.7436
Worker	0.2004	0.1026	1.4958	3.8500e-003	0.3804	2.5700e-003	0.3829	0.1009	2.3700e-003	0.1033		383.2395	383.2395	0.0102		383.4945
Total	**0.4115**	**7.7585**	**3.2572**	**0.0273**	**0.9021**	**0.0293**	**0.9314**	**0.2437**	**0.0280**	**0.2716**		**2,900.4430**	**2,900.4430**	**0.1518**		**2,904.2381**

3.6 Exterior Enclosure - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	7.2600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2628**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**		**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Exterior Enclosure - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1407	5.1039	1.1743	0.0157	0.3479	0.0178	0.3657	0.0952	0.0171	0.1122		1,678.1356	1,678.1356	0.0944		1,680.4957
Worker	0.1403	0.0718	1.0470	2.6900e-003	0.2662	1.8000e-003	0.2680	0.0706	1.6600e-003	0.0723		268.2677	268.2677	7.1400e-003		268.4461
Total	**0.2810**	**5.1757**	**2.2213**	**0.0183**	**0.6141**	**0.0196**	**0.6337**	**0.1658**	**0.0187**	**0.1845**		**1,946.4033**	**1,946.4033**	**0.1015**		**1,948.9419**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	7.2600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2628**	**12.9191**	**14.6532**	**0.0228**		**0.6777**	**0.6777**		**0.6235**	**0.6235**	**0.0000**	**2,207.2109**	**2,207.2109**	**0.7139**		**2,225.0573**

3.6 Exterior Enclosure - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1407	5.1039	1.1743	0.0157	0.3479	0.0178	0.3657	0.0952	0.0171	0.1122		1,678.1356	1,678.1356	0.0944		1,680.4957
Worker	0.1403	0.0718	1.0470	2.6900e-003	0.2662	1.8000e-003	0.2680	0.0706	1.6600e-003	0.0723		268.2677	268.2677	7.1400e-003		268.4461
Total	**0.2810**	**5.1757**	**2.2213**	**0.0183**	**0.6141**	**0.0196**	**0.6337**	**0.1658**	**0.0187**	**0.1845**		**1,946.4033**	**1,946.4033**	**0.1015**		**1,948.9419**

3.7 Hospital Interior - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.9509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	**14.1698**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**		**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Hospital Interior - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.7036	25.5196	5.8713	0.0783	1.7393	0.0891	1.8284	0.4759	0.0853	0.5612		8,390.6782	8,390.6782	0.4720		8,402.4787
Worker	1.8036	0.9232	13.4619	0.0346	3.4232	0.0231	3.4463	0.9080	0.0213	0.9293		3,449.1557	3,449.1557	0.0918		3,451.4502
Total	**2.5072**	**26.4429**	**19.3332**	**0.1129**	**5.1624**	**0.1122**	**5.2746**	**1.3840**	**0.1066**	**1.4905**		**11,839.8338**	**11,839.8338**	**0.5638**		**11,853.9289**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.9509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	**14.1698**	**1.5268**	**1.8176**	**2.9700e-003**		**0.0941**	**0.0941**		**0.0941**	**0.0941**	**0.0000**	**281.4481**	**281.4481**	**0.0193**		**281.9309**

3.7 Hospital Interior - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.7036	25.5196	5.8713	0.0783	1.7393	0.0891	1.8284	0.4759	0.0853	0.5612		8,390.6782	8,390.6782	0.4720		8,402.4787
Worker	1.8036	0.9232	13.4619	0.0346	3.4232	0.0231	3.4463	0.9080	0.0213	0.9293		3,449.1557	3,449.1557	0.0918		3,451.4502
Total	**2.5072**	**26.4429**	**19.3332**	**0.1129**	**5.1624**	**0.1122**	**5.2746**	**1.3840**	**0.1066**	**1.4905**		**11,839.8338**	**11,839.8338**	**0.5638**		**11,853.9289**

3.7 Hospital Interior - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.9509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**14.1554**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Hospital Interior - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6596	23.4177	5.6250	0.0773	1.7388	0.0765	1.8153	0.4758	0.0732	0.5490		8,289.7261	8,289.7261	0.4637		8,301.3180
Worker	1.6835	0.8304	12.3975	0.0334	3.4232	0.0225	3.4457	0.9080	0.0207	0.9288		3,325.4606	3,325.4606	0.0825		3,327.5230
Total	**2.3431**	**24.2480**	**18.0225**	**0.1107**	**5.1620**	**0.0990**	**5.2610**	**1.3838**	**0.0939**	**1.4777**		**11,615.1867**	**11,615.1867**	**0.5462**		**11,628.8410**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.9509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**14.1554**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

3.7 Hospital Interior - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.6596	23.4177	5.6250	0.0773	1.7388	0.0765	1.8153	0.4758	0.0732	0.5490		8,289.7261	8,289.7261	0.4637		8,301.3180
Worker	1.6835	0.8304	12.3975	0.0334	3.4232	0.0225	3.4457	0.9080	0.0207	0.9288		3,325.4606	3,325.4606	0.0825		3,327.5230
Total	**2.3431**	**24.2480**	**18.0225**	**0.1107**	**5.1620**	**0.0990**	**5.2610**	**1.3838**	**0.0939**	**1.4777**		**11,615.1867**	**11,615.1867**	**0.5462**		**11,628.8410**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865
General Light Industry	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865
Hospital	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865
Parking Lot	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.2918	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Unmitigated	13.2918	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.2828					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9900e-003	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Total	**13.2918**	**8.8000e-004**	**0.0967**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**		**0.2069**	**0.2069**	**5.5000e-004**		**0.2205**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	13.2828					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	8.9900e-003	8.8000e-004	0.0967	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004		0.2069	0.2069	5.5000e-004		0.2205
Total	**13.2918**	**8.8000e-004**	**0.0967**	**1.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**		**0.2069**	**0.2069**	**5.5000e-004**		**0.2205**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Road Construction Emissions Model, Version 9.0.0

Daily Emission Estimates for -> CNU Offsite Improvements

Project Phases (Pounds)	ROG (lbs/day)	CO (lbs/day)	NOx (lbs/day)	Total PM10 (lbs/day)	Exhaust PM10 (lbs/day)	Fugitive Dust PM10 (lbs/day)	Total PM2.5 (lbs/day)	Exhaust PM2.5 (lbs/day)	Fugitive Dust PM2.5 (lbs/day)	SOx (lbs/day)	CO2 (lbs/day)	CH4 (lbs/day)	N2O (lbs/day)	CO2e (lbs/day)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade	1.92	16.41	17.11	10.81	0.81	10.00	2.82	0.74	2.08	0.03	2,858.10	0.77	0.03	2,886.21
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (pounds/day)	1.92	16.41	17.11	10.81	0.81	10.00	2.82	0.74	2.08	0.03	2,858.10	0.77	0.03	2,886.21
Total (tons/construction project)	0.25	2.17	2.26	1.43	0.11	1.32	0.37	0.10	0.27	0.00	377.27	0.10	0.00	380.98

Notes:

Project Start Year ->	2020
Project Length (months) ->	12
Total Project Area (acres) ->	12
Maximum Area Disturbed/Day (acres) ->	1
Water Truck Used? ->	No

	Total Material Imported/Exported Volume (yd^3/day)		Daily VMT (miles/day)			
Phase	Soil	Asphalt	Soil Hauling	Asphalt Hauling	Worker Commute	Water Truck
Grubbing/Land Clearing	0	0	0	0	0	0
Grading/Excavation	0	0	0	0	0	0
Drainage/Utilities/Sub-Grade	0	0	0	0	200	0
Paving	0	0	0	0	0	0

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

Total Emission Estimates by Phase for -> CNU Offsite Improvements

Project Phases (Tons for all except CO2e. Metric tonnes for CO2e)	ROG (tons/phase)	CO (tons/phase)	NOx (tons/phase)	Total PM10 (tons/phase)	Exhaust PM10 (tons/phase)	Fugitive Dust PM10 (tons/phase)	Total PM2.5 (tons/phase)	Exhaust PM2.5 (tons/phase)	Fugitive Dust PM2.5 (tons/phase)	SOx (tons/phase)	CO2 (tons/phase)	CH4 (tons/phase)	N2O (tons/phase)	CO2e (MT/phase)
Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Drainage/Utilities/Sub-Grade	0.25	2.17	2.26	1.43	0.11	1.32	0.37	0.10	0.27	0.00	377.27	0.10	0.00	345.62
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Maximum (tons/phase)	0.25	2.17	2.26	1.43	0.11	1.32	0.37	0.10	0.27	0.00	377.27	0.10	0.00	345.62
Total (tons/construction project)	0.25	2.17	2.26	1.43	0.11	1.32	0.37	0.10	0.27	0.00	377.27	0.10	0.00	345.62

PM10 and PM2.5 estimates assume 50% control of fugitive dust from watering and associated dust control measures if a minimum number of water trucks are specified.

Total PM10 emissions shown in column F are the sum of exhaust and fugitive dust emissions shown in columns G and H. Total PM2.5 emissions shown in Column I are the sum of exhaust and fugitive dust emissions shown in columns J and K.

CO2e emissions are estimated by multiplying mass emissions for each GHG by its global warming potential (GWP), 1 , 25 and 298 for CO2, CH4 and N2O, respectively. Total CO2e is then estimated by summing CO2e estimates over all GHGs.

The CO2e emissions are reported as metric tons per phase.

Road Construction Emissions Model **Version 9.0.0**
Data Entry Worksheet

Note: Required data input sections have a yellow background.
Optional data input sections have a blue background. Only areas with a
yellow or blue background can be modified. Program defaults have a white background.
The user is required to enter information in cells D10 through D24, E28 through G35, and D38 through D41 for all project types.
Please use "Clear Data Input & User Overrides" button first before changing the Project Type or begin a new project.

To begin a new project, click this button to clear data previously entered. This button will only work if you opted not to disable macros when loading this spreadsheet.

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

	Months
Grubbing/Land Clearing	0.00
Grading/Excavation	0.00
Drainage/Utilities/Sub-Grade	12.00
Paving	0.00

Input Type

Project Name	CNU Offsite Improvements	
Construction Start Year	2020	Enter a Year between 2014 and 2040 (inclusive)
Project Type For 4: Other Linear Project Type, please provide project specific off-road equipment population and vehicle trip data	4	1) New Road Construction : Project to build a roadway from bare ground, which generally requires more site preparation than widening an existing roadway 2) Road Widening : Project to add a new lane to an existing roadway 3) Bridge/Overpass Construction : Project to build an elevated roadway, which generally requires some different equipment than a new roadway, such as a crane 4) Other Linear Project Type: Non-roadway project such as a pipeline, transmission line, or levee construction
Project Construction Time	12.00	months
Working Days per Month	22.00	days (assume 22 if unknown)
Predominant Soil/Site Type: Enter 1, 2, or 3 (for project within "Sacramento County", follow soil type selection instructions in cells E18 to E20 otherwise see instructions provided in cells J18 to J22)	1	1) Sand Gravel : Use for quaternary deposits (Delta/West County) 2) Weathered Rock-Earth : Use for Laguna formation (Jackson Highway area) or the lone formation (Scott Road, Rancho Murieta) 3) Blasted Rock : Use for Salt Springs Slate or Copper Hill Volcanics (Folsom South of Highway 50, Rancho Murieta)
Project Length	2.75	miles
Total Project Area	11.90	acres
Maximum Area Disturbed/Day	0.50	acres
Water Trucks Used?	2	1. Yes 2. No

Please note that the soil type instructions provided in cells E18 to E20 are specific to Sacramento County. Maps available from the California Geologic Survey (see weblink below) can be used to determine soil type outside Sacramento County.

http://www.conservation.ca.gov/cgs/information/geologic_mapping/Pages/googlemaps.aspx#regionalseries

Material Hauling Quantity Input

Material Type	Phase	Haul Truck Capacity (yd^3) (assume 20 if unknown)	Import Volume (yd^3/day)	Export Volume (yd^3/day)
Soil	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			
Asphalt	Grubbing/Land Clearing			
	Grading/Excavation			
	Drainage/Utilities/Sub-Grade			
	Paving			

Mitigation Options

			EF source
On-road Fleet Emissions Mitigation		on-road	On_road_Mitigation_EF
Off-road Equipment Emissions Mitigation			

Select "2010 and Newer On-road Vehicles Fleet" option when the on-road heavy-duty truck fleet for the project will be limited to vehicles of model year 2010 or newer
Select "20% NOx and 45% Exhaust PM reduction" option if the project will be required to use a lower emitting off-road construction fleet. The SMAQMD Construction Mitigation Calculator can be used to confirm compliance with this mitigation measure (http://www.airquality.org/Businesses/CEQA-Land-Use-Planning/Mitigation).
Select "Tier 4 Equipment" option if some or all off-road equipment used for the project meets CARB Tier 4 Standard

The remaining sections of this sheet contain areas that require modification when 'Other Project Type' is selected.

Note: The program's estimates of construction period phase length can be overridden in cells D50 through D53, and F50 through F53.

Construction Periods	User Override of Construction Months	Program Calculated Months	User Override of Phase Starting Date	Program Default Phase Starting Date	Program Calculated Activity Fractions start date	end date
Grubbing/Land Clearing	0.00	1.20		1/1/2020	1/1/2020	12/31/2019
Grading/Excavation	0.00	4.80		1/1/2020	1/1/2020	12/31/2019
Drainage/Utilities/Sub-Grade	12.00	4.20		1/1/2020	1/1/2020	12/30/2020
Paving	0.00	1.80		12/31/2020	12/31/2020	12/30/2020
Totals (Months)	12					

Note: Soil Hauling emission default values can be overridden in cells D61 through D64, and F61 through F64.

Soil Hauling Emissions	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
User Input					
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/mile)	0.04	0.42	3.03	0.11	0.05	0.02	1,801.75	0.00	0.28	1,886.20
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hauling Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Asphalt Hauling emission default values can be overridden in cells D91 through D94, and F91 through F94.

Asphalt Hauling Emissions	User Override of Miles/Round Trip	Program Estimate of Miles/Round Trip	User Override of Truck Round Trips/Day	Default Values Round Trips/Day	Calculated Daily VMT
User Input					
Miles/round trip: Grubbing/Land Clearing				0	0.00
Miles/round trip: Grading/Excavation				0	0.00
Miles/round trip: Drainage/Utilities/Sub-Grade				0	0.00
Miles/round trip: Paving				0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/mile)	0.04	0.42	3.03	0.11	0.05	0.02	1,801.75	0.00	0.28	1,886.20
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Worker commute default values can be overridden in cells D121 through D126.

Worker Commute Emissions	User Override of Worker Commute Default Values	Default Values		
User Input				
Miles/ one-way trip	10		Calculated Daily Trips	Calculated Daily VMT
One-way trips/day	2			
No. of employees: Grubbing/Land Clearing			0	0.00
No. of employees: Grading/Excavation			0	0.00
No. of employees: Drainage/Utilities/Sub-Grade	10		20	200.00
No. of employees: Paving			0	0.00

Emission Rates	ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/mile)	0.02	1.22	0.11	0.05	0.02	0.00	350.90	0.01	0.01	353.67
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	1.25	3.05	0.37	0.00	0.00	0.00	75.08	0.09	0.04	88.34
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.07	0.67	0.07	0.02	0.01	0.00	158.03	0.01	0.01	159.84
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.01	0.09	0.01	0.00	0.00	0.00	20.86	0.00	0.00	21.10
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.01	0.09	0.01	0.00	0.00	0.00	20.86	0.00	0.00	21.10

Note: Water Truck default values can be overridden in cells D153 through D156, I153 through I156, and F153 through F156.

Water Truck Emissions	User Override of	Program Estimate of	User Override of Truck	Default Values	Calculated	User Override of	Default Values	Calculated
User Input	Default # Water Trucks	Number of Water Trucks	Round Trips/Vehicle/Day	Round Trips/Vehicle/Day	Trips/day	Miles/Round Trip	Miles/Round Trip	Daily VMT
Grubbing/Land Clearing - Exhaust								0.00
Grading/Excavation - Exhaust								0.00
Drainage/Utilities/Subgrade								0.00
Paving								0.00

Emission Rates	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Grubbing/Land Clearing (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/mile)	0.04	0.42	3.03	0.11	0.05	0.02	1,801.75	0.00	0.28	1,886.20
Paving (grams/mile)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grubbing/Land Clearing (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading/Excavation (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Draining/Utilities/Sub-Grade (grams/trip)	0.00	0.00	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving (grams/trip)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emissions	**ROG**	**CO**	**NOx**	**PM10**	**PM2.5**	**SOx**	**CO2**	**CH4**	**N2O**	**CO2e**
Pounds per day - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grubbing/Land Clearing	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Grading/Excavation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Drainage/Utilities/Sub-Grade	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pounds per day - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tons per const. Period - Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total tons per construction project	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: Fugitive dust default values can be overridden in cells D183 through D185.

Fugitive Dust	User Override of Max Acreage Disturbed/Day	Default Maximum Acreage/Day	PM10 pounds/day	PM10 tons/per period	PM2.5 pounds/day	PM2.5 tons/per period
Fugitive Dust - Grubbing/Land Clearing			0.00	0.00	0.00	0.00
Fugitive Dust - Grading/Excavation			0.00	0.00	0.00	0.00
Fugitive Dust - Drainage/Utilities/Subgrade			10.00	1.32	2.08	0.27

Values in cells D195 through D228, D246 through D279, D297 through D330, and D348 through D381 are required when 'Other Project Type' is selected.

Off-Road Equipment Emissions

Grubbing/Land Clearing	Default Number of Vehicles	Mitigation Option Override of	Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing		pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grubbing/Land Clearing		tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Grading/Excavation	Default Number of Vehicles	Override of	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment	If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab			ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Number of Vehicles		Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00		N/A	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grading/Excavation		pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Grading/Excavation		tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Drainage/Utilities/Subgrade	Default Number of Vehicles	Override of	Mitigation Option Default		ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	CO2e
Override of Default Number of Vehicles	*Program-estimate*	Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day	pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Excavators	0.49	6.54	4.83	0.23	0.21	0.01	1,000.24	0.32	0.01	1,011.02
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.00			Model Default Tier	Rubber Tired Loaders	0.37	1.64	4.41	0.15	0.13	0.01	605.16	0.20	0.01	611.69
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00			Model Default Tier	Signal Boards	0.57	3.01	3.59	0.14	0.14	0.01	493.14	0.05	0.00	495.64
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00			Model Default Tier	Tractors/Loaders/Backhoes	0.42	4.56	4.21	0.27	0.24	0.01	601.54	0.19	0.01	608.01
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day	CO2 pounds/day	CH4 pounds/day	N2O pounds/day	CO2e pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Drainage/Utilities/Sub-Grade		pounds per day	1.86	15.74	17.04	0.79	0.73	0.03	2,700.07	0.76	0.02	2,726.37
	Drainage/Utilities/Sub-Grade		tons per phase	0.25	2.08	2.25	0.10	0.10	0.00	356.41	0.10	0.00	359.88

Paving

Override of Default Number of Vehicles	Default Number of Vehicles *Program-estimate*	Mitigation Option Override of Default Equipment Tier (applicable only when "Tier 4 Mitigation" Option Selected)	Equipment Tier	Type	ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day	CO2 pounds/day	CH4 pounds/day	N2O pounds/day	CO2e pounds/day
			Model Default Tier	Aerial Lifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Air Compressors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Bore/Drill Rigs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cement and Mortar Mixers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Concrete/Industrial Saws	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Cranes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crawler Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Crushing/Proc. Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Excavators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Generator Sets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Graders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Tractors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Off-Highway Trucks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Construction Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other General Industrial Equipn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Other Material Handling Equipm	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pavers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Paving Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Plate Compactors	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pressure Washers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Pumps	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rollers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rough Terrain Forklifts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Dozers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Rubber Tired Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Scrapers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Signal Boards	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Skid Steer Loaders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Surfacing Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Sweepers/Scrubbers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Tractors/Loaders/Backhoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Trenchers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			Model Default Tier	Welders	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

User-Defined Off-road Equipment If non-default vehicles are used, please provide information in 'Non-default Off-road Equipment' tab

Number of Vehicles	Equipment Tier	Type		ROG pounds/day	CO pounds/day	NOx pounds/day	PM10 pounds/day	PM2.5 pounds/day	SOx pounds/day	CO2 pounds/day	CH4 pounds/day	N2O pounds/day	CO2e pounds/day
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	N/A		0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving		pounds per day	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Paving		tons per phase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions all Phases (tons per construction period) =>				0.25	2.08	2.25	0.10	0.10	0.00	356.41	0.10	0.00	359.88

Equipment default values for horsepower and hours/day can be overridden in cells D403 through D436 and F403 through F436.

Equipment	User Override of Horsepower	Default Values Horsepower	User Override of Hours/day	Default Values Hours/day	Horsepower	Load Factor adjustment
Aerial Lifts		63		8	63.00	0.31
Air Compressors		78		8	78.00	0.48
Bore/Drill Rigs		221		8	221.00	0.50
Cement and Mortar Mixers		9		8	9.00	0.56
Concrete/Industrial Saws		81		8	81.00	0.73
Cranes		231		8	231.00	0.29
Crawler Tractors		212		8	212.00	0.43
Crushing/Proc. Equipment		85		8	85.00	0.78
Excavators		158		8	158.00	0.38
Forklifts		89		8	89.00	0.20
Generator Sets		84		8	84.00	0.74
Graders		187		8	187.00	0.41
Off-Highway Tractors		124		8	124.00	0.44
Off-Highway Trucks		402		8	402.00	0.38
Other Construction Equipment		172		8	172.00	0.42
Other General Industrial Equipment		88		8	88.00	0.34
Other Material Handling Equipment		168		8	168.00	0.40
Pavers		130		8	130.00	0.42
Paving Equipment		132		8	132.00	0.36
Plate Compactors		8		8	8.00	0.43
Pressure Washers		13		8	13.00	0.30
Pumps		84		8	84.00	0.74
Rollers		80		8	80.00	0.38
Rough Terrain Forklifts		100		8	100.00	0.40
Rubber Tired Dozers		247		8	247.00	0.40
Rubber Tired Loaders		203		8	203.00	0.36
Scrapers		367		8	367.00	0.48
Signal Boards		6		8	6.00	0.82
Skid Steer Loaders		65		8	65.00	0.37
Surfacing Equipment		263		8	263.00	0.30
Sweepers/Scrubbers		64		8	64.00	0.46
Tractors/Loaders/Backhoes		97		8	97.00	0.37
Trenchers		78		8	78.00	0.50
Welders		46		8	46.00	0.45

Grubbing/Land Clearing

Equipment Type	Number of Vehicles	Tier	HP	Load Factor (%)	Hours Per Day	Emission Factor (g/bhp-hr) ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	Emission Factor Data Source

Grading/Excavation

Equipment Type	Number of Vehicles	Tier	HP	Load Factor (%)	Hours Per Day	Emission Factor (g/bhp-hr) ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	Emission Factor Data Source

Drainage/Utilities/Subgrade

Equipment Type	Number of Vehicles	Tier	HP	Load Factor (%)	Hours Per Day	Emission Factor (g/bhp-hr) ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	Emission Factor Data Source

Paving

Equipment Type	Number of Vehicles	Tier	HP	Load Factor (%)	Hours Per Day	Emission Factor (g/bhp-hr) ROG	CO	NOx	PM10	PM2.5	SOx	CO2	CH4	N2O	Emission Factor Data Source

Light Duty Truck

Worker Commute Truck Emissions (EMFAC2017 - web 1.0.2, weighted LDT1 and LDT2 emission factor based on VMT and trips)

Year	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0704	-	-	-	-	2.5553	-	-	-	-
2015	0.0597	-	-	-	-	2.2699	-	-	-	-
2016	0.0491	-	-	-	-	1.9702	-	-	-	-
2017	0.0405	-	-	-	-	1.7329	-	-	-	-
2018	0.0335	-	-	-	-	1.5296	-	-	-	-
2019	0.0279	-	-	-	-	1.3662	-	-	-	-
2020	0.0236	-	-	0.0236	-	1.2220	-	-	1.2220	-
2021	0.0204	-	-	-	-	1.1018	-	-	-	-
2022	0.0178	-	-	-	-	1.0001	-	-	-	-
2023	0.0154	-	-	-	-	0.9126	-	-	-	-
2024	0.0134	-	-	-	-	0.8386	-	-	-	-
2025	0.0117	-	-	-	-	0.7754	-	-	-	-
2026	0.0103	-	-	-	-	0.7225	-	-	-	-
2027	0.0091	-	-	-	-	0.6774	-	-	-	-
2028	0.0081	-	-	-	-	0.6398	-	-	-	-
2029	0.0072	-	-	-	-	0.6075	-	-	-	-
2030	0.0065	-	-	-	-	0.5801	-	-	-	-
2031	0.0059	-	-	-	-	0.5565	-	-	-	-
2032	0.0053	-	-	-	-	0.5366	-	-	-	-
2033	0.0048	-	-	-	-	0.5196	-	-	-	-
2034	0.0044	-	-	-	-	0.5049	-	-	-	-
2035	0.0041	-	-	-	-	0.4922	-	-	-	-
2036	0.0037	-	-	-	-	0.4811	-	-	-	-
2037	0.0035	-	-	-	-	0.4719	-	-	-	-
2038	0.0033	-	-	-	-	0.4637	-	-	-	-
2039	0.0030	-	-	-	-	0.4566	-	-	-	-
2040	0.0029	-	-	-	-	0.4506	-	-	-	-
2041	0.0027					0.4452				
2042	0.0026					0.4404				
2043	0.0025					0.4367				
2044	0.0024					0.4339				
2045	0.0023					0.4317				
2046	0.0023					0.4300				
2047	0.0023					0.4286				
2048	0.0023					0.4274				
2049	0.0022					0.4268				
2050	0.0022					0.4264				
Total		-	-	0.0236	-		-	-	1.2220	-

Light Duty T

Year	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.2855	-	-	-	-	0.0024	-	-	-	-
2015	0.2490	-	-	-	-	0.0022	-	-	-	-
2016	0.2095	-	-	-	-	0.0020	-	-	-	-
2017	0.1791	-	-	-	-	0.0019	-	-	-	-
2018	0.1530	-	-	-	-	0.0019	-	-	-	-
2019	0.1307	-	-	-	-	0.0018	-	-	-	-
2020	0.1123	-	-	0.1123	-	0.0018	-	-	0.0018	-
2021	0.0968	-	-	-	-	0.0017	-	-	-	-
2022	0.0838	-	-	-	-	0.0016	-	-	-	-
2023	0.0726	-	-	-	-	0.0015	-	-	-	-
2024	0.0632	-	-	-	-	0.0015	-	-	-	-
2025	0.0554	-	-	-	-	0.0014	-	-	-	-
2026	0.0491	-	-	-	-	0.0014	-	-	-	-
2027	0.0437	-	-	-	-	0.0013	-	-	-	-
2028	0.0393	-	-	-	-	0.0012	-	-	-	-
2029	0.0355	-	-	-	-	0.0011	-	-	-	-
2030	0.0324	-	-	-	-	0.0011	-	-	-	-
2031	0.0297	-	-	-	-	0.0010	-	-	-	-
2032	0.0275	-	-	-	-	0.0009	-	-	-	-
2033	0.0257	-	-	-	-	0.0009	-	-	-	-
2034	0.0242	-	-	-	-	0.0008	-	-	-	-
2035	0.0229	-	-	-	-	0.0008	-	-	-	-
2036	0.0219	-	-	-	-	0.0008	-	-	-	-
2037	0.0211	-	-	-	-	0.0007	-	-	-	-
2038	0.0203	-	-	-	-	0.0007	-	-	-	-
2039	0.0197	-	-	-	-	0.0007	-	-	-	-
2040	0.0191	-	-	-	-	0.0006	-	-	-	-
2041	0.0187					0.0006				
2042	0.0183					0.0006				
2043	0.0180					0.0006				
2044	0.0178					0.0006				
2045	0.0177					0.0006				
2046	0.0176					0.0005				
2047	0.0175					0.0005				
2048	0.0174					0.0005				
2049	0.0174					0.0005				
2050	0.0174					0.0005				
Total		-	-	0.1123	-		-	-	0.0018	-

Light Duty T

Year	Running Exhaust (g/mi) PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0022	-	-	-	-	0.0041	-	-	-	-
2015	0.0020	-	-	-	-	0.0040	-	-	-	-
2016	0.0019	-	-	-	-	0.0039	-	-	-	-
2017	0.0018	-	-	-	-	0.0038	-	-	-	-
2018	0.0017	-	-	-	-	0.0037	-	-	-	-
2019	0.0017	-	-	-	-	0.0036	-	-	-	-
2020	0.0016	-	-	0.0016	-	0.0035	-	-	0.0035	-
2021	0.0016	-	-	-	-	0.0034	-	-	-	-
2022	0.0015	-	-	-	-	0.0033	-	-	-	-
2023	0.0014	-	-	-	-	0.0031	-	-	-	-
2024	0.0014	-	-	-	-	0.0030	-	-	-	-
2025	0.0013	-	-	-	-	0.0029	-	-	-	-
2026	0.0013	-	-	-	-	0.0028	-	-	-	-
2027	0.0012	-	-	-	-	0.0027	-	-	-	-
2028	0.0011	-	-	-	-	0.0027	-	-	-	-
2029	0.0010	-	-	-	-	0.0026	-	-	-	-
2030	0.0010	-	-	-	-	0.0025	-	-	-	-
2031	0.0009	-	-	-	-	0.0025	-	-	-	-
2032	0.0009	-	-	-	-	0.0024	-	-	-	-
2033	0.0008	-	-	-	-	0.0024	-	-	-	-
2034	0.0008	-	-	-	-	0.0023	-	-	-	-
2035	0.0007	-	-	-	-	0.0023	-	-	-	-
2036	0.0007	-	-	-	-	0.0022	-	-	-	-
2037	0.0007	-	-	-	-	0.0022	-	-	-	-
2038	0.0006	-	-	-	-	0.0022	-	-	-	-
2039	0.0006	-	-	-	-	0.0022	-	-	-	-
2040	0.0006	-	-	-	-	0.0022	-	-	-	-
2041	0.0006					0.0021				
2042	0.0005					0.0021				
2043	0.0005					0.0021				
2044	0.0005					0.0021				
2045	0.0005					0.0021				
2046	0.0005					0.0021				
2047	0.0005					0.0021				
2048	0.0005					0.0021				
2049	0.0005					0.0021				
2050	0.0005					0.0021				
Total		-	-	0.0016	-		-	-	0.0035	-

Light Duty T

Year	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	409.67	-	-	-	-	0.0138	-	-	-	-
2015	403.60	-	-	-	-	0.0120	-	-	-	-
2016	393.85	-	-	-	-	0.0102	-	-	-	-
2017	384.27	-	-	-	-	0.0087	-	-	-	-
2018	374.22	-	-	-	-	0.0074	-	-	-	-
2019	361.65	-	-	-	-	0.0064	-	-	-	-
2020	350.90	-	-	350.9017	-	0.0055	-	-	0.0055	-
2021	339.80	-	-	-	-	0.0048	-	-	-	-
2022	328.72	-	-	-	-	0.0042	-	-	-	-
2023	317.66	-	-	-	-	0.0037	-	-	-	-
2024	306.70	-	-	-	-	0.0033	-	-	-	-
2025	295.84	-	-	-	-	0.0029	-	-	-	-
2026	285.85	-	-	-	-	0.0026	-	-	-	-
2027	276.66	-	-	-	-	0.0023	-	-	-	-
2028	268.32	-	-	-	-	0.0021	-	-	-	-
2029	260.77	-	-	-	-	0.0019	-	-	-	-
2030	254.00	-	-	-	-	0.0017	-	-	-	-
2031	247.95	-	-	-	-	0.0016	-	-	-	-
2032	242.57	-	-	-	-	0.0015	-	-	-	-
2033	237.82	-	-	-	-	0.0013	-	-	-	-
2034	233.65	-	-	-	-	0.0013	-	-	-	-
2035	230.02	-	-	-	-	0.0012	-	-	-	-
2036	226.88	-	-	-	-	0.0011	-	-	-	-
2037	224.18	-	-	-	-	0.0010	-	-	-	-
2038	221.88	-	-	-	-	0.0010	-	-	-	-
2039	219.91	-	-	-	-	0.0009	-	-	-	-
2040	218.24	-	-	-	-	0.0009	-	-	-	-
2041	216.83					0.0009				
2042	215.62					0.0008				
2043	214.60					0.0008				
2044	213.74					0.0008				
2045	213.01					0.0008				
2046	212.41					0.0008				
2047	211.91					0.0008				
2048	211.49					0.0008				
2049	211.13					0.0008				
2050	210.84					0.0007				
Total		-	-	350.9017	-		-	-	0.0055	-

Light Duty T

Year	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
										Tire Wear (g
2014	0.0181	-	-	-	-	0.0080	-	-	-	-
2015	0.0163	-	-	-	-	0.0080	-	-	-	-
2016	0.0142	-	-	-	-	0.0080	-	-	-	-
2017	0.0125	-	-	-	-	0.0080	-	-	-	-
2018	0.0111	-	-	-	-	0.0080	-	-	-	-
2019	0.0099	-	-	-	-	0.0080	-	-	-	-
2020	0.0088	-	-	0.0088	-	0.0080	-	-	0.0080	-
2021	0.0079	-	-	-	-	0.0080	-	-	-	-
2022	0.0072	-	-	-	-	0.0080	-	-	-	-
2023	0.0065	-	-	-	-	0.0080	-	-	-	-
2024	0.0059	-	-	-	-	0.0080	-	-	-	-
2025	0.0054	-	-	-	-	0.0080	-	-	-	-
2026	0.0050	-	-	-	-	0.0080	-	-	-	-
2027	0.0047	-	-	-	-	0.0080	-	-	-	-
2028	0.0044	-	-	-	-	0.0080	-	-	-	-
2029	0.0042	-	-	-	-	0.0080	-	-	-	-
2030	0.0040	-	-	-	-	0.0080	-	-	-	-
2031	0.0038	-	-	-	-	0.0080	-	-	-	-
2032	0.0037	-	-	-	-	0.0080	-	-	-	-
2033	0.0036	-	-	-	-	0.0080	-	-	-	-
2034	0.0035	-	-	-	-	0.0080	-	-	-	-
2035	0.0034	-	-	-	-	0.0080	-	-	-	-
2036	0.0033	-	-	-	-	0.0080	-	-	-	-
2037	0.0033	-	-	-	-	0.0080	-	-	-	-
2038	0.0032	-	-	-	-	0.0080	-	-	-	-
2039	0.0032	-	-	-	-	0.0080	-	-	-	-
2040	0.0032	-	-	-	-	0.0080	-	-	-	-
2041	0.0031					0.0080				
2042	0.0031					0.0080				
2043	0.0031					0.0080				
2044	0.0031					0.0080				
2045	0.0031					0.0080				
2046	0.0031					0.0080				
2047	0.0031					0.0080				
2048	0.0031					0.0080				
2049	0.0031					0.0080				
2050	0.0031					0.0080				
Total		-	-	0.0088	-		-	-	0.0080	-

Light Duty T

Year	/mi) PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Break W Weighted - Paving
2014	0.0020	-	-	-	-	0.0368	-	-	-	-
2015	0.0020	-	-	-	-	0.0368	-	-	-	-
2016	0.0020	-	-	-	-	0.0368	-	-	-	-
2017	0.0020	-	-	-	-	0.0368	-	-	-	-
2018	0.0020	-	-	-	-	0.0368	-	-	-	-
2019	0.0020	-	-	-	-	0.0368	-	-	-	-
2020	0.0020	-	-	0.0020	-	0.0368	-	-	0.0368	-
2021	0.0020	-	-	-	-	0.0368	-	-	-	-
2022	0.0020	-	-	-	-	0.0368	-	-	-	-
2023	0.0020	-	-	-	-	0.0368	-	-	-	-
2024	0.0020	-	-	-	-	0.0368	-	-	-	-
2025	0.0020	-	-	-	-	0.0368	-	-	-	-
2026	0.0020	-	-	-	-	0.0368	-	-	-	-
2027	0.0020	-	-	-	-	0.0368	-	-	-	-
2028	0.0020	-	-	-	-	0.0368	-	-	-	-
2029	0.0020	-	-	-	-	0.0368	-	-	-	-
2030	0.0020	-	-	-	-	0.0368	-	-	-	-
2031	0.0020	-	-	-	-	0.0368	-	-	-	-
2032	0.0020	-	-	-	-	0.0368	-	-	-	-
2033	0.0020	-	-	-	-	0.0368	-	-	-	-
2034	0.0020	-	-	-	-	0.0368	-	-	-	-
2035	0.0020	-	-	-	-	0.0368	-	-	-	-
2036	0.0020	-	-	-	-	0.0368	-	-	-	-
2037	0.0020	-	-	-	-	0.0368	-	-	-	-
2038	0.0020	-	-	-	-	0.0368	-	-	-	-
2039	0.0020	-	-	-	-	0.0368	-	-	-	-
2040	0.0020	-	-	-	-	0.0368	-	-	-	-
2041	0.0020					0.0368				
2042	0.0020					0.0368				
2043	0.0020					0.0368				
2044	0.0020					0.0368				
2045	0.0020					0.0368				
2046	0.0020					0.0368				
2047	0.0020					0.0368				
2048	0.0020					0.0368				
2049	0.0020					0.0368				
2050	0.0020					0.0368				
Total		-	-	0.0020	-		-	-	0.0368	-

Light Duty T

Year	ear (g/mi) PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0158	-	-	-	-	0.7527	-	-	-	-
2015	0.0158	-	-	-	-	0.6956	-	-	-	-
2016	0.0158	-	-	-	-	0.6302	-	-	-	-
2017	0.0158	-	-	-	-	0.5768	-	-	-	-
2018	0.0158	-	-	-	-	0.5284	-	-	-	-
2019	0.0158	-	-	-	-	0.4844	-	-	-	-
2020	0.0158	-	-	0.0158	-	0.4435	-	-	0.4435	-
2021	0.0158	-	-	-	-	0.4068	-	-	-	-
2022	0.0158	-	-	-	-	0.3727	-	-	-	-
2023	0.0158	-	-	-	-	0.3412	-	-	-	-
2024	0.0158	-	-	-	-	0.3121	-	-	-	-
2025	0.0158	-	-	-	-	0.2856	-	-	-	-
2026	0.0158	-	-	-	-	0.2618	-	-	-	-
2027	0.0158	-	-	-	-	0.2405	-	-	-	-
2028	0.0158	-	-	-	-	0.2216	-	-	-	-
2029	0.0158	-	-	-	-	0.2045	-	-	-	-
2030	0.0158	-	-	-	-	0.1892	-	-	-	-
2031	0.0158	-	-	-	-	0.1753	-	-	-	-
2032	0.0158	-	-	-	-	0.1630	-	-	-	-
2033	0.0158	-	-	-	-	0.1520	-	-	-	-
2034	0.0158	-	-	-	-	0.1421	-	-	-	-
2035	0.0158	-	-	-	-	0.1334	-	-	-	-
2036	0.0158	-	-	-	-	0.1255	-	-	-	-
2037	0.0158	-	-	-	-	0.1188	-	-	-	-
2038	0.0158	-	-	-	-	0.1127	-	-	-	-
2039	0.0158	-	-	-	-	0.1072	-	-	-	-
2040	0.0158	-	-	-	-	0.1023	-	-	-	-
2041	0.0158					0.0978				
2042	0.0158					0.0938				
2043	0.0158					0.0905				
2044	0.0158					0.0879				
2045	0.0158					0.0857				
2046	0.0158					0.0839				
2047	0.0158					0.0824				
2048	0.0158					0.0810				
2049	0.0158					0.0803				
2050	0.0158					0.0797				
Total		-	-	0.0158	-		-	-	0.4435	-

Light Duty T

Year	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	4.0190	-	-	-	-	0.6216	-	-	-	-
2015	3.8179	-	-	-	-	0.5770	-	-	-	-
2016	3.6099	-	-	-	-	0.5246	-	-	-	-
2017	3.4426	-	-	-	-	0.4818	-	-	-	-
2018	3.2975	-	-	-	-	0.4429	-	-	-	-
2019	3.1722	-	-	-	-	0.4072	-	-	-	-
2020	3.0526	-	-	3.0526	-	0.3743	-	-	0.3743	-
2021	2.9457	-	-	-	-	0.3441	-	-	-	-
2022	2.8473	-	-	-	-	0.3161	-	-	-	-
2023	2.7522	-	-	-	-	0.2905	-	-	-	-
2024	2.6593	-	-	-	-	0.2674	-	-	-	-
2025	2.5641	-	-	-	-	0.2465	-	-	-	-
2026	2.4733	-	-	-	-	0.2282	-	-	-	-
2027	2.3887	-	-	-	-	0.2121	-	-	-	-
2028	2.3132	-	-	-	-	0.1979	-	-	-	-
2029	2.2428	-	-	-	-	0.1854	-	-	-	-
2030	2.1798	-	-	-	-	0.1746	-	-	-	-
2031	2.1229	-	-	-	-	0.1653	-	-	-	-
2032	2.0713	-	-	-	-	0.1574	-	-	-	-
2033	2.0247	-	-	-	-	0.1509	-	-	-	-
2034	1.9825	-	-	-	-	0.1455	-	-	-	-
2035	1.9446	-	-	-	-	0.1410	-	-	-	-
2036	1.9105	-	-	-	-	0.1371	-	-	-	-
2037	1.8802	-	-	-	-	0.1341	-	-	-	-
2038	1.8532	-	-	-	-	0.1314	-	-	-	-
2039	1.8297	-	-	-	-	0.1293	-	-	-	-
2040	1.8090	-	-	-	-	0.1276	-	-	-	-
2041	1.7893					0.1260				
2042	1.7709					0.1246				
2043	1.7543					0.1233				
2044	1.7393					0.1222				
2045	1.7252					0.1210				
2046	1.7132					0.1202				
2047	1.7030					0.1195				
2048	1.6942					0.1189				
2049	1.6884					0.1191				
2050	1.6835					0.1192				
Total		-	-	3.0526	-		-	-	0.3743	-

Light Duty T

							Start Emission Rate (g/trip)			
Year	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0031	-	-	-	-	0.0029	-	-	-	-
2015	0.0028	-	-	-	-	0.0026	-	-	-	-
2016	0.0026	-	-	-	-	0.0024	-	-	-	-
2017	0.0025	-	-	-	-	0.0023	-	-	-	-
2018	0.0024	-	-	-	-	0.0022	-	-	-	-
2019	0.0023	-	-	-	-	0.0021	-	-	-	-
2020	0.0022	-	-	0.0022	-	0.0021	-	-	0.0021	-
2021	0.0021	-	-	-	-	0.0020	-	-	-	-
2022	0.0021	-	-	-	-	0.0019	-	-	-	-
2023	0.0020	-	-	-	-	0.0018	-	-	-	-
2024	0.0019	-	-	-	-	0.0017	-	-	-	-
2025	0.0018	-	-	-	-	0.0017	-	-	-	-
2026	0.0017	-	-	-	-	0.0016	-	-	-	-
2027	0.0017	-	-	-	-	0.0015	-	-	-	-
2028	0.0016	-	-	-	-	0.0015	-	-	-	-
2029	0.0015	-	-	-	-	0.0014	-	-	-	-
2030	0.0014	-	-	-	-	0.0013	-	-	-	-
2031	0.0013	-	-	-	-	0.0012	-	-	-	-
2032	0.0013	-	-	-	-	0.0012	-	-	-	-
2033	0.0012	-	-	-	-	0.0011	-	-	-	-
2034	0.0011	-	-	-	-	0.0010	-	-	-	-
2035	0.0011	-	-	-	-	0.0010	-	-	-	-
2036	0.0010	-	-	-	-	0.0009	-	-	-	-
2037	0.0010	-	-	-	-	0.0009	-	-	-	-
2038	0.0009	-	-	-	-	0.0008	-	-	-	-
2039	0.0009	-	-	-	-	0.0008	-	-	-	-
2040	0.0008	-	-	-	-	0.0008	-	-	-	-
2041	0.0008					0.0007				
2042	0.0008					0.0007				
2043	0.0007					0.0007				
2044	0.0007					0.0007				
2045	0.0007					0.0006				
2046	0.0007					0.0006				
2047	0.0007					0.0006				
2048	0.0007					0.0006				
2049	0.0007					0.0006				
2050	0.0006					0.0006				
Total		-	-	0.0022	-		-	-	0.0021	-

Light Duty T

Year	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0009	-	-	-	-	87.5208	-	-	-	-
2015	0.0009	-	-	-	-	86.0133	-	-	-	-
2016	0.0008	-	-	-	-	83.8089	-	-	-	-
2017	0.0008	-	-	-	-	81.6615	-	-	-	-
2018	0.0008	-	-	-	-	79.4925	-	-	-	-
2019	0.0008	-	-	-	-	77.3046	-	-	-	-
2020	0.0007	-	-	0.0007	-	75.0804	-	-	75.0804	-
2021	0.0007	-	-	-	-	72.8141	-	-	-	-
2022	0.0007	-	-	-	-	70.5352	-	-	-	-
2023	0.0007	-	-	-	-	68.2582	-	-	-	-
2024	0.0007	-	-	-	-	65.9892	-	-	-	-
2025	0.0006	-	-	-	-	63.7286	-	-	-	-
2026	0.0006	-	-	-	-	61.5915	-	-	-	-
2027	0.0006	-	-	-	-	59.6022	-	-	-	-
2028	0.0006	-	-	-	-	57.7665	-	-	-	-
2029	0.0006	-	-	-	-	56.0705	-	-	-	-
2030	0.0005	-	-	-	-	54.5181	-	-	-	-
2031	0.0005	-	-	-	-	53.1024	-	-	-	-
2032	0.0005	-	-	-	-	51.8200	-	-	-	-
2033	0.0005	-	-	-	-	50.6631	-	-	-	-
2034	0.0005	-	-	-	-	49.6225	-	-	-	-
2035	0.0005	-	-	-	-	48.6946	-	-	-	-
2036	0.0005	-	-	-	-	47.8719	-	-	-	-
2037	0.0005	-	-	-	-	47.1514	-	-	-	-
2038	0.0005	-	-	-	-	46.5176	-	-	-	-
2039	0.0005	-	-	-	-	45.9630	-	-	-	-
2040	0.0005	-	-	-	-	45.4772	-	-	-	-
2041	0.0004					45.0510				
2042	0.0004					44.6697				
2043	0.0004					44.3376				
2044	0.0004					44.0500				
2045	0.0004					43.7930				
2046	0.0004					43.5729				
2047	0.0004					43.3863				
2048	0.0004					43.2255				
2049	0.0004					43.0885				
2050	0.0004					42.9714				
Total		-	-	0.0007	-		-	-	75.0804	-

Light Duty T

Year	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.1383	-	-	-	-	0.0490	-	-	-	-
2015	0.1296	-	-	-	-	0.0471	-	-	-	-
2016	0.1195	-	-	-	-	0.0447	-	-	-	-
2017	0.1109	-	-	-	-	0.0426	-	-	-	-
2018	0.1030	-	-	-	-	0.0407	-	-	-	-
2019	0.0958	-	-	-	-	0.0389	-	-	-	-
2020	0.0889	-	-	0.0889	-	0.0370	-	-	0.0370	-
2021	0.0826	-	-	-	-	0.0353	-	-	-	-
2022	0.0766	-	-	-	-	0.0335	-	-	-	-
2023	0.0710	-	-	-	-	0.0318	-	-	-	-
2024	0.0657	-	-	-	-	0.0301	-	-	-	-
2025	0.0608	-	-	-	-	0.0286	-	-	-	-
2026	0.0564	-	-	-	-	0.0272	-	-	-	-
2027	0.0524	-	-	-	-	0.0259	-	-	-	-
2028	0.0488	-	-	-	-	0.0248	-	-	-	-
2029	0.0455	-	-	-	-	0.0239	-	-	-	-
2030	0.0426	-	-	-	-	0.0230	-	-	-	-
2031	0.0399	-	-	-	-	0.0223	-	-	-	-
2032	0.0375	-	-	-	-	0.0217	-	-	-	-
2033	0.0354	-	-	-	-	0.0212	-	-	-	-
2034	0.0335	-	-	-	-	0.0208	-	-	-	-
2035	0.0318	-	-	-	-	0.0204	-	-	-	-
2036	0.0303	-	-	-	-	0.0201	-	-	-	-
2037	0.0290	-	-	-	-	0.0199	-	-	-	-
2038	0.0278	-	-	-	-	0.0197	-	-	-	-
2039	0.0268	-	-	-	-	0.0196	-	-	-	-
2040	0.0259	-	-	-	-	0.0195	-	-	-	-
2041	0.0251					0.0194				
2042	0.0243					0.0193				
2043	0.0237					0.0192				
2044	0.0232					0.0192				
2045	0.0227					0.0191				
2046	0.0224					0.0190				
2047	0.0221					0.0190				
2048	0.0218					0.0190				
2049	0.0217					0.0190				
2050	0.0215					0.0190				
Total		-	-	0.0889	-		-	-	0.0370	-

Light Duty T

Year	Hot Soak (g/trip)					Evaporative Running Loss (g/trip)				
	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.2639	-	-	-	-	0.9011	-	-	-	-
2015	0.2518	-	-	-	-	0.8496	-	-	-	-
2016	0.2357	-	-	-	-	0.7864	-	-	-	-
2017	0.2223	-	-	-	-	0.7345	-	-	-	-
2018	0.2096	-	-	-	-	0.6901	-	-	-	-
2019	0.1981	-	-	-	-	0.6528	-	-	-	-
2020	0.1876	-	-	0.1876	-	0.6199	-	-	0.6199	-
2021	0.1781	-	-	-	-	0.5902	-	-	-	-
2022	0.1688	-	-	-	-	0.5637	-	-	-	-
2023	0.1599	-	-	-	-	0.5397	-	-	-	-
2024	0.1513	-	-	-	-	0.5173	-	-	-	-
2025	0.1433	-	-	-	-	0.4962	-	-	-	-
2026	0.1357	-	-	-	-	0.4759	-	-	-	-
2027	0.1283	-	-	-	-	0.4562	-	-	-	-
2028	0.1213	-	-	-	-	0.4357	-	-	-	-
2029	0.1143	-	-	-	-	0.4138	-	-	-	-
2030	0.1076	-	-	-	-	0.3920	-	-	-	-
2031	0.1008	-	-	-	-	0.3697	-	-	-	-
2032	0.0947	-	-	-	-	0.3491	-	-	-	-
2033	0.0890	-	-	-	-	0.3299	-	-	-	-
2034	0.0837	-	-	-	-	0.3120	-	-	-	-
2035	0.0788	-	-	-	-	0.2951	-	-	-	-
2036	0.0743	-	-	-	-	0.2801	-	-	-	-
2037	0.0703	-	-	-	-	0.2667	-	-	-	-
2038	0.0666	-	-	-	-	0.2537	-	-	-	-
2039	0.0630	-	-	-	-	0.2413	-	-	-	-
2040	0.0599	-	-	-	-	0.2302	-	-	-	-
2041	0.0571					0.2206				
2042	0.0545					0.2114				
2043	0.0524					0.2051				
2044	0.0505					0.1994				
2045	0.0487					0.1939				
2046	0.0470					0.1891				
2047	0.0456					0.1850				
2048	0.0444					0.1814				
2049	0.0434					0.1782				
2050	0.0427					0.1754				
Total		-	-	0.1876	-		-	-	0.6199	-

Heavy-Heavy Duty Diesel Truck

Water Truck Commute Emissions (EMFAC2017 - web 1.0.2, T7 Single Unit Construction Truck)

Year	ROG	Weighted-Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted-Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	1.8521	-	-	-	-	4.0026	-	-	-	-
2015	1.5946	-	-	-	-	3.4621	-	-	-	-
2016	1.2921	-	-	-	-	2.8379	-	-	-	-
2017	1.0636	-	-	-	-	2.3588	-	-	-	-
2018	0.9069	-	-	-	-	2.0416	-	-	-	-
2019	0.7863	-	-	-	-	1.7985	-	-	-	-
2020	0.5270	-	-	0.5270	-	1.2976	-	-	1.2976	-
2021	0.4260	-	-	-	-	1.1373	-	-	-	-
2022	0.1785	-	-	-	-	0.6644	-	-	-	-
2023	0.0441	-	-	-	-	0.4262	-	-	-	-
2024	0.0423	-	-	-	-	0.4266	-	-	-	-
2025	0.0406	-	-	-	-	0.4273	-	-	-	-
2026	0.0391	-	-	-	-	0.4279	-	-	-	-
2027	0.0378	-	-	-	-	0.4281	-	-	-	-
2028	0.0367	-	-	-	-	0.4288	-	-	-	-
2029	0.0359	-	-	-	-	0.4297	-	-	-	-
2030	0.0351	-	-	-	-	0.4306	-	-	-	-
2031	0.0345	-	-	-	-	0.4315	-	-	-	-
2032	0.0339	-	-	-	-	0.4322	-	-	-	-
2033	0.0334	-	-	-	-	0.4325	-	-	-	-
2034	0.0330	-	-	-	-	0.4325	-	-	-	-
2035	0.0326	-	-	-	-	0.4321	-	-	-	-
2036	0.0323	-	-	-	-	0.4320	-	-	-	-
2037	0.0321	-	-	-	-	0.4317	-	-	-	-
2038	0.0319	-	-	-	-	0.4314	-	-	-	-
2039	0.0317	-	-	-	-	0.4312	-	-	-	-
2040	0.0315	-	-	-	-	0.4308	-	-	-	-
2041	0.0314					0.4305				
2042	0.0313					0.4302				
2043	0.0312					0.4300				
2044	0.0311					0.4298				
2045	0.0310					0.4296				
2046	0.0309					0.4295				
2047	0.0309					0.4294				
2048	0.0309					0.4293				
2049	0.0309					0.4292				
2050	0.0308					0.4292				
Total		-	-	0.5270	-		-	-	1.2976	-
key for calcul	ROG_RUNEX	ROG_RUNEX	ROG_RUNEX	ROG_RUNEX	ROG_RUNEX	CO_RUNEX-(	CO_RUNEX-\	CO_RUNEX-\	CO_RUNEX-\	CO_RUNEX-\
	1	2	3	4	5	6	7	8	9	10

Heavy-Heavy

Year	NOx	Weighted-Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted-Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	15.4709	-	-	-	-	0.6277	-	-	-	-
2015	13.7491	-	-	-	-	0.5266	-	-	-	-
2016	11.7429	-	-	-	-	0.4128	-	-	-	-
2017	10.5229	-	-	-	-	0.3263	-	-	-	-
2018	9.6970	-	-	-	-	0.2691	-	-	-	-
2019	9.0623	-	-	-	-	0.2257	-	-	-	-
2020	7.5546	-	-	7.5546	-	0.1419	-	-	0.1419	-
2021	6.4922	-	-	-	-	0.1153	-	-	-	-
2022	4.7102	-	-	-	-	0.0442	-	-	-	-
2023	3.5373	-	-	-	-	0.0180	-	-	-	-
2024	3.4943	-	-	-	-	0.0176	-	-	-	-
2025	3.4600	-	-	-	-	0.0173	-	-	-	-
2026	3.4290	-	-	-	-	0.0170	-	-	-	-
2027	3.4003	-	-	-	-	0.0167	-	-	-	-
2028	3.3809	-	-	-	-	0.0166	-	-	-	-
2029	3.3699	-	-	-	-	0.0164	-	-	-	-
2030	3.3633	-	-	-	-	0.0164	-	-	-	-
2031	3.3580	-	-	-	-	0.0163	-	-	-	-
2032	3.3517	-	-	-	-	0.0162	-	-	-	-
2033	3.3446	-	-	-	-	0.0162	-	-	-	-
2034	3.3345	-	-	-	-	0.0161	-	-	-	-
2035	3.3228	-	-	-	-	0.0160	-	-	-	-
2036	3.3141	-	-	-	-	0.0159	-	-	-	-
2037	3.3050	-	-	-	-	0.0159	-	-	-	-
2038	3.2967	-	-	-	-	0.0158	-	-	-	-
2039	3.2899	-	-	-	-	0.0158	-	-	-	-
2040	3.2821	-	-	-	-	0.0157	-	-	-	-
2041	3.2754					0.0157				
2042	3.2703					0.0157				
2043	3.2653					0.0156				
2044	3.2610					0.0156				
2045	3.2578					0.0156				
2046	3.2551					0.0156				
2047	3.2533					0.0156				
2048	3.2519					0.0156				
2049	3.2510					0.0156				
2050	3.2504					0.0155				
Total		-	-	7.5546	-		-	-	0.1419	-
key for calcul	NOx_RUNEX 11	NOx_RUNEX 12	NOx_RUNEX 13	NOx_RUNEX 14	NOx_RUNEX 15	PM10_RUNE 16	PM10_RUNE 17	PM10_RUNE 18	PM10_RUNE 19	PM10_RUNE 20

Heavy-Heavy

	Running Exhaust (g/mi)									
Year	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.6006	-	-	-	-	0.0194	-	-	-	-
2015	0.5038	-	-	-	-	0.0190	-	-	-	-
2016	0.3949	-	-	-	-	0.0187	-	-	-	-
2017	0.3122	-	-	-	-	0.0184	-	-	-	-
2018	0.2574	-	-	-	-	0.0182	-	-	-	-
2019	0.2160	-	-	-	-	0.0180	-	-	-	-
2020	0.1358	-	-	0.1358	-	0.0179	-	-	0.0179	-
2021	0.1103	-	-	-	-	0.0176	-	-	-	-
2022	0.0423	-	-	-	-	0.0169	-	-	-	-
2023	0.0173	-	-	-	-	0.0163	-	-	-	-
2024	0.0169	-	-	-	-	0.0161	-	-	-	-
2025	0.0165	-	-	-	-	0.0159	-	-	-	-
2026	0.0163	-	-	-	-	0.0157	-	-	-	-
2027	0.0160	-	-	-	-	0.0155	-	-	-	-
2028	0.0158	-	-	-	-	0.0153	-	-	-	-
2029	0.0157	-	-	-	-	0.0151	-	-	-	-
2030	0.0156	-	-	-	-	0.0149	-	-	-	-
2031	0.0156	-	-	-	-	0.0147	-	-	-	-
2032	0.0155	-	-	-	-	0.0146	-	-	-	-
2033	0.0155	-	-	-	-	0.0144	-	-	-	-
2034	0.0154	-	-	-	-	0.0142	-	-	-	-
2035	0.0153	-	-	-	-	0.0140	-	-	-	-
2036	0.0153	-	-	-	-	0.0139	-	-	-	-
2037	0.0152	-	-	-	-	0.0137	-	-	-	-
2038	0.0152	-	-	-	-	0.0135	-	-	-	-
2039	0.0151	-	-	-	-	0.0134	-	-	-	-
2040	0.0151	-	-	-	-	0.0132	-	-	-	-
2041	0.0150					0.0131				
2042	0.0150					0.0130				
2043	0.0150					0.0129				
2044	0.0149					0.0128				
2045	0.0149					0.0127				
2046	0.0149					0.0126				
2047	0.0149					0.0125				
2048	0.0149					0.0124				
2049	0.0149					0.0124				
2050	0.0149					0.0123				
Total		-	-	0.1358	-		-	-	0.0179	-
key for calcul	PM2_5_RUNI	PM2_5_RUNI	PM2_5_RUNI	PM2_5_RUNI	PM2_5_RUNI	SOx_RUNEX	SOx_RUNEX	SOx_RUNEX	SOx_RUNEX	SOx_RUNEX
	21	22	23	24	25	26	27	28	29	30

Heavy-Heavy

Year	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	2,051.88	-	-	-	-	0.0860	-	-	-	-
2015	2,013.26	-	-	-	-	0.0741	-	-	-	-
2016	1,975.24	-	-	-	-	0.0600	-	-	-	-
2017	1,948.96	-	-	-	-	0.0494	-	-	-	-
2018	1,929.01	-	-	-	-	0.0421	-	-	-	-
2019	1,910.50	-	-	-	-	0.0365	-	-	-	-
2020	1,892.05	-	-	1,892.0458	-	0.0245	-	-	0.0245	-
2021	1,859.78	-	-	-	-	0.0198	-	-	-	-
2022	1,793.76	-	-	-	-	0.0083	-	-	-	-
2023	1,726.74	-	-	-	-	0.0020	-	-	-	-
2024	1,704.13	-	-	-	-	0.0020	-	-	-	-
2025	1,682.27	-	-	-	-	0.0019	-	-	-	-
2026	1,660.70	-	-	-	-	0.0018	-	-	-	-
2027	1,636.36	-	-	-	-	0.0018	-	-	-	-
2028	1,614.47	-	-	-	-	0.0017	-	-	-	-
2029	1,595.53	-	-	-	-	0.0017	-	-	-	-
2030	1,577.22	-	-	-	-	0.0016	-	-	-	-
2031	1,559.82	-	-	-	-	0.0016	-	-	-	-
2032	1,542.35	-	-	-	-	0.0016	-	-	-	-
2033	1,524.68	-	-	-	-	0.0016	-	-	-	-
2034	1,505.70	-	-	-	-	0.0015	-	-	-	-
2035	1,486.40	-	-	-	-	0.0015	-	-	-	-
2036	1,468.71	-	-	-	-	0.0015	-	-	-	-
2037	1,451.01	-	-	-	-	0.0015	-	-	-	-
2038	1,433.92	-	-	-	-	0.0015	-	-	-	-
2039	1,418.12	-	-	-	-	0.0015	-	-	-	-
2040	1,402.47	-	-	-	-	0.0015	-	-	-	-
2041	1,387.78					0.0015				
2042	1,374.40					0.0015				
2043	1,361.89					0.0014				
2044	1,350.53					0.0014				
2045	1,340.26					0.0014				
2046	1,330.92					0.0014				
2047	1,322.66					0.0014				
2048	1,315.21					0.0014				
2049	1,308.68					0.0014				
2050	1,305.67					0.0014				
Total		-	-	1,892.0458	-		-	-	0.0245	-
key for calcul	CO2_RUNEX-31	CO2_RUNEX-32	CO2_RUNEX-W 33	CO2_RUNEX-V 34	CO2_RUNEX-Wei 35	CH4_RUNEX 36	CH4_RUNEX 37	CH4_RUNEX 38	CH4_RUNEX 39	CH4_RUNEX 40

Heavy-Heavy

										Tire Wear (g
Year	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted- Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.3221	-	-	-	-	0.0360	-	-	-	-
2015	0.3165	-	-	-	-	0.0360	-	-	-	-
2016	0.3105	-	-	-	-	0.0360	-	-	-	-
2017	0.3063	-	-	-	-	0.0360	-	-	-	-
2018	0.3032	-	-	-	-	0.0360	-	-	-	-
2019	0.3003	-	-	-	-	0.0360	-	-	-	-
2020	0.2974	-	-	0.2974	-	0.0360	-	-	0.0360	-
2021	0.2923	-	-	-	-	0.0360	-	-	-	-
2022	0.2820	-	-	-	-	0.0360	-	-	-	-
2023	0.2714	-	-	-	-	0.0360	-	-	-	-
2024	0.2679	-	-	-	-	0.0360	-	-	-	-
2025	0.2644	-	-	-	-	0.0360	-	-	-	-
2026	0.2610	-	-	-	-	0.0360	-	-	-	-
2027	0.2572	-	-	-	-	0.0360	-	-	-	-
2028	0.2538	-	-	-	-	0.0360	-	-	-	-
2029	0.2508	-	-	-	-	0.0360	-	-	-	-
2030	0.2479	-	-	-	-	0.0360	-	-	-	-
2031	0.2452	-	-	-	-	0.0360	-	-	-	-
2032	0.2424	-	-	-	-	0.0360	-	-	-	-
2033	0.2397	-	-	-	-	0.0360	-	-	-	-
2034	0.2367	-	-	-	-	0.0360	-	-	-	-
2035	0.2336	-	-	-	-	0.0360	-	-	-	-
2036	0.2309	-	-	-	-	0.0360	-	-	-	-
2037	0.2281	-	-	-	-	0.0360	-	-	-	-
2038	0.2254	-	-	-	-	0.0360	-	-	-	-
2039	0.2229	-	-	-	-	0.0360	-	-	-	-
2040	0.2204	-	-	-	-	0.0360	-	-	-	-
2041	0.2181					0.0360				
2042	0.2160					0.0360				
2043	0.2141					0.0360				
2044	0.2123					0.0360				
2045	0.2107					0.0360				
2046	0.2092					0.0360				
2047	0.2079					0.0360				
2048	0.2067					0.0360				
2049	0.2057					0.0360				
2050	0.2052					0.0360				
Total		-	-	0.2974	-		-	-	0.0360	-
key for calcul	N2O_RUNEX	N2O_RUNEX	N2O_RUNEX	N2O_RUNEX	N2O_RUNEX	PM10_PMTW	PM10_PMTW	PM10_PMTW-\	PM10_PMTW-We	PM10_PMTW-W
	41	42	43	44	45	46	47	48	49	50

Heavy-Heavy

	/mi)									Break W
Year	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted- Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0090	-	-	-	-	0.0617	-	-	-	-
2015	0.0090	-	-	-	-	0.0617	-	-	-	-
2016	0.0090	-	-	-	-	0.0617	-	-	-	-
2017	0.0090	-	-	-	-	0.0617	-	-	-	-
2018	0.0090	-	-	-	-	0.0617	-	-	-	-
2019	0.0090	-	-	-	-	0.0617	-	-	-	-
2020	0.0090	-	-	0.0090	-	0.0617	-	-	0.0617	-
2021	0.0090	-	-	-	-	0.0617	-	-	-	-
2022	0.0090	-	-	-	-	0.0617	-	-	-	-
2023	0.0090	-	-	-	-	0.0617	-	-	-	-
2024	0.0090	-	-	-	-	0.0617	-	-	-	-
2025	0.0090	-	-	-	-	0.0617	-	-	-	-
2026	0.0090	-	-	-	-	0.0617	-	-	-	-
2027	0.0090	-	-	-	-	0.0617	-	-	-	-
2028	0.0090	-	-	-	-	0.0617	-	-	-	-
2029	0.0090	-	-	-	-	0.0617	-	-	-	-
2030	0.0090	-	-	-	-	0.0617	-	-	-	-
2031	0.0090	-	-	-	-	0.0617	-	-	-	-
2032	0.0090	-	-	-	-	0.0617	-	-	-	-
2033	0.0090	-	-	-	-	0.0617	-	-	-	-
2034	0.0090	-	-	-	-	0.0617	-	-	-	-
2035	0.0090	-	-	-	-	0.0617	-	-	-	-
2036	0.0090	-	-	-	-	0.0617	-	-	-	-
2037	0.0090	-	-	-	-	0.0617	-	-	-	-
2038	0.0090	-	-	-	-	0.0617	-	-	-	-
2039	0.0090	-	-	-	-	0.0617	-	-	-	-
2040	0.0090	-	-	-	-	0.0617	-	-	-	-
2041	0.0090					0.0617				
2042	0.0090					0.0617				
2043	0.0090					0.0617				
2044	0.0090					0.0617				
2045	0.0090					0.0617				
2046	0.0090					0.0617				
2047	0.0090					0.0617				
2048	0.0090					0.0617				
2049	0.0090					0.0617				
2050	0.0090					0.0617				
Total		-	-	0.0090	-		-	-	0.0617	-
key for calcul	PM2_5_PMT\	PM2_5_PMT\	PM2_5_PMT\	PM2_5_PMT\	PM2_5_PMT\	PM10_PMBW	PM10_PMBW	PM10_PMBW	PM10_PMBW	PM10_PMBW
	51	52	53	54	55	56	57	58	59	60

Heavy-Heavy

	ear (g/mi)									
Year	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted- Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0265	-	-	-	-	-	-	-	-	-
2015	0.0265	-	-	-	-	-	-	-	-	-
2016	0.0265	-	-	-	-	-	-	-	-	-
2017	0.0265	-	-	-	-	-	-	-	-	-
2018	0.0265	-	-	-	-	-	-	-	-	-
2019	0.0265	-	-	-	-	-	-	-	-	-
2020	0.0265	-	-	0.0265	-	-	-	-	-	-
2021	0.0265	-	-	-	-	-	-	-	-	-
2022	0.0265	-	-	-	-	-	-	-	-	-
2023	0.0265	-	-	-	-	-	-	-	-	-
2024	0.0265	-	-	-	-	-	-	-	-	-
2025	0.0265	-	-	-	-	-	-	-	-	-
2026	0.0265	-	-	-	-	-	-	-	-	-
2027	0.0265	-	-	-	-	-	-	-	-	-
2028	0.0265	-	-	-	-	-	-	-	-	-
2029	0.0265	-	-	-	-	-	-	-	-	-
2030	0.0265	-	-	-	-	-	-	-	-	-
2031	0.0265	-	-	-	-	-	-	-	-	-
2032	0.0265	-	-	-	-	-	-	-	-	-
2033	0.0265	-	-	-	-	-	-	-	-	-
2034	0.0265	-	-	-	-	-	-	-	-	-
2035	0.0265	-	-	-	-	-	-	-	-	-
2036	0.0265	-	-	-	-	-	-	-	-	-
2037	0.0265	-	-	-	-	-	-	-	-	-
2038	0.0265	-	-	-	-	-	-	-	-	-
2039	0.0265	-	-	-	-	-	-	-	-	-
2040	0.0265	-	-	-	-	-	-	-	-	-
2041	0.0265					-				
2042	0.0265					-				
2043	0.0265					-				
2044	0.0265					-				
2045	0.0265					-				
2046	0.0265					-				
2047	0.0265					-				
2048	0.0265					-				
2049	0.0265					-				
2050	0.0265					-				
Total		-	-	0.0265	-		-	-	-	-
key for calcul	PM2_5_PMB\ 61	PM2_5_PMB\ 62	PM2_5_PMB\ 63	PM2_5_PMB\ 64	PM2_5_PMB\ 65	ROG_STREX 66	ROG_STREX 67	ROG_STREX 68	ROG_STREX 69	ROG_STREX 70

Heavy-Heavy

Year	CO	Wieghted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Wieghted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	0.7041	-	-	-	-
2015	-	-	-	-	-	0.9920	-	-	-	-
2016	-	-	-	-	-	1.3666	-	-	-	-
2017	-	-	-	-	-	1.6510	-	-	-	-
2018	-	-	-	-	-	1.8960	-	-	-	-
2019	-	-	-	-	-	2.1278	-	-	-	-
2020	-	-	-	-	-	3.3137	-	-	3.3137	-
2021	-	-	-	-	-	3.5166	-	-	-	-
2022	-	-	-	-	-	3.9869	-	-	-	-
2023	-	-	-	-	-	4.4297	-	-	-	-
2024	-	-	-	-	-	4.4440	-	-	-	-
2025	-	-	-	-	-	4.4567	-	-	-	-
2026	-	-	-	-	-	4.4677	-	-	-	-
2027	-	-	-	-	-	4.4775	-	-	-	-
2028	-	-	-	-	-	4.4865	-	-	-	-
2029	-	-	-	-	-	4.4948	-	-	-	-
2030	-	-	-	-	-	4.5026	-	-	-	-
2031	-	-	-	-	-	4.5094	-	-	-	-
2032	-	-	-	-	-	4.5159	-	-	-	-
2033	-	-	-	-	-	4.5219	-	-	-	-
2034	-	-	-	-	-	4.5276	-	-	-	-
2035	-	-	-	-	-	4.5330	-	-	-	-
2036	-	-	-	-	-	4.5372	-	-	-	-
2037	-	-	-	-	-	4.5413	-	-	-	-
2038	-	-	-	-	-	4.5447	-	-	-	-
2039	-	-	-	-	-	4.5477	-	-	-	-
2040	-	-	-	-	-	4.5505	-	-	-	-
2041	-					4.5530				
2042	-					4.5550				
2043	-					4.5568				
2044	-					4.5584				
2045	-					4.5598				
2046	-					4.5610				
2047	-					4.5620				
2048	-					4.5629				
2049	-					4.5636				
2050	-					4.5643				
Total		-	-	-	-		-	-	3.3137	-
key for calcul	CO_STREX-(	CO_STREX-\	CO_STREX-\	CO_STREX-\	CO_STREX-\	NOx_STREX-	NOx_STREX-	NOx_STREX-	NOx_STREX-	NOx_STREX-
	71	72	73	74	75	76	77	78	79	80

Heavy-Heavy

	Start Emission Rate (g/trip)									
Year	PM10	Wieghted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-
2041	-					-				
2042	-					-				
2043	-					-				
2044	-					-				
2045	-					-				
2046	-					-				
2047	-					-				
2048	-					-				
2049	-					-				
2050	-					-				
Total		-	-	-	-		-	-	-	-
key for calcul	PM10_STRE	PM10_STRE	PM10_STRE	PM10_STRE	PM10_STRE	PM2_5_STRE	PM2_5_STRE	PM2_5_STRE	PM2_5_STRE	PM2_5_STRE
	81	82	83	84	85	86	87	88	89	90

Heavy-Heavy

Year	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-
2041	-					-				
2042	-					-				
2043	-					-				
2044	-					-				
2045	-					-				
2046	-					-				
2047	-					-				
2048	-					-				
2049	-					-				
2050	-					-				
Total		-	-	-	-		-	-	-	-
key for calcul	SOx_STREX-91	SOx_STREX-92	SOx_STREX-93	SOx_STREX-94	SOx_STREX-95	CO2_STREX-96	CO2_STREX-97	CO2_STREX-98	CO2_STREX-99	CO2_STREX-100

Heavy-Heavy

Year	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-
2041	-					-				
2042	-					-				
2043	-					-				
2044	-					-				
2045	-					-				
2046	-					-				
2047	-					-				
2048	-					-				
2049	-					-				
2050	-					-				
Total		-	-	-	-		-	-	-	-
key for calcul	CH4_STREX-101	CH4_STREX-102	CH4_STREX-103	CH4_STREX-104	CH4_STREX-105	N2O_STREX-106	N2O_STREX-107	N2O_STREX-108	N2O_STREX-109	N2O_STREX-110

Heavy-Heavy

	Hot Soak (g/trip)					Evaporative Running Loss (g/trip)				
Year	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted- Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-
2041	-					-				
2042	-					-				
2043	-					-				
2044	-					-				
2045	-					-				
2046	-					-				
2047	-					-				
2048	-					-				
2049	-					-				
2050	-					-				
Total		-	-	-	-		-	-	-	-
key for calcul	ROG_HOTSOAK-RC	ROG_HOTSOAK-We	ROG_HOTSC	ROG_HOTSC	ROG_HOTSC	ROG_RUNLC	ROG_RUNLC	ROG_RUNLC	ROG_RUNLC	ROG_RUNLC
	111	112	113	114	115	116	117	118	119	120

Light Duty Truck

Worker Commute Truck Emissions (EMFAC2017 - web 1.0.2, weighted LDT1 and LDT2 emission factor based on VMT and trips)

Year	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0055	-	-	-	-	0.5214	-	-	-	-
2015	0.0055	-	-	-	-	0.5173	-	-	-	-
2016	0.0055	-	-	-	-	0.5163	-	-	-	-
2017	0.0056	-	-	-	-	0.5153	-	-	-	-
2018	0.0056	-	-	-	-	0.5147	-	-	-	-
2019	0.0055	-	-	-	-	0.5170	-	-	-	-
2020	0.0054	-	-	0.0054	-	0.5158	-	-	0.5158	-
2021	0.0052	-	-	-	-	0.5136	-	-	-	-
2022	0.0051	-	-	-	-	0.5106	-	-	-	-
2023	0.0049	-	-	-	-	0.5066	-	-	-	-
2024	0.0047	-	-	-	-	0.5012	-	-	-	-
2025	0.0044	-	-	-	-	0.4942	-	-	-	-
2026	0.0042	-	-	-	-	0.4875	-	-	-	-
2027	0.0040	-	-	-	-	0.4813	-	-	-	-
2028	0.0038	-	-	-	-	0.4755	-	-	-	-
2029	0.0036	-	-	-	-	0.4701	-	-	-	-
2030	0.0035	-	-	-	-	0.4650	-	-	-	-
2031	0.0033	-	-	-	-	0.4603	-	-	-	-
2032	0.0032	-	-	-	-	0.4560	-	-	-	-
2033	0.0030	-	-	-	-	0.4521	-	-	-	-
2034	0.0029	-	-	-	-	0.4485	-	-	-	-
2035	0.0028	-	-	-	-	0.4452	-	-	-	-
2036	0.0027	-	-	-	-	0.4423	-	-	-	-
2037	0.0026	-	-	-	-	0.4397	-	-	-	-
2038	0.0026	-	-	-	-	0.4375	-	-	-	-
2039	0.0025	-	-	-	-	0.4355	-	-	-	-
2040	0.0024	-	-	-	-	0.4338	-	-	-	-
2041	0.0024					0.4323				
2042	0.0024					0.4310				
2043	0.0023					0.4300				
2044	0.0023					0.4291				
2045	0.0023					0.4283				
2046	0.0023					0.4277				
2047	0.0023					0.4272				
2048	0.0022					0.4268				
2049	0.0022					0.4265				
2050	0.0022					0.4262				
Total		-	-	0.0054	-		-	-	0.5158	-

Light Duty T

Year	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0236	-	-	-	-	0.0008	-	-	-	-
2015	0.0237	-	-	-	-	0.0010	-	-	-	-
2016	0.0238	-	-	-	-	0.0012	-	-	-	-
2017	0.0239	-	-	-	-	0.0013	-	-	-	-
2018	0.0239	-	-	-	-	0.0015	-	-	-	-
2019	0.0236	-	-	-	-	0.0015	-	-	-	-
2020	0.0232	-	-	0.0232	-	0.0016	-	-	0.0016	-
2021	0.0226	-	-	-	-	0.0015	-	-	-	-
2022	0.0220	-	-	-	-	0.0015	-	-	-	-
2023	0.0213	-	-	-	-	0.0014	-	-	-	-
2024	0.0205	-	-	-	-	0.0014	-	-	-	-
2025	0.0199	-	-	-	-	0.0013	-	-	-	-
2026	0.0193	-	-	-	-	0.0013	-	-	-	-
2027	0.0188	-	-	-	-	0.0012	-	-	-	-
2028	0.0184	-	-	-	-	0.0011	-	-	-	-
2029	0.0181	-	-	-	-	0.0011	-	-	-	-
2030	0.0178	-	-	-	-	0.0010	-	-	-	-
2031	0.0175	-	-	-	-	0.0010	-	-	-	-
2032	0.0174	-	-	-	-	0.0009	-	-	-	-
2033	0.0172	-	-	-	-	0.0009	-	-	-	-
2034	0.0171	-	-	-	-	0.0008	-	-	-	-
2035	0.0171	-	-	-	-	0.0008	-	-	-	-
2036	0.0170	-	-	-	-	0.0007	-	-	-	-
2037	0.0170	-	-	-	-	0.0007	-	-	-	-
2038	0.0171	-	-	-	-	0.0007	-	-	-	-
2039	0.0171	-	-	-	-	0.0006	-	-	-	-
2040	0.0171	-	-	-	-	0.0006	-	-	-	-
2041	0.0171					0.0006				
2042	0.0172					0.0006				
2043	0.0172					0.0006				
2044	0.0173					0.0006				
2045	0.0173					0.0006				
2046	0.0173					0.0005				
2047	0.0174					0.0005				
2048	0.0174					0.0005				
2049	0.0174					0.0005				
2050	0.0174					0.0005				
Total		-	-	0.0232	-		-	-	0.0016	-

Light Duty T

Year	Running Exhaust (g/mi)									
	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0007	-	-	-	-	0.0035	-	-	-	-
2015	0.0009	-	-	-	-	0.0035	-	-	-	-
2016	0.0011	-	-	-	-	0.0034	-	-	-	-
2017	0.0012	-	-	-	-	0.0033	-	-	-	-
2018	0.0013	-	-	-	-	0.0033	-	-	-	-
2019	0.0014	-	-	-	-	0.0032	-	-	-	-
2020	0.0014	-	-	0.0014	-	0.0031	-	-	0.0031	-
2021	0.0014	-	-	-	-	0.0030	-	-	-	-
2022	0.0013	-	-	-	-	0.0030	-	-	-	-
2023	0.0013	-	-	-	-	0.0029	-	-	-	-
2024	0.0012	-	-	-	-	0.0028	-	-	-	-
2025	0.0012	-	-	-	-	0.0027	-	-	-	-
2026	0.0012	-	-	-	-	0.0027	-	-	-	-
2027	0.0011	-	-	-	-	0.0026	-	-	-	-
2028	0.0010	-	-	-	-	0.0025	-	-	-	-
2029	0.0010	-	-	-	-	0.0025	-	-	-	-
2030	0.0009	-	-	-	-	0.0024	-	-	-	-
2031	0.0009	-	-	-	-	0.0024	-	-	-	-
2032	0.0008	-	-	-	-	0.0023	-	-	-	-
2033	0.0008	-	-	-	-	0.0023	-	-	-	-
2034	0.0007	-	-	-	-	0.0023	-	-	-	-
2035	0.0007	-	-	-	-	0.0022	-	-	-	-
2036	0.0007	-	-	-	-	0.0022	-	-	-	-
2037	0.0006	-	-	-	-	0.0022	-	-	-	-
2038	0.0006	-	-	-	-	0.0022	-	-	-	-
2039	0.0006	-	-	-	-	0.0022	-	-	-	-
2040	0.0006	-	-	-	-	0.0021	-	-	-	-
2041	0.0006					0.0021				
2042	0.0005					0.0021				
2043	0.0005					0.0021				
2044	0.0005					0.0021				
2045	0.0005					0.0021				
2046	0.0005					0.0021				
2047	0.0005					0.0021				
2048	0.0005					0.0021				
2049	0.0005					0.0021				
2050	0.0005					0.0021				
Total		-	-	0.0014	-		-	-	0.0031	-

Light Duty Tr

Year	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	353.38	-	-	-	-	0.0018	-	-	-	-
2015	349.28	-	-	-	-	0.0018	-	-	-	-
2016	343.43	-	-	-	-	0.0018	-	-	-	-
2017	337.47	-	-	-	-	0.0018	-	-	-	-
2018	331.04	-	-	-	-	0.0018	-	-	-	-
2019	322.34	-	-	-	-	0.0017	-	-	-	-
2020	315.14	-	-	315.1385	-	0.0017	-	-	0.0017	-
2021	307.43	-	-	-	-	0.0017	-	-	-	-
2022	299.62	-	-	-	-	0.0016	-	-	-	-
2023	291.71	-	-	-	-	0.0015	-	-	-	-
2024	283.70	-	-	-	-	0.0015	-	-	-	-
2025	275.55	-	-	-	-	0.0014	-	-	-	-
2026	268.08	-	-	-	-	0.0013	-	-	-	-
2027	261.26	-	-	-	-	0.0013	-	-	-	-
2028	255.05	-	-	-	-	0.0012	-	-	-	-
2029	249.40	-	-	-	-	0.0012	-	-	-	-
2030	244.29	-	-	-	-	0.0011	-	-	-	-
2031	239.67	-	-	-	-	0.0011	-	-	-	-
2032	235.53	-	-	-	-	0.0010	-	-	-	-
2033	231.85	-	-	-	-	0.0010	-	-	-	-
2034	228.60	-	-	-	-	0.0009	-	-	-	-
2035	225.74	-	-	-	-	0.0009	-	-	-	-
2036	223.25	-	-	-	-	0.0009	-	-	-	-
2037	221.10	-	-	-	-	0.0009	-	-	-	-
2038	219.24	-	-	-	-	0.0008	-	-	-	-
2039	217.66	-	-	-	-	0.0008	-	-	-	-
2040	216.31	-	-	-	-	0.0008	-	-	-	-
2041	215.17					0.0008				
2042	214.22					0.0008				
2043	213.42					0.0008				
2044	212.76					0.0008				
2045	212.22					0.0008				
2046	211.77					0.0008				
2047	211.41					0.0008				
2048	211.10					0.0008				
2049	210.85					0.0007				
2050	210.65					0.0007				
Total		-	-	315.1385	-		-	-	0.0017	-

Light Duty T

Year	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
										Tire Wear (g
2014	0.0040	-	-	-	-	0.0080	-	-	-	-
2015	0.0040	-	-	-	-	0.0080	-	-	-	-
2016	0.0040	-	-	-	-	0.0080	-	-	-	-
2017	0.0040	-	-	-	-	0.0080	-	-	-	-
2018	0.0040	-	-	-	-	0.0080	-	-	-	-
2019	0.0039	-	-	-	-	0.0080	-	-	-	-
2020	0.0039	-	-	0.0039	-	0.0080	-	-	0.0080	-
2021	0.0038	-	-	-	-	0.0080	-	-	-	-
2022	0.0037	-	-	-	-	0.0080	-	-	-	-
2023	0.0036	-	-	-	-	0.0080	-	-	-	-
2024	0.0035	-	-	-	-	0.0080	-	-	-	-
2025	0.0034	-	-	-	-	0.0080	-	-	-	-
2026	0.0034	-	-	-	-	0.0080	-	-	-	-
2027	0.0033	-	-	-	-	0.0080	-	-	-	-
2028	0.0032	-	-	-	-	0.0080	-	-	-	-
2029	0.0032	-	-	-	-	0.0080	-	-	-	-
2030	0.0032	-	-	-	-	0.0080	-	-	-	-
2031	0.0031	-	-	-	-	0.0080	-	-	-	-
2032	0.0031	-	-	-	-	0.0080	-	-	-	-
2033	0.0031	-	-	-	-	0.0080	-	-	-	-
2034	0.0031	-	-	-	-	0.0080	-	-	-	-
2035	0.0031	-	-	-	-	0.0080	-	-	-	-
2036	0.0031	-	-	-	-	0.0080	-	-	-	-
2037	0.0031	-	-	-	-	0.0080	-	-	-	-
2038	0.0031	-	-	-	-	0.0080	-	-	-	-
2039	0.0031	-	-	-	-	0.0080	-	-	-	-
2040	0.0031	-	-	-	-	0.0080	-	-	-	-
2041	0.0031					0.0080				
2042	0.0031					0.0080				
2043	0.0031					0.0080				
2044	0.0031					0.0080				
2045	0.0031					0.0080				
2046	0.0031					0.0080				
2047	0.0031					0.0080				
2048	0.0031					0.0080				
2049	0.0031					0.0080				
2050	0.0031					0.0080				
Total		-	-	0.0039	-		-	-	0.0080	-

Light Duty T

Year	/mi) PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Break We Weighted - Paving
2014	0.0020	-	-	-	-	0.0368	-	-	-	-
2015	0.0020	-	-	-	-	0.0368	-	-	-	-
2016	0.0020	-	-	-	-	0.0368	-	-	-	-
2017	0.0020	-	-	-	-	0.0368	-	-	-	-
2018	0.0020	-	-	-	-	0.0368	-	-	-	-
2019	0.0020	-	-	-	-	0.0368	-	-	-	-
2020	0.0020	-	-	0.0020	-	0.0368	-	-	0.0368	-
2021	0.0020	-	-	-	-	0.0368	-	-	-	-
2022	0.0020	-	-	-	-	0.0368	-	-	-	-
2023	0.0020	-	-	-	-	0.0368	-	-	-	-
2024	0.0020	-	-	-	-	0.0368	-	-	-	-
2025	0.0020	-	-	-	-	0.0368	-	-	-	-
2026	0.0020	-	-	-	-	0.0368	-	-	-	-
2027	0.0020	-	-	-	-	0.0368	-	-	-	-
2028	0.0020	-	-	-	-	0.0368	-	-	-	-
2029	0.0020	-	-	-	-	0.0368	-	-	-	-
2030	0.0020	-	-	-	-	0.0368	-	-	-	-
2031	0.0020	-	-	-	-	0.0368	-	-	-	-
2032	0.0020	-	-	-	-	0.0368	-	-	-	-
2033	0.0020	-	-	-	-	0.0368	-	-	-	-
2034	0.0020	-	-	-	-	0.0368	-	-	-	-
2035	0.0020	-	-	-	-	0.0368	-	-	-	-
2036	0.0020	-	-	-	-	0.0368	-	-	-	-
2037	0.0020	-	-	-	-	0.0368	-	-	-	-
2038	0.0020	-	-	-	-	0.0368	-	-	-	-
2039	0.0020	-	-	-	-	0.0368	-	-	-	-
2040	0.0020	-	-	-	-	0.0368	-	-	-	-
2041	0.0020					0.0368				
2042	0.0020					0.0368				
2043	0.0020					0.0368				
2044	0.0020					0.0368				
2045	0.0020					0.0368				
2046	0.0020					0.0368				
2047	0.0020					0.0368				
2048	0.0020					0.0368				
2049	0.0020					0.0368				
2050	0.0020					0.0368				
Total		-	-	0.0020	-		-	-	0.0368	-

Light Duty T

Year	ear (g/mi) PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0158	-	-	-	-	0.2121	-	-	-	-
2015	0.0158	-	-	-	-	0.2115	-	-	-	-
2016	0.0158	-	-	-	-	0.2121	-	-	-	-
2017	0.0158	-	-	-	-	0.2124	-	-	-	-
2018	0.0158	-	-	-	-	0.2118	-	-	-	-
2019	0.0158	-	-	-	-	0.2093	-	-	-	-
2020	0.0158	-	-	0.0158	-	0.2048	-	-	0.2048	-
2021	0.0158	-	-	-	-	0.1989	-	-	-	-
2022	0.0158	-	-	-	-	0.1919	-	-	-	-
2023	0.0158	-	-	-	-	0.1841	-	-	-	-
2024	0.0158	-	-	-	-	0.1757	-	-	-	-
2025	0.0158	-	-	-	-	0.1669	-	-	-	-
2026	0.0158	-	-	-	-	0.1587	-	-	-	-
2027	0.0158	-	-	-	-	0.1509	-	-	-	-
2028	0.0158	-	-	-	-	0.1436	-	-	-	-
2029	0.0158	-	-	-	-	0.1368	-	-	-	-
2030	0.0158	-	-	-	-	0.1304	-	-	-	-
2031	0.0158	-	-	-	-	0.1244	-	-	-	-
2032	0.0158	-	-	-	-	0.1189	-	-	-	-
2033	0.0158	-	-	-	-	0.1138	-	-	-	-
2034	0.0158	-	-	-	-	0.1092	-	-	-	-
2035	0.0158	-	-	-	-	0.1050	-	-	-	-
2036	0.0158	-	-	-	-	0.1013	-	-	-	-
2037	0.0158	-	-	-	-	0.0979	-	-	-	-
2038	0.0158	-	-	-	-	0.0949	-	-	-	-
2039	0.0158	-	-	-	-	0.0923	-	-	-	-
2040	0.0158	-	-	-	-	0.0900	-	-	-	-
2041	0.0158					0.0880				
2042	0.0158					0.0863				
2043	0.0158					0.0848				
2044	0.0158					0.0836				
2045	0.0158					0.0825				
2046	0.0158					0.0816				
2047	0.0158					0.0809				
2048	0.0158					0.0802				
2049	0.0158					0.0797				
2050	0.0158					0.0792				
Total		-	-	0.0158	-		-	-	0.2048	-

Light Duty T

Year	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	2.3878	-	-	-	-	0.1793	-	-	-	-
2015	2.3787	-	-	-	-	0.1796	-	-	-	-
2016	2.3863	-	-	-	-	0.1806	-	-	-	-
2017	2.3892	-	-	-	-	0.1813	-	-	-	-
2018	2.3916	-	-	-	-	0.1812	-	-	-	-
2019	2.3924	-	-	-	-	0.1795	-	-	-	-
2020	2.3888	-	-	2.3888	-	0.1761	-	-	0.1761	-
2021	2.3771	-	-	-	-	0.1716	-	-	-	-
2022	2.3586	-	-	-	-	0.1663	-	-	-	-
2023	2.3317	-	-	-	-	0.1605	-	-	-	-
2024	2.2936	-	-	-	-	0.1544	-	-	-	-
2025	2.2429	-	-	-	-	0.1484	-	-	-	-
2026	2.1932	-	-	-	-	0.1430	-	-	-	-
2027	2.1465	-	-	-	-	0.1382	-	-	-	-
2028	2.1025	-	-	-	-	0.1341	-	-	-	-
2029	2.0608	-	-	-	-	0.1305	-	-	-	-
2030	2.0215	-	-	-	-	0.1274	-	-	-	-
2031	1.9847	-	-	-	-	0.1247	-	-	-	-
2032	1.9502	-	-	-	-	0.1225	-	-	-	-
2033	1.9180	-	-	-	-	0.1207	-	-	-	-
2034	1.8882	-	-	-	-	0.1193	-	-	-	-
2035	1.8608	-	-	-	-	0.1183	-	-	-	-
2036	1.8359	-	-	-	-	0.1175	-	-	-	-
2037	1.8134	-	-	-	-	0.1170	-	-	-	-
2038	1.7932	-	-	-	-	0.1167	-	-	-	-
2039	1.7752	-	-	-	-	0.1166	-	-	-	-
2040	1.7592	-	-	-	-	0.1166	-	-	-	-
2041	1.7451					0.1167				
2042	1.7329					0.1169				
2043	1.7222					0.1171				
2044	1.7131					0.1174				
2045	1.7053					0.1177				
2046	1.6987					0.1180				
2047	1.6931					0.1182				
2048	1.6882					0.1185				
2049	1.6842					0.1188				
2050	1.6808					0.1190				
Total		-	-	2.3888	-		-	-	0.1761	-

Light Duty T

							Start Emission Rate (g/trip)			
Year	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0009	-	-	-	-	0.0008	-	-	-	-
2015	0.0012	-	-	-	-	0.0011	-	-	-	-
2016	0.0014	-	-	-	-	0.0013	-	-	-	-
2017	0.0016	-	-	-	-	0.0015	-	-	-	-
2018	0.0017	-	-	-	-	0.0016	-	-	-	-
2019	0.0019	-	-	-	-	0.0017	-	-	-	-
2020	0.0019	-	-	0.0019	-	0.0017	-	-	0.0017	-
2021	0.0018	-	-	-	-	0.0017	-	-	-	-
2022	0.0018	-	-	-	-	0.0016	-	-	-	-
2023	0.0017	-	-	-	-	0.0016	-	-	-	-
2024	0.0017	-	-	-	-	0.0016	-	-	-	-
2025	0.0016	-	-	-	-	0.0015	-	-	-	-
2026	0.0016	-	-	-	-	0.0015	-	-	-	-
2027	0.0015	-	-	-	-	0.0014	-	-	-	-
2028	0.0015	-	-	-	-	0.0013	-	-	-	-
2029	0.0014	-	-	-	-	0.0013	-	-	-	-
2030	0.0013	-	-	-	-	0.0012	-	-	-	-
2031	0.0012	-	-	-	-	0.0011	-	-	-	-
2032	0.0012	-	-	-	-	0.0011	-	-	-	-
2033	0.0011	-	-	-	-	0.0010	-	-	-	-
2034	0.0011	-	-	-	-	0.0010	-	-	-	-
2035	0.0010	-	-	-	-	0.0009	-	-	-	-
2036	0.0010	-	-	-	-	0.0009	-	-	-	-
2037	0.0009	-	-	-	-	0.0008	-	-	-	-
2038	0.0009	-	-	-	-	0.0008	-	-	-	-
2039	0.0008	-	-	-	-	0.0008	-	-	-	-
2040	0.0008	-	-	-	-	0.0007	-	-	-	-
2041	0.0008					0.0007				
2042	0.0008					0.0007				
2043	0.0007					0.0007				
2044	0.0007					0.0007				
2045	0.0007					0.0006				
2046	0.0007					0.0006				
2047	0.0007					0.0006				
2048	0.0007					0.0006				
2049	0.0007					0.0006				
2050	0.0006					0.0006				
Total		-	-	0.0019	-		-	-	0.0017	-

Light Duty T

Year	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0007	-	-	-	-	71.5453	-	-	-	-
2015	0.0007	-	-	-	-	70.7620	-	-	-	-
2016	0.0007	-	-	-	-	69.7925	-	-	-	-
2017	0.0007	-	-	-	-	68.6812	-	-	-	-
2018	0.0007	-	-	-	-	67.4974	-	-	-	-
2019	0.0007	-	-	-	-	66.2486	-	-	-	-
2020	0.0006	-	-	0.0006	-	64.9190	-	-	64.9190	-
2021	0.0006	-	-	-	-	63.4811	-	-	-	-
2022	0.0006	-	-	-	-	62.0066	-	-	-	-
2023	0.0006	-	-	-	-	60.5066	-	-	-	-
2024	0.0006	-	-	-	-	58.9709	-	-	-	-
2025	0.0006	-	-	-	-	57.3899	-	-	-	-
2026	0.0006	-	-	-	-	55.9103	-	-	-	-
2027	0.0005	-	-	-	-	54.5453	-	-	-	-
2028	0.0005	-	-	-	-	53.2859	-	-	-	-
2029	0.0005	-	-	-	-	52.1198	-	-	-	-
2030	0.0005	-	-	-	-	51.0424	-	-	-	-
2031	0.0005	-	-	-	-	50.0528	-	-	-	-
2032	0.0005	-	-	-	-	49.1463	-	-	-	-
2033	0.0005	-	-	-	-	48.3226	-	-	-	-
2034	0.0005	-	-	-	-	47.5785	-	-	-	-
2035	0.0005	-	-	-	-	46.9103	-	-	-	-
2036	0.0005	-	-	-	-	46.3151	-	-	-	-
2037	0.0005	-	-	-	-	45.7863	-	-	-	-
2038	0.0004	-	-	-	-	45.3189	-	-	-	-
2039	0.0004	-	-	-	-	44.9084	-	-	-	-
2040	0.0004	-	-	-	-	44.5496	-	-	-	-
2041	0.0004					44.2385				
2042	0.0004					43.9709				
2043	0.0004					43.7416				
2044	0.0004					43.5464				
2045	0.0004					43.3816				
2046	0.0004					43.2416				
2047	0.0004					43.1239				
2048	0.0004					43.0238				
2049	0.0004					42.9400				
2050	0.0004					42.8701				
Total		-	-	0.0006	-		-	-	64.9190	-

Light Duty T

Year	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0532	-	-	-	-	0.0283	-	-	-	-
2015	0.0531	-	-	-	-	0.0284	-	-	-	-
2016	0.0533	-	-	-	-	0.0286	-	-	-	-
2017	0.0532	-	-	-	-	0.0285	-	-	-	-
2018	0.0529	-	-	-	-	0.0284	-	-	-	-
2019	0.0522	-	-	-	-	0.0281	-	-	-	-
2020	0.0511	-	-	0.0511	-	0.0276	-	-	0.0276	-
2021	0.0496	-	-	-	-	0.0269	-	-	-	-
2022	0.0479	-	-	-	-	0.0262	-	-	-	-
2023	0.0460	-	-	-	-	0.0253	-	-	-	-
2024	0.0440	-	-	-	-	0.0244	-	-	-	-
2025	0.0419	-	-	-	-	0.0236	-	-	-	-
2026	0.0399	-	-	-	-	0.0228	-	-	-	-
2027	0.0380	-	-	-	-	0.0221	-	-	-	-
2028	0.0363	-	-	-	-	0.0215	-	-	-	-
2029	0.0347	-	-	-	-	0.0210	-	-	-	-
2030	0.0332	-	-	-	-	0.0205	-	-	-	-
2031	0.0318	-	-	-	-	0.0202	-	-	-	-
2032	0.0305	-	-	-	-	0.0199	-	-	-	-
2033	0.0293	-	-	-	-	0.0196	-	-	-	-
2034	0.0283	-	-	-	-	0.0194	-	-	-	-
2035	0.0273	-	-	-	-	0.0192	-	-	-	-
2036	0.0264	-	-	-	-	0.0191	-	-	-	-
2037	0.0257	-	-	-	-	0.0190	-	-	-	-
2038	0.0250	-	-	-	-	0.0190	-	-	-	-
2039	0.0244	-	-	-	-	0.0189	-	-	-	-
2040	0.0239	-	-	-	-	0.0189	-	-	-	-
2041	0.0234					0.0189				
2042	0.0231					0.0189				
2043	0.0227					0.0189				
2044	0.0224					0.0189				
2045	0.0222					0.0189				
2046	0.0220					0.0189				
2047	0.0218					0.0189				
2048	0.0217					0.0189				
2049	0.0215					0.0189				
2050	0.0214					0.0189				
Total		-	-	0.0511	-		-	-	0.0276	-

Light Duty Tr

Year	Hot Soak (g/trip)					Evaporative Running Loss (g/trip)				
	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0141	-	-	-	-	0.0484	-	-	-	-
2015	0.0160	-	-	-	-	0.0564	-	-	-	-
2016	0.0184	-	-	-	-	0.0647	-	-	-	-
2017	0.0217	-	-	-	-	0.0784	-	-	-	-
2018	0.0253	-	-	-	-	0.0980	-	-	-	-
2019	0.0291	-	-	-	-	0.1174	-	-	-	-
2020	0.0330	-	-	0.0330	-	0.1377	-	-	0.1377	-
2021	0.0369	-	-	-	-	0.1566	-	-	-	-
2022	0.0406	-	-	-	-	0.1752	-	-	-	-
2023	0.0440	-	-	-	-	0.1921	-	-	-	-
2024	0.0470	-	-	-	-	0.2066	-	-	-	-
2025	0.0495	-	-	-	-	0.2174	-	-	-	-
2026	0.0514	-	-	-	-	0.2256	-	-	-	-
2027	0.0528	-	-	-	-	0.2310	-	-	-	-
2028	0.0538	-	-	-	-	0.2345	-	-	-	-
2029	0.0542	-	-	-	-	0.2356	-	-	-	-
2030	0.0543	-	-	-	-	0.2349	-	-	-	-
2031	0.0540	-	-	-	-	0.2329	-	-	-	-
2032	0.0535	-	-	-	-	0.2298	-	-	-	-
2033	0.0528	-	-	-	-	0.2260	-	-	-	-
2034	0.0519	-	-	-	-	0.2218	-	-	-	-
2035	0.0510	-	-	-	-	0.2173	-	-	-	-
2036	0.0500	-	-	-	-	0.2126	-	-	-	-
2037	0.0490	-	-	-	-	0.2080	-	-	-	-
2038	0.0480	-	-	-	-	0.2034	-	-	-	-
2039	0.0471	-	-	-	-	0.1991	-	-	-	-
2040	0.0462	-	-	-	-	0.1949	-	-	-	-
2041	0.0453					0.1911				
2042	0.0446					0.1876				
2043	0.0439					0.1845				
2044	0.0433					0.1816				
2045	0.0428					0.1792				
2046	0.0424					0.1771				
2047	0.0421					0.1753				
2048	0.0418					0.1738				
2049	0.0416					0.1726				
2050	0.0414					0.1715				
Total		-	-	0.0330	-		-	-	0.1377	-

Heavy-Heavy Duty Diesel Truck

Water Truck Commute Emissions (EMFAC2017 - web 1.0.2, T7 Single Unit Construction Truck)

Year	ROG	Weighted-Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted-Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0583	-	-	-	-	0.4129	-	-	-	-
2015	0.0529	-	-	-	-	0.4082	-	-	-	-
2016	0.0508	-	-	-	-	0.4094	-	-	-	-
2017	0.0476	-	-	-	-	0.4102	-	-	-	-
2018	0.0457	-	-	-	-	0.4130	-	-	-	-
2019	0.0444	-	-	-	-	0.4157	-	-	-	-
2020	0.0425	-	-	0.0425	-	0.4199	-	-	0.4199	-
2021	0.0418	-	-	-	-	0.4228	-	-	-	-
2022	0.0402	-	-	-	-	0.4233	-	-	-	-
2023	0.0291	-	-	-	-	0.4046	-	-	-	-
2024	0.0294	-	-	-	-	0.4082	-	-	-	-
2025	0.0296	-	-	-	-	0.4118	-	-	-	-
2026	0.0298	-	-	-	-	0.4149	-	-	-	-
2027	0.0300	-	-	-	-	0.4172	-	-	-	-
2028	0.0302	-	-	-	-	0.4197	-	-	-	-
2029	0.0303	-	-	-	-	0.4221	-	-	-	-
2030	0.0305	-	-	-	-	0.4243	-	-	-	-
2031	0.0306	-	-	-	-	0.4263	-	-	-	-
2032	0.0307	-	-	-	-	0.4279	-	-	-	-
2033	0.0308	-	-	-	-	0.4291	-	-	-	-
2034	0.0309	-	-	-	-	0.4297	-	-	-	-
2035	0.0309	-	-	-	-	0.4299	-	-	-	-
2036	0.0309	-	-	-	-	0.4301	-	-	-	-
2037	0.0309	-	-	-	-	0.4302	-	-	-	-
2038	0.0309	-	-	-	-	0.4301	-	-	-	-
2039	0.0309	-	-	-	-	0.4301	-	-	-	-
2040	0.0309	-	-	-	-	0.4300	-	-	-	-
2041	0.0309					0.4298				
2042	0.0309					0.4297				
2043	0.0308					0.4295				
2044	0.0308					0.4294				
2045	0.0308					0.4294				
2046	0.0308					0.4293				
2047	0.0308					0.4292				
2048	0.0308					0.4292				
2049	0.0308					0.4291				
2050	0.0308					0.4291				
Total		-	-	0.0425	-		-	-	0.4199	-

Heavy-Heavy

Year	NOx	Weighted-Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted-Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	2.9101	-	-	-	-	0.0122	-	-	-	-
2015	2.8491	-	-	-	-	0.0122	-	-	-	-
2016	2.8549	-	-	-	-	0.0124	-	-	-	-
2017	2.8769	-	-	-	-	0.0126	-	-	-	-
2018	2.9175	-	-	-	-	0.0130	-	-	-	-
2019	2.9546	-	-	-	-	0.0133	-	-	-	-
2020	3.0272	-	-	3.0272	-	0.0138	-	-	0.0138	-
2021	3.0635	-	-	-	-	0.0141	-	-	-	-
2022	3.0792	-	-	-	-	0.0143	-	-	-	-
2023	2.9826	-	-	-	-	0.0134	-	-	-	-
2024	3.0228	-	-	-	-	0.0137	-	-	-	-
2025	3.0634	-	-	-	-	0.0141	-	-	-	-
2026	3.0980	-	-	-	-	0.0143	-	-	-	-
2027	3.1232	-	-	-	-	0.0145	-	-	-	-
2028	3.1503	-	-	-	-	0.0147	-	-	-	-
2029	3.1777	-	-	-	-	0.0149	-	-	-	-
2030	3.2028	-	-	-	-	0.0151	-	-	-	-
2031	3.2255	-	-	-	-	0.0153	-	-	-	-
2032	3.2430	-	-	-	-	0.0154	-	-	-	-
2033	3.2559	-	-	-	-	0.0155	-	-	-	-
2034	3.2619	-	-	-	-	0.0156	-	-	-	-
2035	3.2635	-	-	-	-	0.0156	-	-	-	-
2036	3.2652	-	-	-	-	0.0156	-	-	-	-
2037	3.2648	-	-	-	-	0.0156	-	-	-	-
2038	3.2639	-	-	-	-	0.0156	-	-	-	-
2039	3.2635	-	-	-	-	0.0156	-	-	-	-
2040	3.2612	-	-	-	-	0.0156	-	-	-	-
2041	3.2588					0.0156				
2042	3.2571					0.0156				
2043	3.2551					0.0156				
2044	3.2535					0.0156				
2045	3.2526					0.0156				
2046	3.2514					0.0156				
2047	3.2507					0.0155				
2048	3.2500					0.0155				
2049	3.2496					0.0155				
2050	3.2496					0.0155				
Total		-	-	3.0272	-		-	-	0.0138	-

Heavy-Heavy

	Running Exhaust (g/mi)									
Year	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0117	-	-	-	-	0.0183	-	-	-	-
2015	0.0116	-	-	-	-	0.0177	-	-	-	-
2016	0.0118	-	-	-	-	0.0174	-	-	-	-
2017	0.0121	-	-	-	-	0.0172	-	-	-	-
2018	0.0124	-	-	-	-	0.0171	-	-	-	-
2019	0.0128	-	-	-	-	0.0170	-	-	-	-
2020	0.0132	-	-	0.0132	-	0.0170	-	-	0.0170	-
2021	0.0135	-	-	-	-	0.0168	-	-	-	-
2022	0.0137	-	-	-	-	0.0165	-	-	-	-
2023	0.0129	-	-	-	-	0.0162	-	-	-	-
2024	0.0132	-	-	-	-	0.0160	-	-	-	-
2025	0.0134	-	-	-	-	0.0158	-	-	-	-
2026	0.0137	-	-	-	-	0.0156	-	-	-	-
2027	0.0139	-	-	-	-	0.0154	-	-	-	-
2028	0.0141	-	-	-	-	0.0152	-	-	-	-
2029	0.0143	-	-	-	-	0.0150	-	-	-	-
2030	0.0145	-	-	-	-	0.0149	-	-	-	-
2031	0.0146	-	-	-	-	0.0147	-	-	-	-
2032	0.0148	-	-	-	-	0.0145	-	-	-	-
2033	0.0148	-	-	-	-	0.0144	-	-	-	-
2034	0.0149	-	-	-	-	0.0142	-	-	-	-
2035	0.0149	-	-	-	-	0.0140	-	-	-	-
2036	0.0149	-	-	-	-	0.0139	-	-	-	-
2037	0.0149	-	-	-	-	0.0137	-	-	-	-
2038	0.0149	-	-	-	-	0.0135	-	-	-	-
2039	0.0149	-	-	-	-	0.0134	-	-	-	-
2040	0.0149	-	-	-	-	0.0132	-	-	-	-
2041	0.0149					0.0131				
2042	0.0149					0.0130				
2043	0.0149					0.0129				
2044	0.0149					0.0128				
2045	0.0149					0.0127				
2046	0.0149					0.0126				
2047	0.0149					0.0125				
2048	0.0149					0.0124				
2049	0.0149					0.0124				
2050	0.0149					0.0123				
Total		-	-	0.0132	-		-	-	0.0170	-

Heavy-Heavy

Year	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	1937.60	-	-	-	-	0.0027	-	-	-	-
2015	1877.04	-	-	-	-	0.0025	-	-	-	-
2016	1844.79	-	-	-	-	0.0024	-	-	-	-
2017	1825.38	-	-	-	-	0.0022	-	-	-	-
2018	1810.07	-	-	-	-	0.0021	-	-	-	-
2019	1795.97	-	-	-	-	0.0021	-	-	-	-
2020	1801.75	-	-	1,801.7545	-	0.0020	-	-	0.0020	-
2021	1779.29	-	-	-	-	0.0019	-	-	-	-
2022	1748.57	-	-	-	-	0.0019	-	-	-	-
2023	1714.99	-	-	-	-	0.0014	-	-	-	-
2024	1693.55	-	-	-	-	0.0014	-	-	-	-
2025	1672.88	-	-	-	-	0.0014	-	-	-	-
2026	1652.48	-	-	-	-	0.0014	-	-	-	-
2027	1629.11	-	-	-	-	0.0014	-	-	-	-
2028	1608.15	-	-	-	-	0.0014	-	-	-	-
2029	1590.08	-	-	-	-	0.0014	-	-	-	-
2030	1572.50	-	-	-	-	0.0014	-	-	-	-
2031	1555.80	-	-	-	-	0.0014	-	-	-	-
2032	1538.95	-	-	-	-	0.0014	-	-	-	-
2033	1521.81	-	-	-	-	0.0014	-	-	-	-
2034	1503.26	-	-	-	-	0.0014	-	-	-	-
2035	1484.35	-	-	-	-	0.0014	-	-	-	-
2036	1466.95	-	-	-	-	0.0014	-	-	-	-
2037	1449.51	-	-	-	-	0.0014	-	-	-	-
2038	1432.65	-	-	-	-	0.0014	-	-	-	-
2039	1417.06	-	-	-	-	0.0014	-	-	-	-
2040	1401.60	-	-	-	-	0.0014	-	-	-	-
2041	1387.06					0.0014				
2042	1373.80					0.0014				
2043	1361.41					0.0014				
2044	1350.16					0.0014				
2045	1339.97					0.0014				
2046	1330.70					0.0014				
2047	1322.48					0.0014				
2048	1315.09					0.0014				
2049	1308.59					0.0014				
2050	1305.61					0.0014				
Total		-	-	1,801.7545	-		-	-	0.0020	-

Heavy-Heavy

										Tire Wear (g
Year	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted- Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.3042	-	-	-	-	0.0360	-	-	-	-
2015	0.2950	-	-	-	-	0.0360	-	-	-	-
2016	0.2900	-	-	-	-	0.0360	-	-	-	-
2017	0.2869	-	-	-	-	0.0360	-	-	-	-
2018	0.2845	-	-	-	-	0.0360	-	-	-	-
2019	0.2823	-	-	-	-	0.0360	-	-	-	-
2020	0.2832	-	-	0.2832	-	0.0360	-	-	0.0360	-
2021	0.2797	-	-	-	-	0.0360	-	-	-	-
2022	0.2749	-	-	-	-	0.0360	-	-	-	-
2023	0.2696	-	-	-	-	0.0360	-	-	-	-
2024	0.2662	-	-	-	-	0.0360	-	-	-	-
2025	0.2630	-	-	-	-	0.0360	-	-	-	-
2026	0.2597	-	-	-	-	0.0360	-	-	-	-
2027	0.2561	-	-	-	-	0.0360	-	-	-	-
2028	0.2528	-	-	-	-	0.0360	-	-	-	-
2029	0.2499	-	-	-	-	0.0360	-	-	-	-
2030	0.2472	-	-	-	-	0.0360	-	-	-	-
2031	0.2445	-	-	-	-	0.0360	-	-	-	-
2032	0.2419	-	-	-	-	0.0360	-	-	-	-
2033	0.2392	-	-	-	-	0.0360	-	-	-	-
2034	0.2363	-	-	-	-	0.0360	-	-	-	-
2035	0.2333	-	-	-	-	0.0360	-	-	-	-
2036	0.2306	-	-	-	-	0.0360	-	-	-	-
2037	0.2278	-	-	-	-	0.0360	-	-	-	-
2038	0.2252	-	-	-	-	0.0360	-	-	-	-
2039	0.2227	-	-	-	-	0.0360	-	-	-	-
2040	0.2203	-	-	-	-	0.0360	-	-	-	-
2041	0.2180					0.0360				
2042	0.2159					0.0360				
2043	0.2140					0.0360				
2044	0.2122					0.0360				
2045	0.2106					0.0360				
2046	0.2092					0.0360				
2047	0.2079					0.0360				
2048	0.2067					0.0360				
2049	0.2057					0.0360				
2050	0.2052					0.0360				
Total		-	-	0.2832	-		-	-	0.0360	-

Heavy-Heavy

	/mi)									Break We
Year	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted- Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0090	-	-	-	-	0.0617	-	-	-	-
2015	0.0090	-	-	-	-	0.0617	-	-	-	-
2016	0.0090	-	-	-	-	0.0617	-	-	-	-
2017	0.0090	-	-	-	-	0.0617	-	-	-	-
2018	0.0090	-	-	-	-	0.0617	-	-	-	-
2019	0.0090	-	-	-	-	0.0617	-	-	-	-
2020	0.0090	-	-	0.0090	-	0.0617	-	-	0.0617	-
2021	0.0090	-	-	-	-	0.0617	-	-	-	-
2022	0.0090	-	-	-	-	0.0617	-	-	-	-
2023	0.0090	-	-	-	-	0.0617	-	-	-	-
2024	0.0090	-	-	-	-	0.0617	-	-	-	-
2025	0.0090	-	-	-	-	0.0617	-	-	-	-
2026	0.0090	-	-	-	-	0.0617	-	-	-	-
2027	0.0090	-	-	-	-	0.0617	-	-	-	-
2028	0.0090	-	-	-	-	0.0617	-	-	-	-
2029	0.0090	-	-	-	-	0.0617	-	-	-	-
2030	0.0090	-	-	-	-	0.0617	-	-	-	-
2031	0.0090	-	-	-	-	0.0617	-	-	-	-
2032	0.0090	-	-	-	-	0.0617	-	-	-	-
2033	0.0090	-	-	-	-	0.0617	-	-	-	-
2034	0.0090	-	-	-	-	0.0617	-	-	-	-
2035	0.0090	-	-	-	-	0.0617	-	-	-	-
2036	0.0090	-	-	-	-	0.0617	-	-	-	-
2037	0.0090	-	-	-	-	0.0617	-	-	-	-
2038	0.0090	-	-	-	-	0.0617	-	-	-	-
2039	0.0090	-	-	-	-	0.0617	-	-	-	-
2040	0.0090	-	-	-	-	0.0617	-	-	-	-
2041	0.0090					0.0617				
2042	0.0090					0.0617				
2043	0.0090					0.0617				
2044	0.0090					0.0617				
2045	0.0090					0.0617				
2046	0.0090					0.0617				
2047	0.0090					0.0617				
2048	0.0090					0.0617				
2049	0.0090					0.0617				
2050	0.0090					0.0617				
Total		-	-	0.0090	-		-	-	0.0617	-

Heavy-Heavy

Year	ear (g/mi) PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted- Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.0265	-	-	-	-	-	-	-	-	-
2015	0.0265	-	-	-	-	-	-	-	-	-
2016	0.0265	-	-	-	-	-	-	-	-	-
2017	0.0265	-	-	-	-	-	-	-	-	-
2018	0.0265	-	-	-	-	-	-	-	-	-
2019	0.0265	-	-	-	-	-	-	-	-	-
2020	0.0265	-	-	0.0265	-	-	-	-	-	-
2021	0.0265	-	-	-	-	-	-	-	-	-
2022	0.0265	-	-	-	-	-	-	-	-	-
2023	0.0265	-	-	-	-	-	-	-	-	-
2024	0.0265	-	-	-	-	-	-	-	-	-
2025	0.0265	-	-	-	-	-	-	-	-	-
2026	0.0265	-	-	-	-	-	-	-	-	-
2027	0.0265	-	-	-	-	-	-	-	-	-
2028	0.0265	-	-	-	-	-	-	-	-	-
2029	0.0265	-	-	-	-	-	-	-	-	-
2030	0.0265	-	-	-	-	-	-	-	-	-
2031	0.0265	-	-	-	-	-	-	-	-	-
2032	0.0265	-	-	-	-	-	-	-	-	-
2033	0.0265	-	-	-	-	-	-	-	-	-
2034	0.0265	-	-	-	-	-	-	-	-	-
2035	0.0265	-	-	-	-	-	-	-	-	-
2036	0.0265	-	-	-	-	-	-	-	-	-
2037	0.0265	-	-	-	-	-	-	-	-	-
2038	0.0265	-	-	-	-	-	-	-	-	-
2039	0.0265	-	-	-	-	-	-	-	-	-
2040	0.0265	-	-	-	-	-	-	-	-	-
2041	0.0265					-				
2042	0.0265					-				
2043	0.0265					-				
2044	0.0265					-				
2045	0.0265					-				
2046	0.0265					-				
2047	0.0265					-				
2048	0.0265					-				
2049	0.0265					-				
2050	0.0265					-				
Total		-	-	0.0265	-		-	-	-	-

Heavy-Heavy

Year	CO	Wieghted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	NOx	Wieghted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	4.0751	-	-	-	-
2015	-	-	-	-	-	4.1639	-	-	-	-
2016	-	-	-	-	-	4.1973	-	-	-	-
2017	-	-	-	-	-	4.2456	-	-	-	-
2018	-	-	-	-	-	4.2849	-	-	-	-
2019	-	-	-	-	-	4.3182	-	-	-	-
2020	-	-	-	-	-	4.3706	-	-	4.3706	-
2021	-	-	-	-	-	4.3886	-	-	-	-
2022	-	-	-	-	-	4.4171	-	-	-	-
2023	-	-	-	-	-	4.5024	-	-	-	-
2024	-	-	-	-	-	4.5067	-	-	-	-
2025	-	-	-	-	-	4.5105	-	-	-	-
2026	-	-	-	-	-	4.5138	-	-	-	-
2027	-	-	-	-	-	4.5169	-	-	-	-
2028	-	-	-	-	-	4.5201	-	-	-	-
2029	-	-	-	-	-	4.5233	-	-	-	-
2030	-	-	-	-	-	4.5268	-	-	-	-
2031	-	-	-	-	-	4.5299	-	-	-	-
2032	-	-	-	-	-	4.5333	-	-	-	-
2033	-	-	-	-	-	4.5364	-	-	-	-
2034	-	-	-	-	-	4.5399	-	-	-	-
2035	-	-	-	-	-	4.5432	-	-	-	-
2036	-	-	-	-	-	4.5458	-	-	-	-
2037	-	-	-	-	-	4.5485	-	-	-	-
2038	-	-	-	-	-	4.5507	-	-	-	-
2039	-	-	-	-	-	4.5526	-	-	-	-
2040	-	-	-	-	-	4.5546	-	-	-	-
2041	-					4.5563				
2042	-					4.5576				
2043	-					4.5589				
2044	-					4.5600				
2045	-					4.5610				
2046	-					4.5620				
2047	-					4.5627				
2048	-					4.5634				
2049	-					4.5640				
2050	-					4.5645				
Total		-	-	-	-		-	-	4.3706	-

Heavy-Heavy

	Start Emission Rate (g/trip)									
Year	PM10	Wieghted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-
2041	-					-				
2042	-					-				
2043	-					-				
2044	-					-				
2045	-					-				
2046	-					-				
2047	-					-				
2048	-					-				
2049	-					-				
2050	-					-				
Total		-	-	-	-		-	-	-	-

Heavy-Heavy

Year	SOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-
2041	-					-				
2042	-					-				
2043	-					-				
2044	-					-				
2045	-					-				
2046	-					-				
2047	-					-				
2048	-					-				
2049	-					-				
2050	-					-				
Total		-	-	-	-		-	-	-	-

Heavy-Heavy

Year	CH4	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	N2O	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-
2041	-					-				
2042	-					-				
2043	-					-				
2044	-					-				
2045	-					-				
2046	-					-				
2047	-					-				
2048	-					-				
2049	-					-				
2050	-					-				
Total		-	-	-	-		-	-	-	-

Heavy-Heavy

	Hot Soak (g/trip)					Evaporative Running Loss (g/trip)				
Year	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	ROG	Weighted- Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	-	-	-	-	-	-	-	-	-	-
2015	-	-	-	-	-	-	-	-	-	-
2016	-	-	-	-	-	-	-	-	-	-
2017	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-
2027	-	-	-	-	-	-	-	-	-	-
2028	-	-	-	-	-	-	-	-	-	-
2029	-	-	-	-	-	-	-	-	-	-
2030	-	-	-	-	-	-	-	-	-	-
2031	-	-	-	-	-	-	-	-	-	-
2032	-	-	-	-	-	-	-	-	-	-
2033	-	-	-	-	-	-	-	-	-	-
2034	-	-	-	-	-	-	-	-	-	-
2035	-	-	-	-	-	-	-	-	-	-
2036	-	-	-	-	-	-	-	-	-	-
2037	-	-	-	-	-	-	-	-	-	-
2038	-	-	-	-	-	-	-	-	-	-
2039	-	-	-	-	-	-	-	-	-	-
2040	-	-	-	-	-	-	-	-	-	-
2041	-					-				
2042	-					-				
2043	-					-				
2044	-					-				
2045	-					-				
2046	-					-				
2047	-					-				
2048	-					-				
2049	-					-				
2050	-					-				
Total		-	-	-	-		-	-	-	-

The following emission rates by equipment type and year cannot be directly edited. The rates shown below, however, will change when changes are made to the default values for horsepower and/or hours per day.

Note: Years 2014 through 2017 were not updated and are not used in the current model

Emissions (g/bhp-hr)			ROG	ROG	ROG	ROG		CO	CO	CO	CO
Aerial Lifts	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.2023	-	-	-	-	3.2195	-	-	-	-
	2015	0.1906	-	-	-	-	3.2178	-	-	-	-
	2016	0.1655	-	-	-	-	3.2010	-	-	-	-
	2017	0.1427	-	-	-	-	3.1843	-	-	-	-
	2018	0.1219	-	-	-	-	3.1669	-	-	-	-
	2019	0.1182	-	-	-	-	3.1725	-	-	-	-
	2020	0.1149	-	-	0.1149	-	3.1768	-	-	3.1768	-
	2021	0.1088	-	-	-	-	3.1762	-	-	-	-
	2022	0.1047	-	-	-	-	3.1760	-	-	-	-
	2023	0.1005	-	-	-	-	3.1703	-	-	-	-
	2024	0.1005	-	-	-	-	3.1726	-	-	-	-
	2025	0.0988	-	-	-	-	3.1674	-	-	-	-
	2026	0.0988	-	-	-	-	3.1674	-	-	-	-
	2027	0.0988	-	-	-	-	3.1674	-	-	-	-
	2028	0.0988	-	-	-	-	3.1674	-	-	-	-
	2029	0.0988	-	-	-	-	3.1674	-	-	-	-
	2030	0.1880	-	-	-	-	3.3520	-	-	-	-
	2031	0.1880	-	-	-	-	3.3520	-	-	-	-
	2032	0.1880	-	-	-	-	3.3520	-	-	-	-
	2033	0.1880	-	-	-	-	3.3520	-	-	-	-
	2034	0.1880	-	-	-	-	3.3520	-	-	-	-
	2035	0.1660	-	-	-	-	3.3450	-	-	-	-
	2036	0.1660	-	-	-	-	3.3450	-	-	-	-
	2037	0.1660	-	-	-	-	3.3450	-	-	-	-
	2038	0.1660	-	-	-	-	3.3450	-	-	-	-
	2039	0.1660	-	-	-	-	3.3450	-	-	-	-
	2040	0.1610	-	-	-	-	3.3440	-	-	-	-
Aerial Lifts Total			-	-	0.1149	-		-	-	3.1768	-

NOx	NOx Weighted - Grubbing	NOx Weighted - Grading	NOx Weighted - Drainage	NOx Weighted - Paving	PM10	PM10 Weighted - Grubbing	PM10 Weighted - Grading	PM10 Weighted - Drainage	PM10 Weighted - Paving
3.3728	-	-	-	-	0.1608	-	-	-	-
3.1134	-	-	-	-	0.1431	-	-	-	-
2.7222	-	-	-	-	0.1119	-	-	-	-
2.3637	-	-	-	-	0.0834	-	-	-	-
2.0636	-	-	-	-	0.0571	-	-	-	-
1.9766	-	-	-	-	0.0485	-	-	-	-
1.8686	-	-	1.8686	-	0.0416	-	-	0.0416	-
1.7437	-	-	-	-	0.0333	-	-	-	-
1.6266	-	-	-	-	0.0302	-	-	-	-
1.5481	-	-	-	-	0.0267	-	-	-	-
1.5279	-	-	-	-	0.0265	-	-	-	-
1.5108	-	-	-	-	0.0259	-	-	-	-
1.5108	-	-	-	-	0.0259	-	-	-	-
1.5108	-	-	-	-	0.0259	-	-	-	-
1.5108	-	-	-	-	0.0259	-	-	-	-
1.5108	-	-	-	-	0.0259	-	-	-	-
1.6570	-	-	-	-	0.0360	-	-	-	-
1.6570	-	-	-	-	0.0360	-	-	-	-
1.6570	-	-	-	-	0.0360	-	-	-	-
1.6570	-	-	-	-	0.0360	-	-	-	-
1.6570	-	-	-	-	0.0360	-	-	-	-
1.4660	-	-	-	-	0.0170	-	-	-	-
1.4660	-	-	-	-	0.0170	-	-	-	-
1.4660	-	-	-	-	0.0170	-	-	-	-
1.4660	-	-	-	-	0.0170	-	-	-	-
1.4660	-	-	-	-	0.0170	-	-	-	-
1.4070	-	-	-	-	0.0120	-	-	-	-
	-	-	1.8686	-		-	-	0.0416	-

92 % of PM2.5 in PM10 (from CEIDARS)

PM2.5	PM2.5 Weighted - Grubbing	PM2.5 Weighted - Grading	PM2.5 Weighted - Drainage	PM2.5 Weighted - Paving	CO2	CO2 Weighted - Grubbing	CO2 Weighted - Grading	CO2 Weighted - Drainage	CO2 Weighted - Paving
0.1479	-	-	-	-	516.7028	-	-	-	-
0.1316	-	-	-	-	511.4570	-	-	-	-
0.1030	-	-	-	-	506.2113	-	-	-	-
0.0768	-	-	-	-	498.3428	-	-	-	-
0.0525	-	-	-	-	490.4742	-	-	-	-
0.0446	-	-	-	-	482.6056	-	-	-	-
0.0382	-	-	0.0382	-	472.1142	-	-	472.1142	-
0.0306	-	-	-	-	472.1142	-	-	-	-
0.0278	-	-	-	-	472.1142	-	-	-	-
0.0246	-	-	-	-	472.1142	-	-	-	-
0.0244	-	-	-	-	472.1142	-	-	-	-
0.0238	-	-	-	-	472.1142	-	-	-	-
0.0238	-	-	-	-	472.1142	-	-	-	-
0.0238	-	-	-	-	472.1142	-	-	-	-
0.0238	-	-	-	-	472.1142	-	-	-	-
0.0238	-	-	-	-	472.1142	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0120	-	-	-	-	568.2990	-	-	-	-
	-	-	0.0382	-		-	-	472.1142	-

SOX	Sox Weighted - Grubbing	Sox Weighted - Grading	Sox Weighted - Drainage	Sox Weighted - Paving
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	0.0049	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0049	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
	-	-	0.0049	-

CH4	CH4 Weighted - Grubbing	CH4 Weighted - Grading	CH4 Weighted - Drainage	CH4 Weighted - Paving
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	0.1527	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.1527	-	-	-	-
0.0170	-	-	-	-
0.0170	-	-	-	-
0.0170	-	-	-	-
0.0170	-	-	-	-
0.0170	-	-	-	-
0.0140	-	-	-	-
0.0140	-	-	-	-
0.0140	-	-	-	-
0.0140	-	-	-	-
0.0140	-	-	-	-
0.0140	-	-	-	-
	-	-	0.1527	-

N2O	N2O Weighted - Grubbing	N2O Weighted - Grading	N2O Weighted - Drainage	N2O Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Air Compressors	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.9010	-	-	-	-	3.8800		-	-	-	-
	2015	0.8210	-	-	-	-	3.8400		-	-	-	-
	2016	0.7440	-	-	-	-	3.8040		-	-	-	-
	2017	0.6710	-	-	-	-	3.7720		-	-	-	-
	2018	0.6030	-	-	-	-	3.7440		-	-	-	-
	2019	0.5380	-	-	-	-	3.7180		-	-	-	-
	2020	0.4890	-	-	0.4890	-	3.6980		-	-	3.6980	-
	2021	0.4420	-	-	-	-	3.6700		-	-	-	-
	2022	0.4130	-	-	-	-	3.6620		-	-	-	-
	2023	0.3870	-	-	-	-	3.6570		-	-	-	-
	2024	0.3650	-	-	-	-	3.6550		-	-	-	-
	2025	0.3450	-	-	-	-	3.6530		-	-	-	-
	2026	0.3450	-	-	-	-	3.6530		-	-	-	-
	2027	0.3450	-	-	-	-	3.6530		-	-	-	-
	2028	0.3450	-	-	-	-	3.6530		-	-	-	-
	2029	0.3450	-	-	-	-	3.6530		-	-	-	-
	2030	0.2640	-	-	-	-	3.6300		-	-	-	-
	2031	0.2640	-	-	-	-	3.6300		-	-	-	-
	2032	0.2640	-	-	-	-	3.6300		-	-	-	-
	2033	0.2640	-	-	-	-	3.6300		-	-	-	-
	2034	0.2640	-	-	-	-	3.6300		-	-	-	-
	2035	0.2380	-	-	-	-	3.6230		-	-	-	-
	2036	0.2380	-	-	-	-	3.6230		-	-	-	-
	2037	0.2380	-	-	-	-	3.6230		-	-	-	-
	2038	0.2380	-	-	-	-	3.6230		-	-	-	-
	2039	0.2380	-	-	-	-	3.6230		-	-	-	-
	2040	0.2320	-	-	-	-	3.6190		-	-	-	-
Air Compressors Total			-	-	0.4890	-			-	-	3.6980	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.6080	-	-	-	-	0.4950	-	-	-	-
5.1900	-	-	-	-	0.4460	-	-	-	-
4.7900	-	-	-	-	0.3970	-	-	-	-
4.4120	-	-	-	-	0.3500	-	-	-	-
4.0500	-	-	-	-	0.3040	-	-	-	-
3.7060	-	-	-	-	0.2600	-	-	-	-
3.4000	-	-	3.4000	-	0.2240	-	-	0.2240	-
3.0830	-	-	-	-	0.1900	-	-	-	-
2.8440	-	-	-	-	0.1650	-	-	-	-
2.6310	-	-	-	-	0.1430	-	-	-	-
2.4610	-	-	-	-	0.1230	-	-	-	-
2.3130	-	-	-	-	0.1040	-	-	-	-
2.3130	-	-	-	-	0.1040	-	-	-	-
2.3130	-	-	-	-	0.1040	-	-	-	-
2.3130	-	-	-	-	0.1040	-	-	-	-
2.3130	-	-	-	-	0.1040	-	-	-	-
1.7290	-	-	-	-	0.0410	-	-	-	-
1.7290	-	-	-	-	0.0410	-	-	-	-
1.7290	-	-	-	-	0.0410	-	-	-	-
1.7290	-	-	-	-	0.0410	-	-	-	-
1.7290	-	-	-	-	0.0410	-	-	-	-
1.5300	-	-	-	-	0.0200	-	-	-	-
1.5300	-	-	-	-	0.0200	-	-	-	-
1.5300	-	-	-	-	0.0200	-	-	-	-
1.5300	-	-	-	-	0.0200	-	-	-	-
1.5300	-	-	-	-	0.0200	-	-	-	-
1.4680	-	-	-	-	0.0150	-	-	-	-
	-	-	3.4000	-		-	-	0.2240	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4950	-	-	-	-	568.2990	-	-	-	-
0.4460	-	-	-	-	568.2990	-	-	-	-
0.3970	-	-	-	-	568.2990	-	-	-	-
0.3500	-	-	-	-	568.2990	-	-	-	-
0.3040	-	-	-	-	568.3000	-	-	-	-
0.2600	-	-	-	-	568.2990	-	-	-	-
0.2240	-	-	0.2240	-	568.2990	-	-	568.2990	-
0.1900	-	-	-	-	568.2990	-	-	-	-
0.1650	-	-	-	-	568.2990	-	-	-	-
0.1430	-	-	-	-	568.2990	-	-	-	-
0.1230	-	-	-	-	568.2990	-	-	-	-
0.1040	-	-	-	-	568.2990	-	-	-	-
0.1040	-	-	-	-	568.2990	-	-	-	-
0.1040	-	-	-	-	568.2990	-	-	-	-
0.1040	-	-	-	-	568.2990	-	-	-	-
0.1040	-	-	-	-	568.2990	-	-	-	-
0.0410	-	-	-	-	568.2990	-	-	-	-
0.0410	-	-	-	-	568.2990	-	-	-	-
0.0410	-	-	-	-	568.2990	-	-	-	-
0.0410	-	-	-	-	568.2990	-	-	-	-
0.0410	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
	-	-	0.2240	-		-	-	568.2990	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	0.0060	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Bore/Drill Rigs	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.2173	-	-	-	-		1.1744	-	-	-	-
	2015	0.2133	-	-	-	-		1.1783	-	-	-	-
	2016	0.1925	-	-	-	-		1.1330	-	-	-	-
	2017	0.1735	-	-	-	-		1.1021	-	-	-	-
	2018	0.1545	-	-	-	-		1.0733	-	-	-	-
	2019	0.1434	-	-	-	-		1.0606	-	-	-	-
	2020	0.1424	-	-	0.1424	-		1.0677	-	-	1.0677	-
	2021	0.1325	-	-	-	-		1.0642	-	-	-	-
	2022	0.1150	-	-	-	-		1.0473	-	-	-	-
	2023	0.1104	-	-	-	-		1.0431	-	-	-	-
	2024	0.1080	-	-	-	-		1.0459	-	-	-	-
	2025	0.1074	-	-	-	-		1.0448	-	-	-	-
	2026	0.1074	-	-	-	-		1.0448	-	-	-	-
	2027	0.1074	-	-	-	-		1.0448	-	-	-	-
	2028	0.1074	-	-	-	-		1.0448	-	-	-	-
	2029	0.1074	-	-	-	-		1.0448	-	-	-	-
	2030	0.1270	-	-	-	-		1.0350	-	-	-	-
	2031	0.1270	-	-	-	-		1.0350	-	-	-	-
	2032	0.1270	-	-	-	-		1.0350	-	-	-	-
	2033	0.1270	-	-	-	-		1.0350	-	-	-	-
	2034	0.1270	-	-	-	-		1.0350	-	-	-	-
	2035	0.1260	-	-	-	-		1.0350	-	-	-	-
	2036	0.1260	-	-	-	-		1.0350	-	-	-	-
	2037	0.1260	-	-	-	-		1.0350	-	-	-	-
	2038	0.1260	-	-	-	-		1.0350	-	-	-	-
	2039	0.1260	-	-	-	-		1.0350	-	-	-	-
	2040	0.1270	-	-	-	-		1.0350	-	-	-	-
Bore/Drill Rigs Total			-	-	0.1424	-			-	-	1.0677	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.5245	-	-	-	-	0.1049	-	-	-	-
3.3245	-	-	-	-	0.0996	-	-	-	-
2.9021	-	-	-	-	0.0852	-	-	-	-
2.5215	-	-	-	-	0.0725	-	-	-	-
2.1531	-	-	-	-	0.0608	-	-	-	-
1.8943	-	-	-	-	0.0537	-	-	-	-
1.8073	-	-	1.8073	-	0.0521	-	-	0.0521	-
1.5510	-	-	-	-	0.0470	-	-	-	-
1.1629	-	-	-	-	0.0373	-	-	-	-
1.0465	-	-	-	-	0.0339	-	-	-	-
0.9754	-	-	-	-	0.0321	-	-	-	-
0.9572	-	-	-	-	0.0314	-	-	-	-
0.9572	-	-	-	-	0.0314	-	-	-	-
0.9572	-	-	-	-	0.0314	-	-	-	-
0.9572	-	-	-	-	0.0314	-	-	-	-
0.9572	-	-	-	-	0.0314	-	-	-	-
0.2740	-	-	-	-	0.0100	-	-	-	-
0.2740	-	-	-	-	0.0100	-	-	-	-
0.2740	-	-	-	-	0.0100	-	-	-	-
0.2740	-	-	-	-	0.0100	-	-	-	-
0.2740	-	-	-	-	0.0100	-	-	-	-
0.2720	-	-	-	-	0.0100	-	-	-	-
0.2720	-	-	-	-	0.0100	-	-	-	-
0.2720	-	-	-	-	0.0100	-	-	-	-
0.2720	-	-	-	-	0.0100	-	-	-	-
0.2720	-	-	-	-	0.0100	-	-	-	-
0.2720	-	-	-	-	0.0100	-	-	-	-
	-	-	1.8073	-		-	-	0.0521	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0965	-	-	-	-	512.3362	-	-	-	-
0.0916	-	-	-	-	506.5047	-	-	-	-
0.0784	-	-	-	-	502.1280	-	-	-	-
0.0667	-	-	-	-	494.1381	-	-	-	-
0.0560	-	-	-	-	484.5605	-	-	-	-
0.0494	-	-	-	-	475.7896	-	-	-	-
0.0479	-	-	0.0479	-	466.8342	-	-	466.8342	-
0.0433	-	-	-	-	467.9916	-	-	-	-
0.0343	-	-	-	-	468.7604	-	-	-	-
0.0312	-	-	-	-	469.7058	-	-	-	-
0.0296	-	-	-	-	470.7115	-	-	-	-
0.0289	-	-	-	-	470.6535	-	-	-	-
0.0289	-	-	-	-	470.6535	-	-	-	-
0.0289	-	-	-	-	470.6535	-	-	-	-
0.0289	-	-	-	-	470.6535	-	-	-	-
0.0289	-	-	-	-	470.6535	-	-	-	-
0.0100	-	-	-	-	568.2990	-	-	-	-
0.0100	-	-	-	-	568.2990	-	-	-	-
0.0100	-	-	-	-	568.2990	-	-	-	-
0.0100	-	-	-	-	568.2990	-	-	-	-
0.0100	-	-	-	-	568.2990	-	-	-	-
0.0100	-	-	-	-	568.2990	-	-	-	-
0.0100	-	-	-	-	568.2990	-	-	-	-
0.0100	-	-	-	-	568.2990	-	-	-	-
0.0100	-	-	-	-	568.2990	-	-	-	-
0.0100	-	-	-	-	568.2990	-	-	-	-
0.0100	-	-	-	-	568.3000	-	-	-	-
	-	-	0.0479	-		-	-	466.8342	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0048	-	-	-	-	0.1514	-	-	-	-
0.0048	-	-	-	-	0.1512	-	-	-	-
0.0048	-	-	-	-	0.1515	-	-	-	-
0.0048	-	-	-	-	0.1514	-	-	-	-
0.0048	-	-	-	-	0.1509	-	-	-	-
0.0048	-	-	-	-	0.1505	-	-	-	-
0.0048	-	-	0.0048	-	0.1510	-	-	0.1510	-
0.0048	-	-	-	-	0.1514	-	-	-	-
0.0048	-	-	-	-	0.1516	-	-	-	-
0.0049	-	-	-	-	0.1519	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0060	-	-	-	-	0.0110	-	-	-	-
0.0060	-	-	-	-	0.0110	-	-	-	-
0.0060	-	-	-	-	0.0110	-	-	-	-
0.0060	-	-	-	-	0.0110	-	-	-	-
0.0060	-	-	-	-	0.0110	-	-	-	-
0.0060	-	-	-	-	0.0110	-	-	-	-
0.0060	-	-	-	-	0.0110	-	-	-	-
0.0060	-	-	-	-	0.0110	-	-	-	-
0.0060	-	-	-	-	0.0110	-	-	-	-
0.0060	-	-	-	-	0.0110	-	-	-	-
0.0060	-	-	-	-	0.0110	-	-	-	-
	-	-	0.0048	-		-	-	0.1510	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Cement and Mortar Mixers	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.6660	-	-	-	-	3.4690		-	-	-	-
	2015	0.6630	-	-	-	-	3.4690		-	-	-	-
	2016	0.6620	-	-	-	-	3.4690		-	-	-	-
	2017	0.6610	-	-	-	-	3.4690		-	-	-	-
	2018	0.6610	-	-	-	-	3.4690		-	-	-	-
	2019	0.6610	-	-	-	-	3.4690		-	-	-	-
	2020	0.6610	-	-	0.6610	-	3.4700		-	-	3.4700	-
	2021	0.6610	-	-	-	-	3.4690		-	-	-	-
	2022	0.6610	-	-	-	-	3.4700		-	-	-	-
	2023	0.6610	-	-	-	-	3.4690		-	-	-	-
	2024	0.6610	-	-	-	-	3.4690		-	-	-	-
	2025	0.6610	-	-	-	-	3.4690		-	-	-	-
	2026	0.6610	-	-	-	-	3.4690		-	-	-	-
	2027	0.6610	-	-	-	-	3.4690		-	-	-	-
	2028	0.6610	-	-	-	-	3.4690		-	-	-	-
	2029	0.6610	-	-	-	-	3.4690		-	-	-	-
	2030	0.6610	-	-	-	-	3.4690		-	-	-	-
	2031	0.6610	-	-	-	-	3.4690		-	-	-	-
	2032	0.6610	-	-	-	-	3.4690		-	-	-	-
	2033	0.6610	-	-	-	-	3.4690		-	-	-	-
	2034	0.6610	-	-	-	-	3.4690		-	-	-	-
	2035	0.6610	-	-	-	-	3.4690		-	-	-	-
	2036	0.6610	-	-	-	-	3.4690		-	-	-	-
	2037	0.6610	-	-	-	-	3.4690		-	-	-	-
	2038	0.6610	-	-	-	-	3.4690		-	-	-	-
	2039	0.6610	-	-	-	-	3.4690		-	-	-	-
	2040	0.6610	-	-	-	-	3.4700		-	-	-	-
Cement and Mortar Mixers Total			-	-	0.6610	-			-	-	3.4700	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
4.1910	-	-	-	-	0.1770	-	-	-	-
4.1680	-	-	-	-	0.1710	-	-	-	-
4.1530	-	-	-	-	0.1670	-	-	-	-
4.1450	-	-	-	-	0.1650	-	-	-	-
4.1420	-	-	-	-	0.1630	-	-	-	-
4.1420	-	-	-	-	0.1620	-	-	-	-
4.1420	-	-	4.1420	-	0.1610	-	-	0.1610	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
	-	-	4.1420	-		-	-	0.1610	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1770	-	-	-	-	568.2990	-	-	-	-
0.1710	-	-	-	-	568.3000	-	-	-	-
0.1670	-	-	-	-	568.3000	-	-	-	-
0.1650	-	-	-	-	568.2990	-	-	-	-
0.1630	-	-	-	-	568.2990	-	-	-	-
0.1620	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	0.1610	-	568.2990	-	-	568.2990	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1610	-		-	-	568.2990	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0080	-	-	-	-	0.0600	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	0.0080	-	0.0590	-	-	0.0590	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
	-	-	0.0080	-		-	-	0.0590	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	0.0048	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
	-	-	0.0048	-

Concrete/Industrial Saws	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.7490	-	-	-	-	3.6750		-	-	-	-
	2015	0.6830	-	-	-	-	3.6470		-	-	-	-
	2016	0.6200	-	-	-	-	3.6200		-	-	-	-
	2017	0.5570	-	-	-	-	3.5950		-	-	-	-
	2018	0.4980	-	-	-	-	3.5710		-	-	-	-
	2019	0.4430	-	-	-	-	3.5500		-	-	-	-
	2020	0.4010	-	-	0.4010	-	3.5350		-	-	3.5350	-
	2021	0.3690	-	-	-	-	3.5230		-	-	-	-
	2022	0.3430	-	-	-	-	3.5140		-	-	-	-
	2023	0.3200	-	-	-	-	3.5070		-	-	-	-
	2024	0.3000	-	-	-	-	3.5000		-	-	-	-
	2025	0.2830	-	-	-	-	3.4950		-	-	-	-
	2026	0.2830	-	-	-	-	3.4950		-	-	-	-
	2027	0.2830	-	-	-	-	3.4950		-	-	-	-
	2028	0.2830	-	-	-	-	3.4950		-	-	-	-
	2029	0.2830	-	-	-	-	3.4950		-	-	-	-
	2030	0.2210	-	-	-	-	3.4800		-	-	-	-
	2031	0.2210	-	-	-	-	3.4800		-	-	-	-
	2032	0.2210	-	-	-	-	3.4800		-	-	-	-
	2033	0.2210	-	-	-	-	3.4800		-	-	-	-
	2034	0.2210	-	-	-	-	3.4800		-	-	-	-
	2035	0.2000	-	-	-	-	3.4760		-	-	-	-
	2036	0.2000	-	-	-	-	3.4760		-	-	-	-
	2037	0.2000	-	-	-	-	3.4760		-	-	-	-
	2038	0.2000	-	-	-	-	3.4760		-	-	-	-
	2039	0.2000	-	-	-	-	3.4760		-	-	-	-
	2040	0.1950	-	-	-	-	3.4770		-	-	-	-
Concrete/Industrial Saws Total			-	-	0.4010	-			-	-	3.5350	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.1600	-	-	-	-	0.4120	-	-	-	-
4.7890	-	-	-	-	0.3720	-	-	-	-
4.4320	-	-	-	-	0.3330	-	-	-	-
4.0860	-	-	-	-	0.2940	-	-	-	-
3.7540	-	-	-	-	0.2560	-	-	-	-
3.4410	-	-	-	-	0.2200	-	-	-	-
3.1630	-	-	3.1630	-	0.1900	-	-	0.1900	-
2.9130	-	-	-	-	0.1660	-	-	-	-
2.6860	-	-	-	-	0.1440	-	-	-	-
2.4780	-	-	-	-	0.1230	-	-	-	-
2.3150	-	-	-	-	0.1060	-	-	-	-
2.1760	-	-	-	-	0.0890	-	-	-	-
2.1760	-	-	-	-	0.0890	-	-	-	-
2.1760	-	-	-	-	0.0890	-	-	-	-
2.1760	-	-	-	-	0.0890	-	-	-	-
2.1760	-	-	-	-	0.0890	-	-	-	-
1.6670	-	-	-	-	0.0360	-	-	-	-
1.6670	-	-	-	-	0.0360	-	-	-	-
1.6670	-	-	-	-	0.0360	-	-	-	-
1.6670	-	-	-	-	0.0360	-	-	-	-
1.6670	-	-	-	-	0.0360	-	-	-	-
1.4910	-	-	-	-	0.0180	-	-	-	-
1.4910	-	-	-	-	0.0180	-	-	-	-
1.4910	-	-	-	-	0.0180	-	-	-	-
1.4910	-	-	-	-	0.0180	-	-	-	-
1.4910	-	-	-	-	0.0180	-	-	-	-
1.4340	-	-	-	-	0.0130	-	-	-	-
	-	-	3.1630	-		-	-	0.1900	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4120	-	-	-	-	568.2990	-	-	-	-
0.3720	-	-	-	-	568.3000	-	-	-	-
0.3330	-	-	-	-	568.3000	-	-	-	-
0.2940	-	-	-	-	568.2990	-	-	-	-
0.2560	-	-	-	-	568.2990	-	-	-	-
0.2200	-	-	-	-	568.3000	-	-	-	-
0.1900	-	-	0.1900	-	568.2990	-	-	568.2990	-
0.1660	-	-	-	-	568.2990	-	-	-	-
0.1440	-	-	-	-	568.2990	-	-	-	-
0.1230	-	-	-	-	568.3000	-	-	-	-
0.1060	-	-	-	-	568.2990	-	-	-	-
0.0890	-	-	-	-	568.3000	-	-	-	-
0.0890	-	-	-	-	568.3000	-	-	-	-
0.0890	-	-	-	-	568.3000	-	-	-	-
0.0890	-	-	-	-	568.3000	-	-	-	-
0.0890	-	-	-	-	568.3000	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0180	-	-	-	-	568.2990	-	-	-	-
0.0180	-	-	-	-	568.2990	-	-	-	-
0.0180	-	-	-	-	568.2990	-	-	-	-
0.0180	-	-	-	-	568.2990	-	-	-	-
0.0180	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1900	-		-	-	568.2990	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0060	-	-	-	-	0.0670	-	-	-	-
0.0060	-	-	-	-	0.0610	-	-	-	-
0.0060	-	-	-	-	0.0550	-	-	-	-
0.0060	-	-	-	-	0.0500	-	-	-	-
0.0060	-	-	-	-	0.0440	-	-	-	-
0.0060	-	-	-	-	0.0400	-	-	-	-
0.0060	-	-	0.0060	-	0.0360	-	-	0.0360	-
0.0060	-	-	-	-	0.0330	-	-	-	-
0.0060	-	-	-	-	0.0310	-	-	-	-
0.0060	-	-	-	-	0.0280	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
	-	-	0.0060	-		-	-	0.0360	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Cranes			Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	ROG						CO				
	2014	0.6607	-	-	-	-	2.7263	-	-	-	-
	2015	0.6422	-	-	-	-	2.6533	-	-	-	-
	2016	0.6229	-	-	-	-	2.5822	-	-	-	-
	2017	0.5606	-	-	-	-	2.3845	-	-	-	-
	2018	0.4831	-	-	-	-	2.1345	-	-	-	-
	2019	0.4266	-	-	-	-	1.9408	-	-	-	-
	2020	0.3837	-	-	0.3837	-	1.7904	-	-	1.7904	-
	2021	0.3495	-	-	-	-	1.6782	-	-	-	-
	2022	0.3157	-	-	-	-	1.6016	-	-	-	-
	2023	0.2974	-	-	-	-	1.5526	-	-	-	-
	2024	0.2808	-	-	-	-	1.5021	-	-	-	-
	2025	0.2648	-	-	-	-	1.4697	-	-	-	-
	2026	0.2648	-	-	-	-	1.4697	-	-	-	-
	2027	0.2648	-	-	-	-	1.4697	-	-	-	-
	2028	0.2648	-	-	-	-	1.4697	-	-	-	-
	2029	0.2648	-	-	-	-	1.4697	-	-	-	-
	2030	0.2240	-	-	-	-	1.1470	-	-	-	-
	2031	0.2240	-	-	-	-	1.1470	-	-	-	-
	2032	0.2240	-	-	-	-	1.1470	-	-	-	-
	2033	0.2240	-	-	-	-	1.1470	-	-	-	-
	2034	0.2240	-	-	-	-	1.1470	-	-	-	-
	2035	0.2030	-	-	-	-	1.1430	-	-	-	-
	2036	0.2030	-	-	-	-	1.1430	-	-	-	-
	2037	0.2030	-	-	-	-	1.1430	-	-	-	-
	2038	0.2030	-	-	-	-	1.1430	-	-	-	-
	2039	0.2030	-	-	-	-	1.1430	-	-	-	-
	2040	0.1950	-	-	-	-	1.1440	-	-	-	-
Cranes Total			-	-	0.3837	-		-	-	1.7904	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
7.8603	-	-	-	-	0.3603	-	-	-	-
7.6216	-	-	-	-	0.3479	-	-	-	-
7.3807	-	-	-	-	0.3349	-	-	-	-
6.6553	-	-	-	-	0.2967	-	-	-	-
5.7730	-	-	-	-	0.2499	-	-	-	-
5.0842	-	-	-	-	0.2155	-	-	-	-
4.5633	-	-	4.5633	-	0.1881	-	-	0.1881	-
4.1044	-	-	-	-	0.1666	-	-	-	-
3.5415	-	-	-	-	0.1470	-	-	-	-
3.2294	-	-	-	-	0.1349	-	-	-	-
2.9660	-	-	-	-	0.1234	-	-	-	-
2.6813	-	-	-	-	0.1140	-	-	-	-
2.6813	-	-	-	-	0.1140	-	-	-	-
2.6813	-	-	-	-	0.1140	-	-	-	-
2.6813	-	-	-	-	0.1140	-	-	-	-
2.6813	-	-	-	-	0.1140	-	-	-	-
0.7480	-	-	-	-	0.0240	-	-	-	-
0.7480	-	-	-	-	0.0240	-	-	-	-
0.7480	-	-	-	-	0.0240	-	-	-	-
0.7480	-	-	-	-	0.0240	-	-	-	-
0.7480	-	-	-	-	0.0240	-	-	-	-
0.4630	-	-	-	-	0.0160	-	-	-	-
0.4630	-	-	-	-	0.0160	-	-	-	-
0.4630	-	-	-	-	0.0160	-	-	-	-
0.4630	-	-	-	-	0.0160	-	-	-	-
0.4630	-	-	-	-	0.0160	-	-	-	-
0.3440	-	-	-	-	0.0130	-	-	-	-
	-	-	4.5633	-		-	-	0.1881	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.3314	-	-	-	-	517.6833	-	-	-	-
0.3201	-	-	-	-	512.4484	-	-	-	-
0.3081	-	-	-	-	507.1552	-	-	-	-
0.2730	-	-	-	-	499.3721	-	-	-	-
0.2299	-	-	-	-	491.4069	-	-	-	-
0.1983	-	-	-	-	483.4616	-	-	-	-
0.1731	-	-	0.1731	-	472.9488	-	-	472.9488	-
0.1533	-	-	-	-	472.9057	-	-	-	-
0.1353	-	-	-	-	472.9832	-	-	-	-
0.1241	-	-	-	-	472.9738	-	-	-	-
0.1135	-	-	-	-	472.9638	-	-	-	-
0.1049	-	-	-	-	472.9798	-	-	-	-
0.1049	-	-	-	-	472.9798	-	-	-	-
0.1049	-	-	-	-	472.9798	-	-	-	-
0.1049	-	-	-	-	472.9798	-	-	-	-
0.1049	-	-	-	-	472.9798	-	-	-	-
0.0240	-	-	-	-	568.2990	-	-	-	-
0.0240	-	-	-	-	568.2990	-	-	-	-
0.0240	-	-	-	-	568.2990	-	-	-	-
0.0240	-	-	-	-	568.2990	-	-	-	-
0.0240	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1731	-		-	-	472.9488	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	0.0049	-	0.1530	-	-	0.1530	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0060	-	-	-	-	0.0200	-	-	-	-
0.0060	-	-	-	-	0.0200	-	-	-	-
0.0060	-	-	-	-	0.0200	-	-	-	-
0.0060	-	-	-	-	0.0200	-	-	-	-
0.0060	-	-	-	-	0.0200	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
	-	-	0.0049	-		-	-	0.1530	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Crawler Tractors	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.4540	-	-	-	-		1.8377	-	-	-	-
	2015	0.4511	-	-	-	-		1.8159	-	-	-	-
	2016	0.4487	-	-	-	-		1.8030	-	-	-	-
	2017	0.4295	-	-	-	-		1.7418	-	-	-	-
	2018	0.3983	-	-	-	-		1.6535	-	-	-	-
	2019	0.3796	-	-	-	-		1.6045	-	-	-	-
	2020	0.3600	-	-	0.3600	-		1.5549	-	-	1.5549	-
	2021	0.3427	-	-	-	-		1.5146	-	-	-	-
	2022	0.3060	-	-	-	-		1.4398	-	-	-	-
	2023	0.2763	-	-	-	-		1.3955	-	-	-	-
	2024	0.2638	-	-	-	-		1.3699	-	-	-	-
	2025	0.2324	-	-	-	-		1.3085	-	-	-	-
	2026	0.2324	-	-	-	-		1.3085	-	-	-	-
	2027	0.2324	-	-	-	-		1.3085	-	-	-	-
	2028	0.2324	-	-	-	-		1.3085	-	-	-	-
	2029	0.2324	-	-	-	-		1.3085	-	-	-	-
	2030	0.2620	-	-	-	-		1.2070	-	-	-	-
	2031	0.2620	-	-	-	-		1.2070	-	-	-	-
	2032	0.2620	-	-	-	-		1.2070	-	-	-	-
	2033	0.2620	-	-	-	-		1.2070	-	-	-	-
	2034	0.2620	-	-	-	-		1.2070	-	-	-	-
	2035	0.2290	-	-	-	-		1.1820	-	-	-	-
	2036	0.2290	-	-	-	-		1.1820	-	-	-	-
	2037	0.2290	-	-	-	-		1.1820	-	-	-	-
	2038	0.2290	-	-	-	-		1.1820	-	-	-	-
	2039	0.2290	-	-	-	-		1.1820	-	-	-	-
	2040	0.2110	-	-	-	-		1.1670	-	-	-	-
Crawler Tractors Total			-	-	0.3600	-			-	-	1.5549	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
6.2375	-	-	-	-	0.2411	-	-	-	-
6.1431	-	-	-	-	0.2369	-	-	-	-
6.0475	-	-	-	-	0.2332	-	-	-	-
5.7597	-	-	-	-	0.2199	-	-	-	-
5.2896	-	-	-	-	0.2001	-	-	-	-
4.9721	-	-	-	-	0.1875	-	-	-	-
4.6323	-	-	4.6323	-	0.1746	-	-	0.1746	-
4.3339	-	-	-	-	0.1631	-	-	-	-
3.7367	-	-	-	-	0.1410	-	-	-	-
3.1874	-	-	-	-	0.1236	-	-	-	-
2.9532	-	-	-	-	0.1146	-	-	-	-
2.4616	-	-	-	-	0.0961	-	-	-	-
2.4616	-	-	-	-	0.0961	-	-	-	-
2.4616	-	-	-	-	0.0961	-	-	-	-
2.4616	-	-	-	-	0.0961	-	-	-	-
2.4616	-	-	-	-	0.0961	-	-	-	-
1.1040	-	-	-	-	0.0400	-	-	-	-
1.1040	-	-	-	-	0.0400	-	-	-	-
1.1040	-	-	-	-	0.0400	-	-	-	-
1.1040	-	-	-	-	0.0400	-	-	-	-
1.1040	-	-	-	-	0.0400	-	-	-	-
0.6950	-	-	-	-	0.0260	-	-	-	-
0.6950	-	-	-	-	0.0260	-	-	-	-
0.6950	-	-	-	-	0.0260	-	-	-	-
0.6950	-	-	-	-	0.0260	-	-	-	-
0.6950	-	-	-	-	0.0260	-	-	-	-
0.4910	-	-	-	-	0.0180	-	-	-	-
	-	-	4.6323	-		-	-	0.1746	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2218	-	-	-	-
0.2179	-	-	-	-
0.2145	-	-	-	-
0.2023	-	-	-	-
0.1841	-	-	-	-
0.1725	-	-	-	-
0.1606	-	-	0.1606	-
0.1500	-	-	-	-
0.1297	-	-	-	-
0.1137	-	-	-	-
0.1055	-	-	-	-
0.0884	-	-	-	-
0.0884	-	-	-	-
0.0884	-	-	-	-
0.0884	-	-	-	-
0.0884	-	-	-	-
0.0400	-	-	-	-
0.0400	-	-	-	-
0.0400	-	-	-	-
0.0400	-	-	-	-
0.0400	-	-	-	-
0.0260	-	-	-	-
0.0260	-	-	-	-
0.0260	-	-	-	-
0.0260	-	-	-	-
0.0260	-	-	-	-
0.0180	-	-	-	-
	-	-	0.1606	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
518.0363	-	-	-	-
512.8973	-	-	-	-
507.3550	-	-	-	-
499.8320	-	-	-	-
491.6060	-	-	-	-
483.4489	-	-	-	-
472.9410	-	-	472.9410	-
472.9246	-	-	-	-
472.0975	-	-	-	-
471.6244	-	-	-	-
471.8603	-	-	-	-
471.6224	-	-	-	-
471.6224	-	-	-	-
471.6224	-	-	-	-
471.6224	-	-	-	-
471.6224	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
	-	-	472.9410	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	0.0049	-	0.1530	-	-	0.1530	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1526	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0200	-	-	-	-
0.0060	-	-	-	-	0.0200	-	-	-	-
0.0060	-	-	-	-	0.0200	-	-	-	-
0.0060	-	-	-	-	0.0200	-	-	-	-
0.0060	-	-	-	-	0.0200	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
	-	-	0.0049	-		-	-	0.1530	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Crushing/Proc. Equipment	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.8770	-	-	-	-		3.8980	-	-	-	-
	2015	0.7970	-	-	-	-		3.8590	-	-	-	-
	2016	0.7200	-	-	-	-		3.8230	-	-	-	-
	2017	0.6470	-	-	-	-		3.7910	-	-	-	-
	2018	0.5800	-	-	-	-		3.7630	-	-	-	-
	2019	0.5190	-	-	-	-		3.7390	-	-	-	-
	2020	0.4730	-	-	0.4730	-		3.7220	-	-	3.7220	-
	2021	0.4380	-	-	-	-		3.7110	-	-	-	-
	2022	0.4100	-	-	-	-		3.7040	-	-	-	-
	2023	0.3850	-	-	-	-		3.7000	-	-	-	-
	2024	0.3640	-	-	-	-		3.6970	-	-	-	-
	2025	0.3450	-	-	-	-		3.6940	-	-	-	-
	2026	0.3450	-	-	-	-		3.6940	-	-	-	-
	2027	0.3450	-	-	-	-		3.6940	-	-	-	-
	2028	0.3450	-	-	-	-		3.6940	-	-	-	-
	2029	0.3450	-	-	-	-		3.6940	-	-	-	-
	2030	0.2720	-	-	-	-		3.6730	-	-	-	-
	2031	0.2720	-	-	-	-		3.6730	-	-	-	-
	2032	0.2720	-	-	-	-		3.6730	-	-	-	-
	2033	0.2720	-	-	-	-		3.6730	-	-	-	-
	2034	0.2720	-	-	-	-		3.6730	-	-	-	-
	2035	0.2490	-	-	-	-		3.6650	-	-	-	-
	2036	0.2490	-	-	-	-		3.6650	-	-	-	-
	2037	0.2490	-	-	-	-		3.6650	-	-	-	-
	2038	0.2490	-	-	-	-		3.6650	-	-	-	-
	2039	0.2490	-	-	-	-		3.6650	-	-	-	-
	2040	0.2450	-	-	-	-		3.6700	-	-	-	-
Crushing/Proc. Equipment Total			-	-	0.4730	-			-	-	3.7220	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.4680	-	-	-	-	0.4810	-	-	-	-
5.0400	-	-	-	-	0.4300	-	-	-	-
4.6310	-	-	-	-	0.3790	-	-	-	-
4.2440	-	-	-	-	0.3300	-	-	-	-
3.8810	-	-	-	-	0.2840	-	-	-	-
3.5440	-	-	-	-	0.2410	-	-	-	-
3.2490	-	-	3.2490	-	0.2060	-	-	0.2060	-
2.9890	-	-	-	-	0.1780	-	-	-	-
2.7580	-	-	-	-	0.1540	-	-	-	-
2.5520	-	-	-	-	0.1320	-	-	-	-
2.3890	-	-	-	-	0.1120	-	-	-	-
2.2480	-	-	-	-	0.0950	-	-	-	-
2.2480	-	-	-	-	0.0950	-	-	-	-
2.2480	-	-	-	-	0.0950	-	-	-	-
2.2480	-	-	-	-	0.0950	-	-	-	-
2.2480	-	-	-	-	0.0950	-	-	-	-
1.7080	-	-	-	-	0.0380	-	-	-	-
1.7080	-	-	-	-	0.0380	-	-	-	-
1.7080	-	-	-	-	0.0380	-	-	-	-
1.7080	-	-	-	-	0.0380	-	-	-	-
1.7080	-	-	-	-	0.0380	-	-	-	-
1.5310	-	-	-	-	0.0200	-	-	-	-
1.5310	-	-	-	-	0.0200	-	-	-	-
1.5310	-	-	-	-	0.0200	-	-	-	-
1.5310	-	-	-	-	0.0200	-	-	-	-
1.5310	-	-	-	-	0.0200	-	-	-	-
1.4770	-	-	-	-	0.0150	-	-	-	-
	-	-	3.2490	-		-	-	0.2060	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4810	-	-	-	-	568.2990	-	-	-	-
0.4300	-	-	-	-	568.2990	-	-	-	-
0.3790	-	-	-	-	568.2990	-	-	-	-
0.3300	-	-	-	-	568.2990	-	-	-	-
0.2840	-	-	-	-	568.2990	-	-	-	-
0.2410	-	-	-	-	568.2990	-	-	-	-
0.2060	-	-	0.2060	-	568.2990	-	-	568.2990	-
0.1780	-	-	-	-	568.2990	-	-	-	-
0.1540	-	-	-	-	568.2990	-	-	-	-
0.1320	-	-	-	-	568.2990	-	-	-	-
0.1120	-	-	-	-	568.2990	-	-	-	-
0.0950	-	-	-	-	568.2990	-	-	-	-
0.0950	-	-	-	-	568.2990	-	-	-	-
0.0950	-	-	-	-	568.2990	-	-	-	-
0.0950	-	-	-	-	568.2990	-	-	-	-
0.0950	-	-	-	-	568.2990	-	-	-	-
0.0380	-	-	-	-	568.2990	-	-	-	-
0.0380	-	-	-	-	568.2990	-	-	-	-
0.0380	-	-	-	-	568.2990	-	-	-	-
0.0380	-	-	-	-	568.2990	-	-	-	-
0.0380	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
	-	-	0.2060	-		-	-	568.2990	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0060	-	-	-	-	0.0790	-	-	-	-
0.0060	-	-	-	-	0.0710	-	-	-	-
0.0060	-	-	-	-	0.0650	-	-	-	-
0.0060	-	-	-	-	0.0580	-	-	-	-
0.0060	-	-	-	-	0.0520	-	-	-	-
0.0060	-	-	-	-	0.0460	-	-	-	-
0.0060	-	-	0.0060	-	0.0420	-	-	0.0420	-
0.0060	-	-	-	-	0.0390	-	-	-	-
0.0060	-	-	-	-	0.0370	-	-	-	-
0.0060	-	-	-	-	0.0340	-	-	-	-
0.0060	-	-	-	-	0.0320	-	-	-	-
0.0060	-	-	-	-	0.0310	-	-	-	-
0.0060	-	-	-	-	0.0310	-	-	-	-
0.0060	-	-	-	-	0.0310	-	-	-	-
0.0060	-	-	-	-	0.0310	-	-	-	-
0.0060	-	-	-	-	0.0310	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
	-	-	0.0060	-		-	-	0.0420	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Excavators	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.3900	-	-	-	-		3.1544	-	-	-	-
	2015	0.3837	-	-	-	-		3.1676	-	-	-	-
	2016	0.3575	-	-	-	-		3.1577	-	-	-	-
	2017	0.3336	-	-	-	-		3.1509	-	-	-	-
	2018	0.2731	-	-	-	-		3.0934	-	-	-	-
	2019	0.2462	-	-	-	-		3.0816	-	-	-	-
	2020	0.2314	-	-	0.2314	-		3.0860	-	-	3.0860	-
	2021	0.2164	-	-	-	-		3.0898	-	-	-	-
	2022	0.1912	-	-	-	-		3.0740	-	-	-	-
	2023	0.1782	-	-	-	-		3.0765	-	-	-	-
	2024	0.1702	-	-	-	-		3.0834	-	-	-	-
	2025	0.1578	-	-	-	-		3.0780	-	-	-	-
	2026	0.1578	-	-	-	-		3.0780	-	-	-	-
	2027	0.1578	-	-	-	-		3.0780	-	-	-	-
	2028	0.1578	-	-	-	-		3.0780	-	-	-	-
	2029	0.1578	-	-	-	-		3.0780	-	-	-	-
	2030	0.2130	-	-	-	-		3.3620	-	-	-	-
	2031	0.2130	-	-	-	-		3.3620	-	-	-	-
	2032	0.2130	-	-	-	-		3.3620	-	-	-	-
	2033	0.2130	-	-	-	-		3.3620	-	-	-	-
	2034	0.2130	-	-	-	-		3.3620	-	-	-	-
	2035	0.1970	-	-	-	-		3.3630	-	-	-	-
	2036	0.1970	-	-	-	-		3.3630	-	-	-	-
	2037	0.1970	-	-	-	-		3.3630	-	-	-	-
	2038	0.1970	-	-	-	-		3.3630	-	-	-	-
	2039	0.1970	-	-	-	-		3.3630	-	-	-	-
	2040	0.1930	-	-	-	-		3.3630	-	-	-	-
Excavators Total			-	-	0.2314	-			-	-	3.0860	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
4.6570	-	-	-	-	0.2289	-	-	-	-
4.4807	-	-	-	-	0.2212	-	-	-	-
4.0810	-	-	-	-	0.2008	-	-	-	-
3.6997	-	-	-	-	0.1820	-	-	-	-
2.9236	-	-	-	-	0.1418	-	-	-	-
2.5326	-	-	-	-	0.1221	-	-	-	-
2.2784	-	-	2.2784	-	0.1104	-	-	0.1104	-
2.0336	-	-	-	-	0.0986	-	-	-	-
1.6781	-	-	-	-	0.0811	-	-	-	-
1.4625	-	-	-	-	0.0716	-	-	-	-
1.3248	-	-	-	-	0.0653	-	-	-	-
1.1537	-	-	-	-	0.0566	-	-	-	-
1.1537	-	-	-	-	0.0566	-	-	-	-
1.1537	-	-	-	-	0.0566	-	-	-	-
1.1537	-	-	-	-	0.0566	-	-	-	-
1.1537	-	-	-	-	0.0566	-	-	-	-
0.5250	-	-	-	-	0.0230	-	-	-	-
0.5250	-	-	-	-	0.0230	-	-	-	-
0.5250	-	-	-	-	0.0230	-	-	-	-
0.5250	-	-	-	-	0.0230	-	-	-	-
0.5250	-	-	-	-	0.0230	-	-	-	-
0.3650	-	-	-	-	0.0150	-	-	-	-
0.3650	-	-	-	-	0.0150	-	-	-	-
0.3650	-	-	-	-	0.0150	-	-	-	-
0.3650	-	-	-	-	0.0150	-	-	-	-
0.3650	-	-	-	-	0.0150	-	-	-	-
0.3110	-	-	-	-	0.0130	-	-	-	-
	-	-	2.2784	-		-	-	0.1104	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2106	-	-	-	-	516.9066	-	-	-	-
0.2035	-	-	-	-	511.6869	-	-	-	-
0.1847	-	-	-	-	506.4950	-	-	-	-
0.1675	-	-	-	-	498.5222	-	-	-	-
0.1304	-	-	-	-	490.6725	-	-	-	-
0.1124	-	-	-	-	482.6838	-	-	-	-
0.1015	-	-	0.1015	-	472.2891	-	-	472.2891	-
0.0907	-	-	-	-	472.3586	-	-	-	-
0.0746	-	-	-	-	472.1917	-	-	-	-
0.0659	-	-	-	-	472.2770	-	-	-	-
0.0600	-	-	-	-	472.4279	-	-	-	-
0.0520	-	-	-	-	472.4964	-	-	-	-
0.0520	-	-	-	-	472.4964	-	-	-	-
0.0520	-	-	-	-	472.4964	-	-	-	-
0.0520	-	-	-	-	472.4964	-	-	-	-
0.0520	-	-	-	-	472.4964	-	-	-	-
0.0230	-	-	-	-	568.2990	-	-	-	-
0.0230	-	-	-	-	568.2990	-	-	-	-
0.0230	-	-	-	-	568.2990	-	-	-	-
0.0230	-	-	-	-	568.2990	-	-	-	-
0.0230	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1015	-		-	-	472.2891	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	0.0049	-	0.1527	-	-	0.1527	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
	-	-	0.0049	-		-	-	0.1527	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Forklifts	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.7945	-	-	-	-	4.0794		-	-	-	-
	2015	0.7684	-	-	-	-	4.0635		-	-	-	-
	2016	0.7229	-	-	-	-	4.0231		-	-	-	-
	2017	0.6719	-	-	-	-	3.9788		-	-	-	-
	2018	0.5674	-	-	-	-	3.8582		-	-	-	-
	2019	0.5095	-	-	-	-	3.8039		-	-	-	-
	2020	0.4587	-	-	0.4587	-	3.7595		-	-	3.7595	-
	2021	0.4120	-	-	-	-	3.7200		-	-	-	-
	2022	0.3618	-	-	-	-	3.6751		-	-	-	-
	2023	0.3266	-	-	-	-	3.6466		-	-	-	-
	2024	0.3000	-	-	-	-	3.6291		-	-	-	-
	2025	0.2768	-	-	-	-	3.6114		-	-	-	-
	2026	0.2768	-	-	-	-	3.6114		-	-	-	-
	2027	0.2768	-	-	-	-	3.6114		-	-	-	-
	2028	0.2768	-	-	-	-	3.6114		-	-	-	-
	2029	0.2768	-	-	-	-	3.6114		-	-	-	-
	2030	0.2830	-	-	-	-	3.7990		-	-	-	-
	2031	0.2830	-	-	-	-	3.7990		-	-	-	-
	2032	0.2830	-	-	-	-	3.7990		-	-	-	-
	2033	0.2830	-	-	-	-	3.7990		-	-	-	-
	2034	0.2830	-	-	-	-	3.7990		-	-	-	-
	2035	0.2750	-	-	-	-	3.7870		-	-	-	-
	2036	0.2750	-	-	-	-	3.7870		-	-	-	-
	2037	0.2750	-	-	-	-	3.7870		-	-	-	-
	2038	0.2750	-	-	-	-	3.7870		-	-	-	-
	2039	0.2750	-	-	-	-	3.7870		-	-	-	-
	2040	0.2760	-	-	-	-	3.7940		-	-	-	-
Forklifts Total			-	-	0.4587	-			-	-	3.7595	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
6.8483	-	-	-	-	0.5737	-	-	-	-
6.6009	-	-	-	-	0.5545	-	-	-	-
6.2219	-	-	-	-	0.5203	-	-	-	-
5.8177	-	-	-	-	0.4800	-	-	-	-
5.0153	-	-	-	-	0.4002	-	-	-	-
4.5497	-	-	-	-	0.3525	-	-	-	-
4.1330	-	-	4.1330	-	0.3079	-	-	0.3079	-
3.7559	-	-	-	-	0.2666	-	-	-	-
3.3602	-	-	-	-	0.2226	-	-	-	-
3.0569	-	-	-	-	0.1889	-	-	-	-
2.8143	-	-	-	-	0.1625	-	-	-	-
2.6073	-	-	-	-	0.1396	-	-	-	-
2.6073	-	-	-	-	0.1396	-	-	-	-
2.6073	-	-	-	-	0.1396	-	-	-	-
2.6073	-	-	-	-	0.1396	-	-	-	-
2.6073	-	-	-	-	0.1396	-	-	-	-
1.5550	-	-	-	-	0.0210	-	-	-	-
1.5550	-	-	-	-	0.0210	-	-	-	-
1.5550	-	-	-	-	0.0210	-	-	-	-
1.5550	-	-	-	-	0.0210	-	-	-	-
1.5550	-	-	-	-	0.0210	-	-	-	-
1.4950	-	-	-	-	0.0160	-	-	-	-
1.4950	-	-	-	-	0.0160	-	-	-	-
1.4950	-	-	-	-	0.0160	-	-	-	-
1.4950	-	-	-	-	0.0160	-	-	-	-
1.4950	-	-	-	-	0.0160	-	-	-	-
1.4910	-	-	-	-	0.0160	-	-	-	-
	-	-	4.1330	-		-	-	0.3079	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.5278	-	-	-	-	516.0617	-	-	-	-
0.5101	-	-	-	-	510.8225	-	-	-	-
0.4786	-	-	-	-	505.5833	-	-	-	-
0.4416	-	-	-	-	497.7245	-	-	-	-
0.3682	-	-	-	-	489.8657	-	-	-	-
0.3243	-	-	-	-	482.0069	-	-	-	-
0.2833	-	-	0.2833	-	471.5285	-	-	471.5285	-
0.2453	-	-	-	-	471.5285	-	-	-	-
0.2048	-	-	-	-	471.5285	-	-	-	-
0.1738	-	-	-	-	471.5285	-	-	-	-
0.1495	-	-	-	-	471.5285	-	-	-	-
0.1284	-	-	-	-	471.5285	-	-	-	-
0.1284	-	-	-	-	471.5285	-	-	-	-
0.1284	-	-	-	-	471.5285	-	-	-	-
0.1284	-	-	-	-	471.5285	-	-	-	-
0.1284	-	-	-	-	471.5285	-	-	-	-
0.0210	-	-	-	-	568.2990	-	-	-	-
0.0210	-	-	-	-	568.2990	-	-	-	-
0.0210	-	-	-	-	568.2990	-	-	-	-
0.0210	-	-	-	-	568.2990	-	-	-	-
0.0210	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
	-	-	0.2833	-		-	-	471.5285	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	0.0049	-	0.1525	-	-	0.1525	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
	-	-	0.0049	-		-	-	0.1525	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Generator Sets	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.7210	-	-	-	-	3.5320		-	-	-	-
	2015	0.6510	-	-	-	-	3.4990		-	-	-	-
	2016	0.5830	-	-	-	-	3.4690		-	-	-	-
	2017	0.5200	-	-	-	-	3.4420		-	-	-	-
	2018	0.4610	-	-	-	-	3.4180		-	-	-	-
	2019	0.4050	-	-	-	-	3.3960		-	-	-	-
	2020	0.3640	-	-	0.3640	-	3.3800		-	-	3.3800	-
	2021	0.3260	-	-	-	-	3.3610		-	-	-	-
	2022	0.3010	-	-	-	-	3.3530		-	-	-	-
	2023	0.2790	-	-	-	-	3.3470		-	-	-	-
	2024	0.2600	-	-	-	-	3.3420		-	-	-	-
	2025	0.2430	-	-	-	-	3.3380		-	-	-	-
	2026	0.2430	-	-	-	-	3.3380		-	-	-	-
	2027	0.2430	-	-	-	-	3.3380		-	-	-	-
	2028	0.2430	-	-	-	-	3.3380		-	-	-	-
	2029	0.2430	-	-	-	-	3.3380		-	-	-	-
	2030	0.1780	-	-	-	-	3.3160		-	-	-	-
	2031	0.1780	-	-	-	-	3.3160		-	-	-	-
	2032	0.1780	-	-	-	-	3.3160		-	-	-	-
	2033	0.1780	-	-	-	-	3.3160		-	-	-	-
	2034	0.1780	-	-	-	-	3.3160		-	-	-	-
	2035	0.1560	-	-	-	-	3.3100		-	-	-	-
	2036	0.1560	-	-	-	-	3.3100		-	-	-	-
	2037	0.1560	-	-	-	-	3.3100		-	-	-	-
	2038	0.1560	-	-	-	-	3.3100		-	-	-	-
	2039	0.1560	-	-	-	-	3.3100		-	-	-	-
	2040	0.1520	-	-	-	-	3.3080		-	-	-	-
Generator Sets Total			-	-	0.3640	-			-	-	3.3800	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.1470	-	-	-	-	0.3850	-	-	-	-
4.7690	-	-	-	-	0.3470	-	-	-	-
4.4100	-	-	-	-	0.3090	-	-	-	-
4.0720	-	-	-	-	0.2740	-	-	-	-
3.7520	-	-	-	-	0.2390	-	-	-	-
3.4460	-	-	-	-	0.2060	-	-	-	-
3.1730	-	-	3.1730	-	0.1790	-	-	0.1790	-
2.8880	-	-	-	-	0.1530	-	-	-	-
2.6710	-	-	-	-	0.1340	-	-	-	-
2.4770	-	-	-	-	0.1170	-	-	-	-
2.3210	-	-	-	-	0.1010	-	-	-	-
2.1850	-	-	-	-	0.0870	-	-	-	-
2.1850	-	-	-	-	0.0870	-	-	-	-
2.1850	-	-	-	-	0.0870	-	-	-	-
2.1850	-	-	-	-	0.0870	-	-	-	-
2.1850	-	-	-	-	0.0870	-	-	-	-
1.6450	-	-	-	-	0.0340	-	-	-	-
1.6450	-	-	-	-	0.0340	-	-	-	-
1.6450	-	-	-	-	0.0340	-	-	-	-
1.6450	-	-	-	-	0.0340	-	-	-	-
1.6450	-	-	-	-	0.0340	-	-	-	-
1.4580	-	-	-	-	0.0160	-	-	-	-
1.4580	-	-	-	-	0.0160	-	-	-	-
1.4580	-	-	-	-	0.0160	-	-	-	-
1.4580	-	-	-	-	0.0160	-	-	-	-
1.4580	-	-	-	-	0.0160	-	-	-	-
1.3990	-	-	-	-	0.0120	-	-	-	-
	-	-	3.1730	-		-	-	0.1790	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.3850	-	-	-	-	568.2990	-	-	-	-
0.3470	-	-	-	-	568.2990	-	-	-	-
0.3090	-	-	-	-	568.2990	-	-	-	-
0.2740	-	-	-	-	568.2990	-	-	-	-
0.2390	-	-	-	-	568.2990	-	-	-	-
0.2060	-	-	-	-	568.2990	-	-	-	-
0.1790	-	-	0.1790	-	568.2990	-	-	568.2990	-
0.1530	-	-	-	-	568.2990	-	-	-	-
0.1340	-	-	-	-	568.2990	-	-	-	-
0.1170	-	-	-	-	568.2990	-	-	-	-
0.1010	-	-	-	-	568.2990	-	-	-	-
0.0870	-	-	-	-	568.2990	-	-	-	-
0.0870	-	-	-	-	568.2990	-	-	-	-
0.0870	-	-	-	-	568.2990	-	-	-	-
0.0870	-	-	-	-	568.2990	-	-	-	-
0.0870	-	-	-	-	568.2990	-	-	-	-
0.0340	-	-	-	-	568.2990	-	-	-	-
0.0340	-	-	-	-	568.2990	-	-	-	-
0.0340	-	-	-	-	568.2990	-	-	-	-
0.0340	-	-	-	-	568.2990	-	-	-	-
0.0340	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0120	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1790	-		-	-	568.2990	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	0.0060	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-	-
0.0060	-	-	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Graders	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.3898	-	-	-	-	1.4625		-	-	-	-
	2015	0.3960	-	-	-	-	1.4658		-	-	-	-
	2016	0.3983	-	-	-	-	1.4591		-	-	-	-
	2017	0.3961	-	-	-	-	1.4491		-	-	-	-
	2018	0.3843	-	-	-	-	1.4160		-	-	-	-
	2019	0.3599	-	-	-	-	1.3593		-	-	-	-
	2020	0.3519	-	-	0.3519	-	1.3418		-	-	1.3418	-
	2021	0.3350	-	-	-	-	1.3069		-	-	-	-
	2022	0.3069	-	-	-	-	1.2733		-	-	-	-
	2023	0.2836	-	-	-	-	1.2517		-	-	-	-
	2024	0.2622	-	-	-	-	1.2250		-	-	-	-
	2025	0.2301	-	-	-	-	1.1789		-	-	-	-
	2026	0.2301	-	-	-	-	1.1789		-	-	-	-
	2027	0.2301	-	-	-	-	1.1789		-	-	-	-
	2028	0.2301	-	-	-	-	1.1789		-	-	-	-
	2029	0.2301	-	-	-	-	1.1789		-	-	-	-
	2030	0.2160	-	-	-	-	1.1480		-	-	-	-
	2031	0.2160	-	-	-	-	1.1480		-	-	-	-
	2032	0.2160	-	-	-	-	1.1480		-	-	-	-
	2033	0.2160	-	-	-	-	1.1480		-	-	-	-
	2034	0.2160	-	-	-	-	1.1480		-	-	-	-
	2035	0.1960	-	-	-	-	1.1370		-	-	-	-
	2036	0.1960	-	-	-	-	1.1370		-	-	-	-
	2037	0.1960	-	-	-	-	1.1370		-	-	-	-
	2038	0.1960	-	-	-	-	1.1370		-	-	-	-
	2039	0.1960	-	-	-	-	1.1370		-	-	-	-
	2040	0.1880	-	-	-	-	1.1330		-	-	-	-
Graders Total			-	-	0.3519	-			-	-	1.3418	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.7400	-	-	-	-	0.1853	-	-	-	-
5.7275	-	-	-	-	0.1856	-	-	-	-
5.6628	-	-	-	-	0.1840	-	-	-	-
5.5249	-	-	-	-	0.1802	-	-	-	-
5.2709	-	-	-	-	0.1713	-	-	-	-
4.8658	-	-	-	-	0.1562	-	-	-	-
4.6779	-	-	4.6779	-	0.1495	-	-	0.1495	-
4.3813	-	-	-	-	0.1388	-	-	-	-
3.8881	-	-	-	-	0.1237	-	-	-	-
3.4410	-	-	-	-	0.1115	-	-	-	-
3.0732	-	-	-	-	0.0997	-	-	-	-
2.5563	-	-	-	-	0.0823	-	-	-	-
2.5563	-	-	-	-	0.0823	-	-	-	-
2.5563	-	-	-	-	0.0823	-	-	-	-
2.5563	-	-	-	-	0.0823	-	-	-	-
2.5563	-	-	-	-	0.0823	-	-	-	-
0.6840	-	-	-	-	0.0240	-	-	-	-
0.6840	-	-	-	-	0.0240	-	-	-	-
0.6840	-	-	-	-	0.0240	-	-	-	-
0.6840	-	-	-	-	0.0240	-	-	-	-
0.6840	-	-	-	-	0.0240	-	-	-	-
0.4520	-	-	-	-	0.0160	-	-	-	-
0.4520	-	-	-	-	0.0160	-	-	-	-
0.4520	-	-	-	-	0.0160	-	-	-	-
0.4520	-	-	-	-	0.0160	-	-	-	-
0.4520	-	-	-	-	0.0160	-	-	-	-
0.3600	-	-	-	-	0.0130	-	-	-	-
	-	-	4.6779	-		-	-	0.1495	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1705	-	-	-	-	522.3298	-	-	-	-
0.1708	-	-	-	-	517.1275	-	-	-	-
0.1692	-	-	-	-	511.6959	-	-	-	-
0.1658	-	-	-	-	503.8022	-	-	-	-
0.1576	-	-	-	-	495.4310	-	-	-	-
0.1437	-	-	-	-	486.3288	-	-	-	-
0.1376	-	-	0.1376	-	475.3037	-	-	475.3037	-
0.1277	-	-	-	-	474.5386	-	-	-	-
0.1138	-	-	-	-	474.2390	-	-	-	-
0.1026	-	-	-	-	473.9256	-	-	-	-
0.0917	-	-	-	-	473.6685	-	-	-	-
0.0757	-	-	-	-	473.4704	-	-	-	-
0.0757	-	-	-	-	473.4704	-	-	-	-
0.0757	-	-	-	-	473.4704	-	-	-	-
0.0757	-	-	-	-	473.4704	-	-	-	-
0.0757	-	-	-	-	473.4704	-	-	-	-
0.0240	-	-	-	-	568.2990	-	-	-	-
0.0240	-	-	-	-	568.2990	-	-	-	-
0.0240	-	-	-	-	568.2990	-	-	-	-
0.0240	-	-	-	-	568.2990	-	-	-	-
0.0240	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1376	-		-	-	475.3037	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1544	-	-	-	-
0.0049	-	-	-	-	0.1544	-	-	-	-
0.0049	-	-	-	-	0.1543	-	-	-	-
0.0049	-	-	-	-	0.1544	-	-	-	-
0.0049	-	-	-	-	0.1542	-	-	-	-
0.0049	-	-	-	-	0.1539	-	-	-	-
0.0049	-	-	0.0049	-	0.1537	-	-	0.1537	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0049	-	-	-	-	0.1534	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1532	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
	-	-	0.0049	-		-	-	0.1537	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Off-Highway Tractors	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.4242	-	-	-	-	3.2651		-	-	-	-
	2015	0.4017	-	-	-	-	3.2642		-	-	-	-
	2016	0.3910	-	-	-	-	3.2781		-	-	-	-
	2017	0.3559	-	-	-	-	3.2589		-	-	-	-
	2018	0.3149	-	-	-	-	3.2191		-	-	-	-
	2019	0.2941	-	-	-	-	3.2190		-	-	-	-
	2020	0.2710	-	-	0.2710	-	3.2151		-	-	3.2151	-
	2021	0.2587	-	-	-	-	3.2195		-	-	-	-
	2022	0.2312	-	-	-	-	3.1859		-	-	-	-
	2023	0.2010	-	-	-	-	3.1433		-	-	-	-
	2024	0.1826	-	-	-	-	3.1328		-	-	-	-
	2025	0.1752	-	-	-	-	3.1425		-	-	-	-
	2026	0.1752	-	-	-	-	3.1425		-	-	-	-
	2027	0.1752	-	-	-	-	3.1425		-	-	-	-
	2028	0.1752	-	-	-	-	3.1425		-	-	-	-
	2029	0.1752	-	-	-	-	3.1425		-	-	-	-
	2030	0.3730	-	-	-	-	3.4350		-	-	-	-
	2031	0.3730	-	-	-	-	3.4350		-	-	-	-
	2032	0.3730	-	-	-	-	3.4350		-	-	-	-
	2033	0.3730	-	-	-	-	3.4350		-	-	-	-
	2034	0.3730	-	-	-	-	3.4350		-	-	-	-
	2035	0.3010	-	-	-	-	3.4210		-	-	-	-
	2036	0.3010	-	-	-	-	3.4210		-	-	-	-
	2037	0.3010	-	-	-	-	3.4210		-	-	-	-
	2038	0.3010	-	-	-	-	3.4210		-	-	-	-
	2039	0.3010	-	-	-	-	3.4210		-	-	-	-
	2040	0.2570	-	-	-	-	3.4120		-	-	-	-
Off-Highway Tractors Total			-	-	0.2710	-			-	-	3.2151	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.0253	-	-	-	-	0.2577	-	-	-	-
4.7237	-	-	-	-	0.2393	-	-	-	-
4.5109	-	-	-	-	0.2290	-	-	-	-
4.0259	-	-	-	-	0.2049	-	-	-	-
3.4976	-	-	-	-	0.1756	-	-	-	-
3.2076	-	-	-	-	0.1586	-	-	-	-
2.8903	-	-	2.8903	-	0.1402	-	-	0.1402	-
2.6596	-	-	-	-	0.1286	-	-	-	-
2.2388	-	-	-	-	0.1073	-	-	-	-
1.7848	-	-	-	-	0.0854	-	-	-	-
1.4958	-	-	-	-	0.0715	-	-	-	-
1.3486	-	-	-	-	0.0647	-	-	-	-
1.3486	-	-	-	-	0.0647	-	-	-	-
1.3486	-	-	-	-	0.0647	-	-	-	-
1.3486	-	-	-	-	0.0647	-	-	-	-
1.3486	-	-	-	-	0.0647	-	-	-	-
1.9160	-	-	-	-	0.1040	-	-	-	-
1.9160	-	-	-	-	0.1040	-	-	-	-
1.9160	-	-	-	-	0.1040	-	-	-	-
1.9160	-	-	-	-	0.1040	-	-	-	-
1.9160	-	-	-	-	0.1040	-	-	-	-
1.2520	-	-	-	-	0.0650	-	-	-	-
1.2520	-	-	-	-	0.0650	-	-	-	-
1.2520	-	-	-	-	0.0650	-	-	-	-
1.2520	-	-	-	-	0.0650	-	-	-	-
1.2520	-	-	-	-	0.0650	-	-	-	-
0.8360	-	-	-	-	0.0410	-	-	-	-
	-	-	2.8903	-		-	-	0.1402	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2371	-	-	-	-
0.2201	-	-	-	-
0.2106	-	-	-	-
0.1885	-	-	-	-
0.1616	-	-	-	-
0.1459	-	-	-	-
0.1290	-	-	0.1290	-
0.1183	-	-	-	-
0.0987	-	-	-	-
0.0785	-	-	-	-
0.0658	-	-	-	-
0.0595	-	-	-	-
0.0595	-	-	-	-
0.0595	-	-	-	-
0.0595	-	-	-	-
0.0595	-	-	-	-
0.1040	-	-	-	-
0.1040	-	-	-	-
0.1040	-	-	-	-
0.1040	-	-	-	-
0.1040	-	-	-	-
0.0650	-	-	-	-
0.0650	-	-	-	-
0.0650	-	-	-	-
0.0650	-	-	-	-
0.0650	-	-	-	-
0.0410	-	-	-	-
	-	-	0.1290	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
518.1639	-	-	-	-
512.6079	-	-	-	-
507.6294	-	-	-	-
499.2446	-	-	-	-
491.3128	-	-	-	-
483.4306	-	-	-	-
472.9169	-	-	472.9169	-
472.9236	-	-	-	-
472.8111	-	-	-	-
472.9962	-	-	-	-
473.0970	-	-	-	-
473.3021	-	-	-	-
473.3021	-	-	-	-
473.3021	-	-	-	-
473.3021	-	-	-	-
473.3021	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
	-	-	472.9169	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	0.0049	-	0.1530	-	-	0.1530	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0060	-	-	-	-	0.0330	-	-	-	-
0.0060	-	-	-	-	0.0330	-	-	-	-
0.0060	-	-	-	-	0.0330	-	-	-	-
0.0060	-	-	-	-	0.0330	-	-	-	-
0.0060	-	-	-	-	0.0330	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
	-	-	0.0049	-		-	-	0.1530	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Off-Highway Trucks	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.3934	-	-	-	-	2.0752		-	-	-	-
	2015	0.3845	-	-	-	-	2.0367		-	-	-	-
	2016	0.3514	-	-	-	-	1.8852		-	-	-	-
	2017	0.3253	-	-	-	-	1.7477		-	-	-	-
	2018	0.2870	-	-	-	-	1.5595		-	-	-	-
	2019	0.2635	-	-	-	-	1.4835		-	-	-	-
	2020	0.2461	-	-	0.2461	-	1.4142		-	-	1.4142	-
	2021	0.2249	-	-	-	-	1.3378		-	-	-	-
	2022	0.1961	-	-	-	-	1.2466		-	-	-	-
	2023	0.1870	-	-	-	-	1.2206		-	-	-	-
	2024	0.1845	-	-	-	-	1.2064		-	-	-	-
	2025	0.1773	-	-	-	-	1.1823		-	-	-	-
	2026	0.1773	-	-	-	-	1.1823		-	-	-	-
	2027	0.1773	-	-	-	-	1.1823		-	-	-	-
	2028	0.1773	-	-	-	-	1.1823		-	-	-	-
	2029	0.1773	-	-	-	-	1.1823		-	-	-	-
	2030	0.2160	-	-	-	-	1.1040		-	-	-	-
	2031	0.2160	-	-	-	-	1.1040		-	-	-	-
	2032	0.2160	-	-	-	-	1.1040		-	-	-	-
	2033	0.2160	-	-	-	-	1.1040		-	-	-	-
	2034	0.2160	-	-	-	-	1.1040		-	-	-	-
	2035	0.2080	-	-	-	-	1.1050		-	-	-	-
	2036	0.2080	-	-	-	-	1.1050		-	-	-	-
	2037	0.2080	-	-	-	-	1.1050		-	-	-	-
	2038	0.2080	-	-	-	-	1.1050		-	-	-	-
	2039	0.2080	-	-	-	-	1.1050		-	-	-	-
	2040	0.2040	-	-	-	-	1.1050		-	-	-	-
Off-Highway Trucks Total			-	-	0.2461	-			-	-	1.4142	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
4.6858	-	-	-	-	0.1795	-	-	-	-
4.5279	-	-	-	-	0.1730	-	-	-	-
4.0480	-	-	-	-	0.1527	-	-	-	-
3.6684	-	-	-	-	0.1362	-	-	-	-
3.0900	-	-	-	-	0.1128	-	-	-	-
2.6685	-	-	-	-	0.0970	-	-	-	-
2.3468	-	-	2.3468	-	0.0855	-	-	0.0855	-
1.9536	-	-	-	-	0.0717	-	-	-	-
1.4898	-	-	-	-	0.0542	-	-	-	-
1.3243	-	-	-	-	0.0479	-	-	-	-
1.2352	-	-	-	-	0.0445	-	-	-	-
1.0638	-	-	-	-	0.0380	-	-	-	-
1.0638	-	-	-	-	0.0380	-	-	-	-
1.0638	-	-	-	-	0.0380	-	-	-	-
1.0638	-	-	-	-	0.0380	-	-	-	-
1.0638	-	-	-	-	0.0380	-	-	-	-
0.4580	-	-	-	-	0.0170	-	-	-	-
0.4580	-	-	-	-	0.0170	-	-	-	-
0.4580	-	-	-	-	0.0170	-	-	-	-
0.4580	-	-	-	-	0.0170	-	-	-	-
0.4580	-	-	-	-	0.0170	-	-	-	-
0.3480	-	-	-	-	0.0130	-	-	-	-
0.3480	-	-	-	-	0.0130	-	-	-	-
0.3480	-	-	-	-	0.0130	-	-	-	-
0.3480	-	-	-	-	0.0130	-	-	-	-
0.3480	-	-	-	-	0.0130	-	-	-	-
0.3050	-	-	-	-	0.0120	-	-	-	-
	-	-	2.3468	-		-	-	0.0855	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1652	-	-	-	-	521.0573	-	-	-	-
0.1591	-	-	-	-	515.8419	-	-	-	-
0.1405	-	-	-	-	509.8604	-	-	-	-
0.1253	-	-	-	-	501.4368	-	-	-	-
0.1038	-	-	-	-	493.5059	-	-	-	-
0.0893	-	-	-	-	485.3832	-	-	-	-
0.0787	-	-	0.0787	-	474.5787	-	-	474.5787	-
0.0659	-	-	-	-	474.5420	-	-	-	-
0.0498	-	-	-	-	474.7136	-	-	-	-
0.0441	-	-	-	-	475.0488	-	-	-	-
0.0409	-	-	-	-	475.2203	-	-	-	-
0.0350	-	-	-	-	474.9697	-	-	-	-
0.0350	-	-	-	-	474.9697	-	-	-	-
0.0350	-	-	-	-	474.9697	-	-	-	-
0.0350	-	-	-	-	474.9697	-	-	-	-
0.0350	-	-	-	-	474.9697	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
0.0120	-	-	-	-	568.2990	-	-	-	-
	-	-	0.0787	-		-	-	474.5787	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1540	-	-	-	-
0.0049	-	-	-	-	0.1540	-	-	-	-
0.0049	-	-	-	-	0.1538	-	-	-	-
0.0049	-	-	-	-	0.1536	-	-	-	-
0.0049	-	-	-	-	0.1536	-	-	-	-
0.0049	-	-	-	-	0.1536	-	-	-	-
0.0049	-	-	0.0049	-	0.1535	-	-	0.1535	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0049	-	-	-	-	0.1536	-	-	-	-
0.0049	-	-	-	-	0.1537	-	-	-	-
0.0049	-	-	-	-	0.1536	-	-	-	-
0.0049	-	-	-	-	0.1536	-	-	-	-
0.0049	-	-	-	-	0.1536	-	-	-	-
0.0049	-	-	-	-	0.1536	-	-	-	-
0.0049	-	-	-	-	0.1536	-	-	-	-
0.0050	-	-	-	-	0.0190	-	-	-	-
0.0050	-	-	-	-	0.0190	-	-	-	-
0.0050	-	-	-	-	0.0190	-	-	-	-
0.0050	-	-	-	-	0.0190	-	-	-	-
0.0050	-	-	-	-	0.0190	-	-	-	-
0.0050	-	-	-	-	0.0180	-	-	-	-
0.0050	-	-	-	-	0.0180	-	-	-	-
0.0050	-	-	-	-	0.0180	-	-	-	-
0.0050	-	-	-	-	0.0180	-	-	-	-
0.0050	-	-	-	-	0.0180	-	-	-	-
0.0050	-	-	-	-	0.0180	-	-	-	-
	-	-	0.0049	-		-	-	0.1535	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Other Construction Equipment	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.5665	-	-	-	-	3.3852	-	-	-	-
2015	0.5571	-	-	-	-	3.3818	-	-	-	-
2016	0.5244	-	-	-	-	3.3567	-	-	-	-
2017	0.5004	-	-	-	-	3.3377	-	-	-	-
2018	0.4364	-	-	-	-	3.2635	-	-	-	-
2019	0.4121	-	-	-	-	3.2562	-	-	-	-
2020	0.3877	-	-	0.3877	-	3.2353	-	-	3.2353	-
2021	0.3295	-	-	-	-	3.1828	-	-	-	-
2022	0.2951	-	-	-	-	3.1554	-	-	-	-
2023	0.2735	-	-	-	-	3.1415	-	-	-	-
2024	0.2605	-	-	-	-	3.1495	-	-	-	-
2025	0.2347	-	-	-	-	3.1365	-	-	-	-
2026	0.2347	-	-	-	-	3.1365	-	-	-	-
2027	0.2347	-	-	-	-	3.1365	-	-	-	-
2028	0.2347	-	-	-	-	3.1365	-	-	-	-
2029	0.2347	-	-	-	-	3.1365	-	-	-	-
2030	0.1610	-	-	-	-	3.1270	-	-	-	-
2031	0.1610	-	-	-	-	3.1270	-	-	-	-
2032	0.1610	-	-	-	-	3.1270	-	-	-	-
2033	0.1610	-	-	-	-	3.1270	-	-	-	-
2034	0.1610	-	-	-	-	3.1270	-	-	-	-
2035	0.1500	-	-	-	-	3.1280	-	-	-	-
2036	0.1500	-	-	-	-	3.1280	-	-	-	-
2037	0.1500	-	-	-	-	3.1280	-	-	-	-
2038	0.1500	-	-	-	-	3.1280	-	-	-	-
2039	0.1500	-	-	-	-	3.1280	-	-	-	-
2040	0.1450	-	-	-	-	3.1280	-	-	-	-
Other Construction Equipment Total		-	-	0.3877	-		-	-	3.2353	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
6.3719	-	-	-	-	0.3332	-	-	-	-
6.2305	-	-	-	-	0.3264	-	-	-	-
5.8176	-	-	-	-	0.3059	-	-	-	-
5.4942	-	-	-	-	0.2903	-	-	-	-
4.7550	-	-	-	-	0.2502	-	-	-	-
4.4331	-	-	-	-	0.2335	-	-	-	-
4.1120	-	-	4.1120	-	0.2170	-	-	0.2170	-
3.4385	-	-	-	-	0.1798	-	-	-	-
2.9944	-	-	-	-	0.1562	-	-	-	-
2.6982	-	-	-	-	0.1405	-	-	-	-
2.5202	-	-	-	-	0.1300	-	-	-	-
2.1674	-	-	-	-	0.1121	-	-	-	-
2.1674	-	-	-	-	0.1121	-	-	-	-
2.1674	-	-	-	-	0.1121	-	-	-	-
2.1674	-	-	-	-	0.1121	-	-	-	-
2.1674	-	-	-	-	0.1121	-	-	-	-
0.4590	-	-	-	-	0.0190	-	-	-	-
0.4590	-	-	-	-	0.0190	-	-	-	-
0.4590	-	-	-	-	0.0190	-	-	-	-
0.4590	-	-	-	-	0.0190	-	-	-	-
0.4590	-	-	-	-	0.0190	-	-	-	-
0.3340	-	-	-	-	0.0130	-	-	-	-
0.3340	-	-	-	-	0.0130	-	-	-	-
0.3340	-	-	-	-	0.0130	-	-	-	-
0.3340	-	-	-	-	0.0130	-	-	-	-
0.3340	-	-	-	-	0.0130	-	-	-	-
0.2900	-	-	-	-	0.0110	-	-	-	-
	-	-	4.1120	-		-	-	0.2170	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.3065	-	-	-	-	514.5518	-	-	-	-
0.3003	-	-	-	-	509.3069	-	-	-	-
0.2815	-	-	-	-	503.9641	-	-	-	-
0.2671	-	-	-	-	495.9311	-	-	-	-
0.2302	-	-	-	-	487.9859	-	-	-	-
0.2148	-	-	-	-	480.4518	-	-	-	-
0.1996	-	-	0.1996	-	469.9837	-	-	469.9837	-
0.1654	-	-	-	-	469.7642	-	-	-	-
0.1437	-	-	-	-	469.6126	-	-	-	-
0.1292	-	-	-	-	469.5579	-	-	-	-
0.1196	-	-	-	-	469.5445	-	-	-	-
0.1031	-	-	-	-	469.8430	-	-	-	-
0.1031	-	-	-	-	469.8430	-	-	-	-
0.1031	-	-	-	-	469.8430	-	-	-	-
0.1031	-	-	-	-	469.8430	-	-	-	-
0.1031	-	-	-	-	469.8430	-	-	-	-
0.0190	-	-	-	-	568.2990	-	-	-	-
0.0190	-	-	-	-	568.2990	-	-	-	-
0.0190	-	-	-	-	568.2990	-	-	-	-
0.0190	-	-	-	-	568.2990	-	-	-	-
0.0190	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
0.0110	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1996	-		-	-	469.9837	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0048	-	-	-	-	0.1521	-	-	-	-
0.0048	-	-	-	-	0.1520	-	-	-	-
0.0048	-	-	-	-	0.1520	-	-	-	-
0.0048	-	-	-	-	0.1520	-	-	-	-
0.0048	-	-	-	-	0.1519	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	0.0049	-	0.1520	-	-	0.1520	-
0.0048	-	-	-	-	0.1519	-	-	-	-
0.0048	-	-	-	-	0.1519	-	-	-	-
0.0048	-	-	-	-	0.1519	-	-	-	-
0.0048	-	-	-	-	0.1519	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0060	-	-	-	-	0.0140	-	-	-	-
0.0060	-	-	-	-	0.0140	-	-	-	-
0.0060	-	-	-	-	0.0140	-	-	-	-
0.0060	-	-	-	-	0.0140	-	-	-	-
0.0060	-	-	-	-	0.0140	-	-	-	-
0.0060	-	-	-	-	0.0130	-	-	-	-
0.0060	-	-	-	-	0.0130	-	-	-	-
0.0060	-	-	-	-	0.0130	-	-	-	-
0.0060	-	-	-	-	0.0130	-	-	-	-
0.0060	-	-	-	-	0.0130	-	-	-	-
0.0060	-	-	-	-	0.0130	-	-	-	-
	-	-	0.0049	-		-	-	0.1520	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Other General Industrial Equipment	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.7887	-	-	-	-	4.0901	-	-	-	-
2015	0.7607	-	-	-	-	4.0811	-	-	-	-
2016	0.7155	-	-	-	-	4.0454	-	-	-	-
2017	0.6600	-	-	-	-	3.9981	-	-	-	-
2018	0.5573	-	-	-	-	3.8763	-	-	-	-
2019	0.4997	-	-	-	-	3.8213	-	-	-	-
2020	0.4460	-	-	0.4460	-	3.7707	-	-	3.7707	-
2021	0.4037	-	-	-	-	3.7403	-	-	-	-
2022	0.3387	-	-	-	-	3.6682	-	-	-	-
2023	0.3076	-	-	-	-	3.6470	-	-	-	-
2024	0.2872	-	-	-	-	3.6393	-	-	-	-
2025	0.2575	-	-	-	-	3.6120	-	-	-	-
2026	0.2575	-	-	-	-	3.6120	-	-	-	-
2027	0.2575	-	-	-	-	3.6120	-	-	-	-
2028	0.2575	-	-	-	-	3.6120	-	-	-	-
2029	0.2575	-	-	-	-	3.6120	-	-	-	-
2030	0.3090	-	-	-	-	3.8020	-	-	-	-
2031	0.3090	-	-	-	-	3.8020	-	-	-	-
2032	0.3090	-	-	-	-	3.8020	-	-	-	-
2033	0.3090	-	-	-	-	3.8020	-	-	-	-
2034	0.3090	-	-	-	-	3.8020	-	-	-	-
2035	0.2820	-	-	-	-	3.7940	-	-	-	-
2036	0.2820	-	-	-	-	3.7940	-	-	-	-
2037	0.2820	-	-	-	-	3.7940	-	-	-	-
2038	0.2820	-	-	-	-	3.7940	-	-	-	-
2039	0.2820	-	-	-	-	3.7940	-	-	-	-
2040	0.2770	-	-	-	-	3.7940	-	-	-	-
Other General Industrial Equipment Total		-	-	0.4460	-		-	-	3.7707	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
6.7228	-	-	-	-	0.5739	-	-	-	-
6.5016	-	-	-	-	0.5528	-	-	-	-
6.1441	-	-	-	-	0.5178	-	-	-	-
5.7214	-	-	-	-	0.4705	-	-	-	-
4.9546	-	-	-	-	0.3917	-	-	-	-
4.4967	-	-	-	-	0.3429	-	-	-	-
4.0608	-	-	4.0608	-	0.2959	-	-	0.2959	-
3.7177	-	-	-	-	0.2559	-	-	-	-
3.1997	-	-	-	-	0.1991	-	-	-	-
2.9239	-	-	-	-	0.1685	-	-	-	-
2.7078	-	-	-	-	0.1459	-	-	-	-
2.4389	-	-	-	-	0.1181	-	-	-	-
2.4389	-	-	-	-	0.1181	-	-	-	-
2.4389	-	-	-	-	0.1181	-	-	-	-
2.4389	-	-	-	-	0.1181	-	-	-	-
2.4389	-	-	-	-	0.1181	-	-	-	-
1.7660	-	-	-	-	0.0430	-	-	-	-
1.7660	-	-	-	-	0.0430	-	-	-	-
1.7660	-	-	-	-	0.0430	-	-	-	-
1.7660	-	-	-	-	0.0430	-	-	-	-
1.7660	-	-	-	-	0.0430	-	-	-	-
1.5670	-	-	-	-	0.0220	-	-	-	-
1.5670	-	-	-	-	0.0220	-	-	-	-
1.5670	-	-	-	-	0.0220	-	-	-	-
1.5670	-	-	-	-	0.0220	-	-	-	-
1.5670	-	-	-	-	0.0220	-	-	-	-
1.5060	-	-	-	-	0.0170	-	-	-	-
	-	-	4.0608	-		-	-	0.2959	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.5280	-	-	-	-	514.3886	-	-	-	-
0.5086	-	-	-	-	509.1664	-	-	-	-
0.4764	-	-	-	-	503.9442	-	-	-	-
0.4328	-	-	-	-	496.1109	-	-	-	-
0.3604	-	-	-	-	488.2775	-	-	-	-
0.3155	-	-	-	-	480.4442	-	-	-	-
0.2722	-	-	0.2722	-	469.9998	-	-	469.9998	-
0.2354	-	-	-	-	469.9998	-	-	-	-
0.1831	-	-	-	-	469.9998	-	-	-	-
0.1550	-	-	-	-	469.9998	-	-	-	-
0.1342	-	-	-	-	469.9998	-	-	-	-
0.1086	-	-	-	-	469.9998	-	-	-	-
0.1086	-	-	-	-	469.9998	-	-	-	-
0.1086	-	-	-	-	469.9998	-	-	-	-
0.1086	-	-	-	-	469.9998	-	-	-	-
0.1086	-	-	-	-	469.9998	-	-	-	-
0.0430	-	-	-	-	568.2990	-	-	-	-
0.0430	-	-	-	-	568.2990	-	-	-	-
0.0430	-	-	-	-	568.2990	-	-	-	-
0.0430	-	-	-	-	568.2990	-	-	-	-
0.0430	-	-	-	-	568.2990	-	-	-	-
0.0220	-	-	-	-	568.3000	-	-	-	-
0.0220	-	-	-	-	568.3000	-	-	-	-
0.0220	-	-	-	-	568.3000	-	-	-	-
0.0220	-	-	-	-	568.3000	-	-	-	-
0.0220	-	-	-	-	568.3000	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
	-	-	0.2722	-		-	-	469.9998	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0048	-	-	-	-	0.1520	-	-	-	-
0.0048	-	-	-	-	0.1520	-	-	-	-
0.0048	-	-	-	-	0.1520	-	-	-	-
0.0048	-	-	-	-	0.1520	-	-	-	-
0.0048	-	-	-	-	0.1520	-	-	-	-
0.0048	-	-	-	-	0.1520	-	-	-	-
0.0048	-	-	0.0048	-	0.1520	-	-	0.1520	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
	-	-	0.0048	-		-	-	0.1520	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Other Material Handling Equipment	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.5283	-	-	-	-	3.4306	-	-	-	-
2015	0.5251	-	-	-	-	3.4330	-	-	-	-
2016	0.4888	-	-	-	-	3.4182	-	-	-	-
2017	0.4269	-	-	-	-	3.3512	-	-	-	-
2018	0.3265	-	-	-	-	3.2180	-	-	-	-
2019	0.2796	-	-	-	-	3.1852	-	-	-	-
2020	0.2520	-	-	0.2520	-	3.1709	-	-	3.1709	-
2021	0.2488	-	-	-	-	3.1964	-	-	-	-
2022	0.2256	-	-	-	-	3.1761	-	-	-	-
2023	0.2169	-	-	-	-	3.1707	-	-	-	-
2024	0.2083	-	-	-	-	3.1811	-	-	-	-
2025	0.1892	-	-	-	-	3.1679	-	-	-	-
2026	0.1892	-	-	-	-	3.1679	-	-	-	-
2027	0.1892	-	-	-	-	3.1679	-	-	-	-
2028	0.1892	-	-	-	-	3.1679	-	-	-	-
2029	0.1892	-	-	-	-	3.1679	-	-	-	-
2030	0.2200	-	-	-	-	3.3410	-	-	-	-
2031	0.2200	-	-	-	-	3.3410	-	-	-	-
2032	0.2200	-	-	-	-	3.3410	-	-	-	-
2033	0.2200	-	-	-	-	3.3410	-	-	-	-
2034	0.2200	-	-	-	-	3.3410	-	-	-	-
2035	0.1960	-	-	-	-	3.3380	-	-	-	-
2036	0.1960	-	-	-	-	3.3380	-	-	-	-
2037	0.1960	-	-	-	-	3.3380	-	-	-	-
2038	0.1960	-	-	-	-	3.3380	-	-	-	-
2039	0.1960	-	-	-	-	3.3380	-	-	-	-
2040	0.1880	-	-	-	-	3.3390	-	-	-	-
Other Material Handling Equipment Total		-	-	0.2520	-		-	-	3.1709	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.7976	-	-	-	-	0.3128	-	-	-	-
5.6445	-	-	-	-	0.3060	-	-	-	-
5.2115	-	-	-	-	0.2795	-	-	-	-
4.4881	-	-	-	-	0.2379	-	-	-	-
3.3323	-	-	-	-	0.1725	-	-	-	-
2.7737	-	-	-	-	0.1388	-	-	-	-
2.3665	-	-	2.3665	-	0.1181	-	-	0.1181	-
2.2463	-	-	-	-	0.1138	-	-	-	-
1.8938	-	-	-	-	0.1028	-	-	-	-
1.7690	-	-	-	-	0.0959	-	-	-	-
1.6386	-	-	-	-	0.0880	-	-	-	-
1.3958	-	-	-	-	0.0724	-	-	-	-
1.3958	-	-	-	-	0.0724	-	-	-	-
1.3958	-	-	-	-	0.0724	-	-	-	-
1.3958	-	-	-	-	0.0724	-	-	-	-
1.3958	-	-	-	-	0.0724	-	-	-	-
0.6400	-	-	-	-	0.0280	-	-	-	-
0.6400	-	-	-	-	0.0280	-	-	-	-
0.6400	-	-	-	-	0.0280	-	-	-	-
0.6400	-	-	-	-	0.0280	-	-	-	-
0.6400	-	-	-	-	0.0280	-	-	-	-
0.3980	-	-	-	-	0.0160	-	-	-	-
0.3980	-	-	-	-	0.0160	-	-	-	-
0.3980	-	-	-	-	0.0160	-	-	-	-
0.3980	-	-	-	-	0.0160	-	-	-	-
0.3980	-	-	-	-	0.0160	-	-	-	-
0.3140	-	-	-	-	0.0120	-	-	-	-
	-	-	2.3665	-		-	-	0.1181	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2877	-	-	-	-	516.8178	-	-	-	-
0.2815	-	-	-	-	511.5709	-	-	-	-
0.2571	-	-	-	-	506.3240	-	-	-	-
0.2189	-	-	-	-	498.4537	-	-	-	-
0.1587	-	-	-	-	490.5834	-	-	-	-
0.1277	-	-	-	-	482.7131	-	-	-	-
0.1086	-	-	0.1086	-	472.2193	-	-	472.2193	-
0.1047	-	-	-	-	472.2193	-	-	-	-
0.0945	-	-	-	-	472.2193	-	-	-	-
0.0882	-	-	-	-	472.2193	-	-	-	-
0.0809	-	-	-	-	472.2193	-	-	-	-
0.0666	-	-	-	-	472.2193	-	-	-	-
0.0666	-	-	-	-	472.2193	-	-	-	-
0.0666	-	-	-	-	472.2193	-	-	-	-
0.0666	-	-	-	-	472.2193	-	-	-	-
0.0666	-	-	-	-	472.2193	-	-	-	-
0.0280	-	-	-	-	568.2990	-	-	-	-
0.0280	-	-	-	-	568.2990	-	-	-	-
0.0280	-	-	-	-	568.2990	-	-	-	-
0.0280	-	-	-	-	568.2990	-	-	-	-
0.0280	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0120	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1086	-		-	-	472.2193	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	0.0049	-	0.1527	-	-	0.1527	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
	-	-	0.0049	-		-	-	0.1527	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Pavers	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.5024	-	-	-	-	3.1146		-	-	-	-
	2015	0.4894	-	-	-	-	3.1155		-	-	-	-
	2016	0.4332	-	-	-	-	3.0802		-	-	-	-
	2017	0.3889	-	-	-	-	3.0628		-	-	-	-
	2018	0.3387	-	-	-	-	3.0391		-	-	-	-
	2019	0.2988	-	-	-	-	3.0132		-	-	-	-
	2020	0.2728	-	-	0.2728	-	3.0097		-	-	3.0097	-
	2021	0.2557	-	-	-	-	3.0165		-	-	-	-
	2022	0.2148	-	-	-	-	2.9948		-	-	-	-
	2023	0.1993	-	-	-	-	2.9940		-	-	-	-
	2024	0.1907	-	-	-	-	3.0042		-	-	-	-
	2025	0.1805	-	-	-	-	3.0071		-	-	-	-
	2026	0.1805	-	-	-	-	3.0071		-	-	-	-
	2027	0.1805	-	-	-	-	3.0071		-	-	-	-
	2028	0.1805	-	-	-	-	3.0071		-	-	-	-
	2029	0.1805	-	-	-	-	3.0071		-	-	-	-
	2030	0.3000	-	-	-	-	3.3260		-	-	-	-
	2031	0.3000	-	-	-	-	3.3260		-	-	-	-
	2032	0.3000	-	-	-	-	3.3260		-	-	-	-
	2033	0.3000	-	-	-	-	3.3260		-	-	-	-
	2034	0.3000	-	-	-	-	3.3260		-	-	-	-
	2035	0.2440	-	-	-	-	3.3190		-	-	-	-
	2036	0.2440	-	-	-	-	3.3190		-	-	-	-
	2037	0.2440	-	-	-	-	3.3190		-	-	-	-
	2038	0.2440	-	-	-	-	3.3190		-	-	-	-
	2039	0.2440	-	-	-	-	3.3190		-	-	-	-
	2040	0.2130	-	-	-	-	3.3190		-	-	-	-
Pavers Total			-	-	0.2728	-			-	-	3.0097	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.7363	-	-	-	-	0.2869	-	-	-	-
5.5367	-	-	-	-	0.2774	-	-	-	-
4.8740	-	-	-	-	0.2422	-	-	-	-
4.3531	-	-	-	-	0.2142	-	-	-	-
3.7472	-	-	-	-	0.1831	-	-	-	-
3.2447	-	-	-	-	0.1589	-	-	-	-
2.9183	-	-	2.9183	-	0.1419	-	-	0.1419	-
2.6948	-	-	-	-	0.1302	-	-	-	-
2.1796	-	-	-	-	0.1036	-	-	-	-
1.9552	-	-	-	-	0.0920	-	-	-	-
1.8088	-	-	-	-	0.0845	-	-	-	-
1.6440	-	-	-	-	0.0770	-	-	-	-
1.6440	-	-	-	-	0.0770	-	-	-	-
1.6440	-	-	-	-	0.0770	-	-	-	-
1.6440	-	-	-	-	0.0770	-	-	-	-
1.6440	-	-	-	-	0.0770	-	-	-	-
1.4250	-	-	-	-	0.0740	-	-	-	-
1.4250	-	-	-	-	0.0740	-	-	-	-
1.4250	-	-	-	-	0.0740	-	-	-	-
1.4250	-	-	-	-	0.0740	-	-	-	-
1.4250	-	-	-	-	0.0740	-	-	-	-
0.8890	-	-	-	-	0.0430	-	-	-	-
0.8890	-	-	-	-	0.0430	-	-	-	-
0.8890	-	-	-	-	0.0430	-	-	-	-
0.8890	-	-	-	-	0.0430	-	-	-	-
0.8890	-	-	-	-	0.0430	-	-	-	-
0.5830	-	-	-	-	0.0270	-	-	-	-
	-	-	2.9183	-		-	-	0.1419	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2639	-	-	-	-	516.7450	-	-	-	-
0.2552	-	-	-	-	511.6457	-	-	-	-
0.2228	-	-	-	-	506.5401	-	-	-	-
0.1971	-	-	-	-	498.9670	-	-	-	-
0.1684	-	-	-	-	491.3220	-	-	-	-
0.1462	-	-	-	-	483.3938	-	-	-	-
0.1305	-	-	0.1305	-	472.7746	-	-	472.7746	-
0.1198	-	-	-	-	472.5552	-	-	-	-
0.0953	-	-	-	-	472.7599	-	-	-	-
0.0846	-	-	-	-	472.7178	-	-	-	-
0.0777	-	-	-	-	472.6605	-	-	-	-
0.0708	-	-	-	-	472.4850	-	-	-	-
0.0708	-	-	-	-	472.4850	-	-	-	-
0.0708	-	-	-	-	472.4850	-	-	-	-
0.0708	-	-	-	-	472.4850	-	-	-	-
0.0708	-	-	-	-	472.4850	-	-	-	-
0.0740	-	-	-	-	568.2990	-	-	-	-
0.0740	-	-	-	-	568.2990	-	-	-	-
0.0740	-	-	-	-	568.2990	-	-	-	-
0.0740	-	-	-	-	568.2990	-	-	-	-
0.0740	-	-	-	-	568.2990	-	-	-	-
0.0430	-	-	-	-	568.2990	-	-	-	-
0.0430	-	-	-	-	568.2990	-	-	-	-
0.0430	-	-	-	-	568.2990	-	-	-	-
0.0430	-	-	-	-	568.2990	-	-	-	-
0.0430	-	-	-	-	568.2990	-	-	-	-
0.0270	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1305	-		-	-	472.7746	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	0.0049	-	0.1529	-	-	0.1529	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
	-	-	0.0049	-		-	-	0.1529	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Paving Equipment	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.4151	-	-	-	-	3.0969		-	-	-	-
	2015	0.4108	-	-	-	-	3.1040		-	-	-	-
	2016	0.3718	-	-	-	-	3.0811		-	-	-	-
	2017	0.3425	-	-	-	-	3.0732		-	-	-	-
	2018	0.2837	-	-	-	-	3.0260		-	-	-	-
	2019	0.2541	-	-	-	-	3.0109		-	-	-	-
	2020	0.2475	-	-	0.2475	-	3.0239		-	-	3.0239	-
	2021	0.2291	-	-	-	-	3.0323		-	-	-	-
	2022	0.2127	-	-	-	-	3.0378		-	-	-	-
	2023	0.2037	-	-	-	-	3.0506		-	-	-	-
	2024	0.1966	-	-	-	-	3.0662		-	-	-	-
	2025	0.1752	-	-	-	-	3.0384		-	-	-	-
	2026	0.1752	-	-	-	-	3.0384		-	-	-	-
	2027	0.1752	-	-	-	-	3.0384		-	-	-	-
	2028	0.1752	-	-	-	-	3.0384		-	-	-	-
	2029	0.1752	-	-	-	-	3.0384		-	-	-	-
	2030	0.2900	-	-	-	-	3.3060		-	-	-	-
	2031	0.2900	-	-	-	-	3.3060		-	-	-	-
	2032	0.2900	-	-	-	-	3.3060		-	-	-	-
	2033	0.2900	-	-	-	-	3.3060		-	-	-	-
	2034	0.2900	-	-	-	-	3.3060		-	-	-	-
	2035	0.2350	-	-	-	-	3.3030		-	-	-	-
	2036	0.2350	-	-	-	-	3.3030		-	-	-	-
	2037	0.2350	-	-	-	-	3.3030		-	-	-	-
	2038	0.2350	-	-	-	-	3.3030		-	-	-	-
	2039	0.2350	-	-	-	-	3.3030		-	-	-	-
	2040	0.2050	-	-	-	-	3.3040		-	-	-	-
Paving Equipment Total			-	-	0.2475	-			-	-	3.0239	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.2157	-	-	-	-	0.2488	-	-	-	-
4.9656	-	-	-	-	0.2423	-	-	-	-
4.3217	-	-	-	-	0.2145	-	-	-	-
3.8963	-	-	-	-	0.1946	-	-	-	-
3.1721	-	-	-	-	0.1553	-	-	-	-
2.6924	-	-	-	-	0.1336	-	-	-	-
2.5550	-	-	2.5550	-	0.1278	-	-	0.1278	-
2.3151	-	-	-	-	0.1143	-	-	-	-
2.0733	-	-	-	-	0.1011	-	-	-	-
1.9126	-	-	-	-	0.0930	-	-	-	-
1.7851	-	-	-	-	0.0862	-	-	-	-
1.5090	-	-	-	-	0.0746	-	-	-	-
1.5090	-	-	-	-	0.0746	-	-	-	-
1.5090	-	-	-	-	0.0746	-	-	-	-
1.5090	-	-	-	-	0.0746	-	-	-	-
1.5090	-	-	-	-	0.0746	-	-	-	-
1.3630	-	-	-	-	0.0700	-	-	-	-
1.3630	-	-	-	-	0.0700	-	-	-	-
1.3630	-	-	-	-	0.0700	-	-	-	-
1.3630	-	-	-	-	0.0700	-	-	-	-
1.3630	-	-	-	-	0.0700	-	-	-	-
0.8320	-	-	-	-	0.0400	-	-	-	-
0.8320	-	-	-	-	0.0400	-	-	-	-
0.8320	-	-	-	-	0.0400	-	-	-	-
0.8320	-	-	-	-	0.0400	-	-	-	-
0.8320	-	-	-	-	0.0400	-	-	-	-
0.5360	-	-	-	-	0.0250	-	-	-	-
	-	-	2.5550	-		-	-	0.1278	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2289	-	-	-	-	515.0343	-	-	-	-
0.2229	-	-	-	-	509.8942	-	-	-	-
0.1973	-	-	-	-	504.8201	-	-	-	-
0.1791	-	-	-	-	497.1480	-	-	-	-
0.1429	-	-	-	-	489.2024	-	-	-	-
0.1229	-	-	-	-	481.2251	-	-	-	-
0.1176	-	-	0.1176	-	470.7359	-	-	470.7359	-
0.1052	-	-	-	-	470.6495	-	-	-	-
0.0930	-	-	-	-	470.6646	-	-	-	-
0.0856	-	-	-	-	470.6630	-	-	-	-
0.0793	-	-	-	-	470.6614	-	-	-	-
0.0687	-	-	-	-	470.4844	-	-	-	-
0.0687	-	-	-	-	470.4844	-	-	-	-
0.0687	-	-	-	-	470.4844	-	-	-	-
0.0687	-	-	-	-	470.4844	-	-	-	-
0.0687	-	-	-	-	470.4844	-	-	-	-
0.0700	-	-	-	-	568.2990	-	-	-	-
0.0700	-	-	-	-	568.2990	-	-	-	-
0.0700	-	-	-	-	568.2990	-	-	-	-
0.0700	-	-	-	-	568.2990	-	-	-	-
0.0700	-	-	-	-	568.2990	-	-	-	-
0.0400	-	-	-	-	568.2990	-	-	-	-
0.0400	-	-	-	-	568.2990	-	-	-	-
0.0400	-	-	-	-	568.2990	-	-	-	-
0.0400	-	-	-	-	568.2990	-	-	-	-
0.0400	-	-	-	-	568.2990	-	-	-	-
0.0250	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1176	-		-	-	470.7359	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1523	-	-	-	-
0.0049	-	-	-	-	0.1523	-	-	-	-
0.0049	-	-	-	-	0.1523	-	-	-	-
0.0049	-	-	-	-	0.1523	-	-	-	-
0.0049	-	-	0.0049	-	0.1522	-	-	0.1522	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0060	-	-	-	-	0.0260	-	-	-	-
0.0060	-	-	-	-	0.0260	-	-	-	-
0.0060	-	-	-	-	0.0260	-	-	-	-
0.0060	-	-	-	-	0.0260	-	-	-	-
0.0060	-	-	-	-	0.0260	-	-	-	-
0.0060	-	-	-	-	0.0210	-	-	-	-
0.0060	-	-	-	-	0.0210	-	-	-	-
0.0060	-	-	-	-	0.0210	-	-	-	-
0.0060	-	-	-	-	0.0210	-	-	-	-
0.0060	-	-	-	-	0.0210	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
	-	-	0.0049	-		-	-	0.1522	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Plate Compactors	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.6610	-	-	-	-	3.4690		-	-	-	-
	2015	0.6610	-	-	-	-	3.4690		-	-	-	-
	2016	0.6610	-	-	-	-	3.4690		-	-	-	-
	2017	0.6610	-	-	-	-	3.4690		-	-	-	-
	2018	0.6610	-	-	-	-	3.4700		-	-	-	-
	2019	0.6610	-	-	-	-	3.4690		-	-	-	-
	2020	0.6610	-	-	0.6610	-	3.4690		-	-	3.4690	-
	2021	0.6610	-	-	-	-	3.4690		-	-	-	-
	2022	0.6610	-	-	-	-	3.4690		-	-	-	-
	2023	0.6610	-	-	-	-	3.4690		-	-	-	-
	2024	0.6610	-	-	-	-	3.4690		-	-	-	-
	2025	0.6610	-	-	-	-	3.4690		-	-	-	-
	2026	0.6610	-	-	-	-	3.4690		-	-	-	-
	2027	0.6610	-	-	-	-	3.4690		-	-	-	-
	2028	0.6610	-	-	-	-	3.4690		-	-	-	-
	2029	0.6610	-	-	-	-	3.4690		-	-	-	-
	2030	0.6610	-	-	-	-	3.4690		-	-	-	-
	2031	0.6610	-	-	-	-	3.4690		-	-	-	-
	2032	0.6610	-	-	-	-	3.4690		-	-	-	-
	2033	0.6610	-	-	-	-	3.4690		-	-	-	-
	2034	0.6610	-	-	-	-	3.4690		-	-	-	-
	2035	0.6610	-	-	-	-	3.4700		-	-	-	-
	2036	0.6610	-	-	-	-	3.4700		-	-	-	-
	2037	0.6610	-	-	-	-	3.4700		-	-	-	-
	2038	0.6610	-	-	-	-	3.4700		-	-	-	-
	2039	0.6610	-	-	-	-	3.4700		-	-	-	-
	2040	0.6610	-	-	-	-	3.4690		-	-	-	-
Plate Compactors Total			-	-	0.6610	-			-	-	3.4690	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	4.1420	-	0.1610	-	-	0.1610	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
	-	-	4.1420	-		-	-	0.1610	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.3000	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	0.1610	-	568.2990	-	-	568.2990	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1610	-		-	-	568.2990	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	0.0080	-	0.0590	-	-	0.0590	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
	-	-	0.0080	-		-	-	0.0590	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	0.0048	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
	-	-	0.0048	-

Pressure Washers	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.7830	-	-	-	-	3.7230		-	-	-	-
	2015	0.7470	-	-	-	-	3.6570		-	-	-	-
	2016	0.7200	-	-	-	-	3.6220		-	-	-	-
	2017	0.6990	-	-	-	-	3.5990		-	-	-	-
	2018	0.6790	-	-	-	-	3.5800		-	-	-	-
	2019	0.6620	-	-	-	-	3.5620		-	-	-	-
	2020	0.6460	-	-	0.6460	-	3.5460		-	-	3.5460	-
	2021	0.6340	-	-	-	-	3.5310		-	-	-	-
	2022	0.6260	-	-	-	-	3.5190		-	-	-	-
	2023	0.6180	-	-	-	-	3.5080		-	-	-	-
	2024	0.6120	-	-	-	-	3.4990		-	-	-	-
	2025	0.6070	-	-	-	-	3.4910		-	-	-	-
	2026	0.6070	-	-	-	-	3.4910		-	-	-	-
	2027	0.6070	-	-	-	-	3.4910		-	-	-	-
	2028	0.6070	-	-	-	-	3.4910		-	-	-	-
	2029	0.6070	-	-	-	-	3.4910		-	-	-	-
	2030	0.5920	-	-	-	-	3.4700		-	-	-	-
	2031	0.5920	-	-	-	-	3.4700		-	-	-	-
	2032	0.5920	-	-	-	-	3.4700		-	-	-	-
	2033	0.5920	-	-	-	-	3.4700		-	-	-	-
	2034	0.5920	-	-	-	-	3.4700		-	-	-	-
	2035	0.5890	-	-	-	-	3.4700		-	-	-	-
	2036	0.5890	-	-	-	-	3.4700		-	-	-	-
	2037	0.5890	-	-	-	-	3.4700		-	-	-	-
	2038	0.5890	-	-	-	-	3.4700		-	-	-	-
	2039	0.5890	-	-	-	-	3.4700		-	-	-	-
	2040	0.5890	-	-	-	-	3.4690		-	-	-	-
Pressure Washers Total			-	-	0.6460	-			-	-	3.5460	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.3690	-	-	-	-	0.2980	-	-	-	-
5.1410	-	-	-	-	0.2800	-	-	-	-
4.9780	-	-	-	-	0.2640	-	-	-	-
4.8470	-	-	-	-	0.2500	-	-	-	-
4.7280	-	-	-	-	0.2370	-	-	-	-
4.6170	-	-	-	-	0.2240	-	-	-	-
4.5160	-	-	4.5160	-	0.2120	-	-	0.2120	-
4.4410	-	-	-	-	0.2010	-	-	-	-
4.3900	-	-	-	-	0.1930	-	-	-	-
4.3450	-	-	-	-	0.1860	-	-	-	-
4.3050	-	-	-	-	0.1810	-	-	-	-
4.2690	-	-	-	-	0.1780	-	-	-	-
4.2690	-	-	-	-	0.1780	-	-	-	-
4.2690	-	-	-	-	0.1780	-	-	-	-
4.2690	-	-	-	-	0.1780	-	-	-	-
4.2690	-	-	-	-	0.1780	-	-	-	-
4.1640	-	-	-	-	0.1660	-	-	-	-
4.1640	-	-	-	-	0.1660	-	-	-	-
4.1640	-	-	-	-	0.1660	-	-	-	-
4.1640	-	-	-	-	0.1660	-	-	-	-
4.1640	-	-	-	-	0.1660	-	-	-	-
4.1430	-	-	-	-	0.1620	-	-	-	-
4.1430	-	-	-	-	0.1620	-	-	-	-
4.1430	-	-	-	-	0.1620	-	-	-	-
4.1430	-	-	-	-	0.1620	-	-	-	-
4.1430	-	-	-	-	0.1620	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
	-	-	4.5160	-		-	-	0.2120	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2980	-	-	-	-	568.2990	-	-	-	-
0.2800	-	-	-	-	568.2990	-	-	-	-
0.2640	-	-	-	-	568.2990	-	-	-	-
0.2500	-	-	-	-	568.2990	-	-	-	-
0.2370	-	-	-	-	568.2990	-	-	-	-
0.2240	-	-	-	-	568.2990	-	-	-	-
0.2120	-	-	0.2120	-	568.2990	-	-	568.2990	-
0.2010	-	-	-	-	568.2990	-	-	-	-
0.1930	-	-	-	-	568.2990	-	-	-	-
0.1860	-	-	-	-	568.2990	-	-	-	-
0.1810	-	-	-	-	568.2990	-	-	-	-
0.1780	-	-	-	-	568.2990	-	-	-	-
0.1780	-	-	-	-	568.2990	-	-	-	-
0.1780	-	-	-	-	568.2990	-	-	-	-
0.1780	-	-	-	-	568.2990	-	-	-	-
0.1780	-	-	-	-	568.2990	-	-	-	-
0.1660	-	-	-	-	568.3000	-	-	-	-
0.1660	-	-	-	-	568.3000	-	-	-	-
0.1660	-	-	-	-	568.3000	-	-	-	-
0.1660	-	-	-	-	568.3000	-	-	-	-
0.1660	-	-	-	-	568.3000	-	-	-	-
0.1620	-	-	-	-	568.3000	-	-	-	-
0.1620	-	-	-	-	568.3000	-	-	-	-
0.1620	-	-	-	-	568.3000	-	-	-	-
0.1620	-	-	-	-	568.3000	-	-	-	-
0.1620	-	-	-	-	568.3000	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
	-	-	0.2120	-		-	-	568.2990	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0080	-	-	-	-
0.0080	-	-	-	-
0.0080	-	-	-	-
0.0080	-	-	-	-
0.0080	-	-	-	-
0.0080	-	-	-	-
0.0080	-	-	0.0080	-
0.0080	-	-	-	-
0.0080	-	-	-	-
0.0080	-	-	-	-
0.0080	-	-	-	-
0.0080	-	-	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	0.0048	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
	-	-	0.0048	-

Pumps	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.7510	-	-	-	-	3.5870		-	-	-	-
	2015	0.6790	-	-	-	-	3.5540		-	-	-	-
	2016	0.6100	-	-	-	-	3.5230		-	-	-	-
	2017	0.5460	-	-	-	-	3.4950		-	-	-	-
	2018	0.4850	-	-	-	-	3.4710		-	-	-	-
	2019	0.4290	-	-	-	-	3.4490		-	-	-	-
	2020	0.3860	-	-	0.3860	-	3.4320		-	-	3.4320	-
	2021	0.3470	-	-	-	-	3.4120		-	-	-	-
	2022	0.3210	-	-	-	-	3.4040		-	-	-	-
	2023	0.2990	-	-	-	-	3.3980		-	-	-	-
	2024	0.2790	-	-	-	-	3.3930		-	-	-	-
	2025	0.2610	-	-	-	-	3.3890		-	-	-	-
	2026	0.2610	-	-	-	-	3.3890		-	-	-	-
	2027	0.2610	-	-	-	-	3.3890		-	-	-	-
	2028	0.2610	-	-	-	-	3.3890		-	-	-	-
	2029	0.2610	-	-	-	-	3.3890		-	-	-	-
	2030	0.1930	-	-	-	-	3.3670		-	-	-	-
	2031	0.1930	-	-	-	-	3.3670		-	-	-	-
	2032	0.1930	-	-	-	-	3.3670		-	-	-	-
	2033	0.1930	-	-	-	-	3.3670		-	-	-	-
	2034	0.1930	-	-	-	-	3.3670		-	-	-	-
	2035	0.1700	-	-	-	-	3.3600		-	-	-	-
	2036	0.1700	-	-	-	-	3.3600		-	-	-	-
	2037	0.1700	-	-	-	-	3.3600		-	-	-	-
	2038	0.1700	-	-	-	-	3.3600		-	-	-	-
	2039	0.1700	-	-	-	-	3.3600		-	-	-	-
	2040	0.1650	-	-	-	-	3.3580		-	-	-	-
Pumps Total			-	-	0.3860	-			-	-	3.4320	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.2260	-	-	-	-	0.4030	-	-	-	-
4.8420	-	-	-	-	0.3640	-	-	-	-
4.4780	-	-	-	-	0.3250	-	-	-	-
4.1340	-	-	-	-	0.2870	-	-	-	-
3.8080	-	-	-	-	0.2520	-	-	-	-
3.4970	-	-	-	-	0.2170	-	-	-	-
3.2190	-	-	3.2190	-	0.1890	-	-	0.1890	-
2.9280	-	-	-	-	0.1620	-	-	-	-
2.7080	-	-	-	-	0.1420	-	-	-	-
2.5110	-	-	-	-	0.1230	-	-	-	-
2.3520	-	-	-	-	0.1070	-	-	-	-
2.2130	-	-	-	-	0.0920	-	-	-	-
2.2130	-	-	-	-	0.0920	-	-	-	-
2.2130	-	-	-	-	0.0920	-	-	-	-
2.2130	-	-	-	-	0.0920	-	-	-	-
2.2130	-	-	-	-	0.0920	-	-	-	-
1.6620	-	-	-	-	0.0360	-	-	-	-
1.6620	-	-	-	-	0.0360	-	-	-	-
1.6620	-	-	-	-	0.0360	-	-	-	-
1.6620	-	-	-	-	0.0360	-	-	-	-
1.6620	-	-	-	-	0.0360	-	-	-	-
1.4700	-	-	-	-	0.0170	-	-	-	-
1.4700	-	-	-	-	0.0170	-	-	-	-
1.4700	-	-	-	-	0.0170	-	-	-	-
1.4700	-	-	-	-	0.0170	-	-	-	-
1.4700	-	-	-	-	0.0170	-	-	-	-
1.4100	-	-	-	-	0.0120	-	-	-	-
	-	-	3.2190	-		-	-	0.1890	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4030	-	-	-	-	568.2990	-	-	-	-
0.3640	-	-	-	-	568.3000	-	-	-	-
0.3250	-	-	-	-	568.2990	-	-	-	-
0.2870	-	-	-	-	568.2990	-	-	-	-
0.2520	-	-	-	-	568.2990	-	-	-	-
0.2170	-	-	-	-	568.2990	-	-	-	-
0.1890	-	-	0.1890	-	568.2990	-	-	568.2990	-
0.1620	-	-	-	-	568.3000	-	-	-	-
0.1420	-	-	-	-	568.2990	-	-	-	-
0.1230	-	-	-	-	568.2990	-	-	-	-
0.1070	-	-	-	-	568.2990	-	-	-	-
0.0920	-	-	-	-	568.2990	-	-	-	-
0.0920	-	-	-	-	568.2990	-	-	-	-
0.0920	-	-	-	-	568.2990	-	-	-	-
0.0920	-	-	-	-	568.2990	-	-	-	-
0.0920	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0360	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0120	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1890	-		-	-	568.2990	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0060	-	-	-	-	0.0670	-	-	-	-
0.0060	-	-	-	-	0.0610	-	-	-	-
0.0060	-	-	-	-	0.0550	-	-	-	-
0.0060	-	-	-	-	0.0490	-	-	-	-
0.0060	-	-	-	-	0.0430	-	-	-	-
0.0060	-	-	-	-	0.0380	-	-	-	-
0.0060	-	-	0.0060	-	0.0340	-	-	0.0340	-
0.0060	-	-	-	-	0.0310	-	-	-	-
0.0060	-	-	-	-	0.0290	-	-	-	-
0.0060	-	-	-	-	0.0260	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0150	-	-	-	-
0.0060	-	-	-	-	0.0150	-	-	-	-
0.0060	-	-	-	-	0.0150	-	-	-	-
0.0060	-	-	-	-	0.0150	-	-	-	-
0.0060	-	-	-	-	0.0150	-	-	-	-
0.0060	-	-	-	-	0.0140	-	-	-	-
	-	-	0.0060	-		-	-	0.0340	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Rollers	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.6950	-	-	-	-	3.8092		-	-	-	-
	2015	0.6833	-	-	-	-	3.8089		-	-	-	-
	2016	0.6282	-	-	-	-	3.7554		-	-	-	-
	2017	0.5799	-	-	-	-	3.7132		-	-	-	-
	2018	0.4810	-	-	-	-	3.6098		-	-	-	-
	2019	0.4225	-	-	-	-	3.5573		-	-	-	-
	2020	0.3882	-	-	0.3882	-	3.5314		-	-	3.5314	-
	2021	0.3534	-	-	-	-	3.5072		-	-	-	-
	2022	0.3101	-	-	-	-	3.4697		-	-	-	-
	2023	0.2867	-	-	-	-	3.4546		-	-	-	-
	2024	0.2718	-	-	-	-	3.4506		-	-	-	-
	2025	0.2554	-	-	-	-	3.4443		-	-	-	-
	2026	0.2554	-	-	-	-	3.4443		-	-	-	-
	2027	0.2554	-	-	-	-	3.4443		-	-	-	-
	2028	0.2554	-	-	-	-	3.4443		-	-	-	-
	2029	0.2554	-	-	-	-	3.4443		-	-	-	-
	2030	0.2990	-	-	-	-	3.6390		-	-	-	-
	2031	0.2990	-	-	-	-	3.6390		-	-	-	-
	2032	0.2990	-	-	-	-	3.6390		-	-	-	-
	2033	0.2990	-	-	-	-	3.6390		-	-	-	-
	2034	0.2990	-	-	-	-	3.6390		-	-	-	-
	2035	0.2580	-	-	-	-	3.6290		-	-	-	-
	2036	0.2580	-	-	-	-	3.6290		-	-	-	-
	2037	0.2580	-	-	-	-	3.6290		-	-	-	-
	2038	0.2580	-	-	-	-	3.6290		-	-	-	-
	2039	0.2580	-	-	-	-	3.6290		-	-	-	-
	2040	0.2400	-	-	-	-	3.6250		-	-	-	-
Rollers Total			-	-	0.3882	-			-	-	3.5314	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
6.3904	-	-	-	-	0.4759	-	-	-	-
6.2716	-	-	-	-	0.4674	-	-	-	-
5.8056	-	-	-	-	0.4275	-	-	-	-
5.4114	-	-	-	-	0.3921	-	-	-	-
4.6505	-	-	-	-	0.3200	-	-	-	-
4.1795	-	-	-	-	0.2748	-	-	-	-
3.8815	-	-	3.8815	-	0.2475	-	-	0.2475	-
3.5889	-	-	-	-	0.2194	-	-	-	-
3.2190	-	-	-	-	0.1855	-	-	-	-
3.0030	-	-	-	-	0.1652	-	-	-	-
2.8430	-	-	-	-	0.1505	-	-	-	-
2.6914	-	-	-	-	0.1354	-	-	-	-
2.6914	-	-	-	-	0.1354	-	-	-	-
2.6914	-	-	-	-	0.1354	-	-	-	-
2.6914	-	-	-	-	0.1354	-	-	-	-
2.6914	-	-	-	-	0.1354	-	-	-	-
1.9500	-	-	-	-	0.0660	-	-	-	-
1.9500	-	-	-	-	0.0660	-	-	-	-
1.9500	-	-	-	-	0.0660	-	-	-	-
1.9500	-	-	-	-	0.0660	-	-	-	-
1.9500	-	-	-	-	0.0660	-	-	-	-
1.6500	-	-	-	-	0.0350	-	-	-	-
1.6500	-	-	-	-	0.0350	-	-	-	-
1.6500	-	-	-	-	0.0350	-	-	-	-
1.6500	-	-	-	-	0.0350	-	-	-	-
1.6500	-	-	-	-	0.0350	-	-	-	-
1.5250	-	-	-	-	0.0210	-	-	-	-
	-	-	3.8815	-		-	-	0.2475	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4378	-	-	-	-	518.7866	-	-	-	-
0.4300	-	-	-	-	513.5052	-	-	-	-
0.3933	-	-	-	-	508.1987	-	-	-	-
0.3607	-	-	-	-	500.1525	-	-	-	-
0.2944	-	-	-	-	492.2118	-	-	-	-
0.2528	-	-	-	-	484.3362	-	-	-	-
0.2277	-	-	0.2277	-	473.8594	-	-	473.8594	-
0.2018	-	-	-	-	473.9012	-	-	-	-
0.1707	-	-	-	-	473.9291	-	-	-	-
0.1520	-	-	-	-	473.9363	-	-	-	-
0.1384	-	-	-	-	474.0072	-	-	-	-
0.1245	-	-	-	-	473.8510	-	-	-	-
0.1245	-	-	-	-	473.8510	-	-	-	-
0.1245	-	-	-	-	473.8510	-	-	-	-
0.1245	-	-	-	-	473.8510	-	-	-	-
0.1245	-	-	-	-	473.8510	-	-	-	-
0.0660	-	-	-	-	568.2990	-	-	-	-
0.0660	-	-	-	-	568.2990	-	-	-	-
0.0660	-	-	-	-	568.2990	-	-	-	-
0.0660	-	-	-	-	568.2990	-	-	-	-
0.0660	-	-	-	-	568.2990	-	-	-	-
0.0350	-	-	-	-	568.2990	-	-	-	-
0.0350	-	-	-	-	568.2990	-	-	-	-
0.0350	-	-	-	-	568.2990	-	-	-	-
0.0350	-	-	-	-	568.2990	-	-	-	-
0.0350	-	-	-	-	568.2990	-	-	-	-
0.0210	-	-	-	-	568.2990	-	-	-	-
	-	-	0.2277	-		-	-	473.8594	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1532	-	-	-	-
0.0049	-	-	-	-	0.1532	-	-	-	-
0.0049	-	-	-	-	0.1532	-	-	-	-
0.0049	-	-	0.0049	-	0.1533	-	-	0.1533	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0270	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0210	-	-	-	-
	-	-	0.0049	-		-	-	0.1533	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Rough Terrain Forklifts	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.3507	-	-	-	-		3.3671	-	-	-	-
	2015	0.3377	-	-	-	-		3.3662	-	-	-	-
	2016	0.3016	-	-	-	-		3.3417	-	-	-	-
	2017	0.2710	-	-	-	-		3.3178	-	-	-	-
	2018	0.2222	-	-	-	-		3.2698	-	-	-	-
	2019	0.2019	-	-	-	-		3.2585	-	-	-	-
	2020	0.1892	-	-	0.1892	-		3.2558	-	-	3.2558	-
	2021	0.1746	-	-	-	-		3.2519	-	-	-	-
	2022	0.1586	-	-	-	-		3.2437	-	-	-	-
	2023	0.1499	-	-	-	-		3.2422	-	-	-	-
	2024	0.1451	-	-	-	-		3.2447	-	-	-	-
	2025	0.1374	-	-	-	-		3.2397	-	-	-	-
	2026	0.1374	-	-	-	-		3.2397	-	-	-	-
	2027	0.1374	-	-	-	-		3.2397	-	-	-	-
	2028	0.1374	-	-	-	-		3.2397	-	-	-	-
	2029	0.1374	-	-	-	-		3.2397	-	-	-	-
	2030	0.2790	-	-	-	-		3.7250	-	-	-	-
	2031	0.2790	-	-	-	-		3.7250	-	-	-	-
	2032	0.2790	-	-	-	-		3.7250	-	-	-	-
	2033	0.2790	-	-	-	-		3.7250	-	-	-	-
	2034	0.2790	-	-	-	-		3.7250	-	-	-	-
	2035	0.2620	-	-	-	-		3.7220	-	-	-	-
	2036	0.2620	-	-	-	-		3.7220	-	-	-	-
	2037	0.2620	-	-	-	-		3.7220	-	-	-	-
	2038	0.2620	-	-	-	-		3.7220	-	-	-	-
	2039	0.2620	-	-	-	-		3.7220	-	-	-	-
	2040	0.2580	-	-	-	-		3.7220	-	-	-	-
Rough Terrain Forklifts Total			-	-	0.1892	-			-	-	3.2558	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
4.4673	-	-	-	-	0.2610	-	-	-	-
4.2800	-	-	-	-	0.2474	-	-	-	-
3.8401	-	-	-	-	0.2131	-	-	-	-
3.4176	-	-	-	-	0.1816	-	-	-	-
2.8450	-	-	-	-	0.1360	-	-	-	-
2.6222	-	-	-	-	0.1168	-	-	-	-
2.4522	-	-	2.4522	-	0.1026	-	-	0.1026	-
2.2853	-	-	-	-	0.0885	-	-	-	-
2.0983	-	-	-	-	0.0732	-	-	-	-
1.9836	-	-	-	-	0.0637	-	-	-	-
1.9139	-	-	-	-	0.0583	-	-	-	-
1.8205	-	-	-	-	0.0511	-	-	-	-
1.8205	-	-	-	-	0.0511	-	-	-	-
1.8205	-	-	-	-	0.0511	-	-	-	-
1.8205	-	-	-	-	0.0511	-	-	-	-
1.8205	-	-	-	-	0.0511	-	-	-	-
1.6710	-	-	-	-	0.0340	-	-	-	-
1.6710	-	-	-	-	0.0340	-	-	-	-
1.6710	-	-	-	-	0.0340	-	-	-	-
1.6710	-	-	-	-	0.0340	-	-	-	-
1.6710	-	-	-	-	0.0340	-	-	-	-
1.5300	-	-	-	-	0.0200	-	-	-	-
1.5300	-	-	-	-	0.0200	-	-	-	-
1.5300	-	-	-	-	0.0200	-	-	-	-
1.5300	-	-	-	-	0.0200	-	-	-	-
1.5300	-	-	-	-	0.0200	-	-	-	-
1.4850	-	-	-	-	0.0160	-	-	-	-
	-	-	2.4522	-		-	-	0.1026	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2401	-	-	-	-	517.2602	-	-	-	-
0.2276	-	-	-	-	512.0859	-	-	-	-
0.1961	-	-	-	-	507.0659	-	-	-	-
0.1671	-	-	-	-	499.1682	-	-	-	-
0.1251	-	-	-	-	491.2107	-	-	-	-
0.1075	-	-	-	-	483.3105	-	-	-	-
0.0944	-	-	0.0944	-	472.9842	-	-	472.9842	-
0.0815	-	-	-	-	473.1100	-	-	-	-
0.0673	-	-	-	-	473.0890	-	-	-	-
0.0586	-	-	-	-	473.1584	-	-	-	-
0.0536	-	-	-	-	473.0631	-	-	-	-
0.0470	-	-	-	-	473.0366	-	-	-	-
0.0470	-	-	-	-	473.0366	-	-	-	-
0.0470	-	-	-	-	473.0366	-	-	-	-
0.0470	-	-	-	-	473.0366	-	-	-	-
0.0470	-	-	-	-	473.0366	-	-	-	-
0.0340	-	-	-	-	568.2990	-	-	-	-
0.0340	-	-	-	-	568.2990	-	-	-	-
0.0340	-	-	-	-	568.2990	-	-	-	-
0.0340	-	-	-	-	568.2990	-	-	-	-
0.0340	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
	-	-	0.0944	-		-	-	472.9842	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	0.0049	-	0.1530	-	-	0.1530	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
	-	-	0.0049	-		-	-	0.1530	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Rubber Tired Dozers	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.7213	-	-	-	-	2.7120		-	-	-	-
	2015	0.7284	-	-	-	-	2.7204		-	-	-	-
	2016	0.7357	-	-	-	-	2.7294		-	-	-	-
	2017	0.7066	-	-	-	-	2.6551		-	-	-	-
	2018	0.6692	-	-	-	-	2.5116		-	-	-	-
	2019	0.6511	-	-	-	-	2.4586		-	-	-	-
	2020	0.6195	-	-	0.6195	-	2.3710		-	-	2.3710	-
	2021	0.6005	-	-	-	-	2.3172		-	-	-	-
	2022	0.4804	-	-	-	-	2.0556		-	-	-	-
	2023	0.3929	-	-	-	-	1.7827		-	-	-	-
	2024	0.3989	-	-	-	-	1.7969		-	-	-	-
	2025	0.3719	-	-	-	-	1.7203		-	-	-	-
	2026	0.3719	-	-	-	-	1.7203		-	-	-	-
	2027	0.3719	-	-	-	-	1.7203		-	-	-	-
	2028	0.3719	-	-	-	-	1.7203		-	-	-	-
	2029	0.3719	-	-	-	-	1.7203		-	-	-	-
	2030	0.3350	-	-	-	-	1.3220		-	-	-	-
	2031	0.3350	-	-	-	-	1.3220		-	-	-	-
	2032	0.3350	-	-	-	-	1.3220		-	-	-	-
	2033	0.3350	-	-	-	-	1.3220		-	-	-	-
	2034	0.3350	-	-	-	-	1.3220		-	-	-	-
	2035	0.2860	-	-	-	-	1.2620		-	-	-	-
	2036	0.2860	-	-	-	-	1.2620		-	-	-	-
	2037	0.2860	-	-	-	-	1.2620		-	-	-	-
	2038	0.2860	-	-	-	-	1.2620		-	-	-	-
	2039	0.2860	-	-	-	-	1.2620		-	-	-	-
	2040	0.2530	-	-	-	-	1.2250		-	-	-	-
Rubber Tired Dozers Total			-	-	0.6195	-			-	-	2.3710	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
7.9722	-	-	-	-	0.3925	-	-	-	-
7.9837	-	-	-	-	0.3939	-	-	-	-
7.9951	-	-	-	-	0.3953	-	-	-	-
7.6708	-	-	-	-	0.3755	-	-	-	-
7.2079	-	-	-	-	0.3504	-	-	-	-
6.9292	-	-	-	-	0.3379	-	-	-	-
6.5033	-	-	6.5033	-	0.3185	-	-	0.3185	-
6.2962	-	-	-	-	0.3056	-	-	-	-
5.0465	-	-	-	-	0.2395	-	-	-	-
4.0901	-	-	-	-	0.1842	-	-	-	-
4.0904	-	-	-	-	0.1843	-	-	-	-
3.8055	-	-	-	-	0.1665	-	-	-	-
3.8055	-	-	-	-	0.1665	-	-	-	-
3.8055	-	-	-	-	0.1665	-	-	-	-
3.8055	-	-	-	-	0.1665	-	-	-	-
3.8055	-	-	-	-	0.1665	-	-	-	-
1.8280	-	-	-	-	0.0690	-	-	-	-
1.8280	-	-	-	-	0.0690	-	-	-	-
1.8280	-	-	-	-	0.0690	-	-	-	-
1.8280	-	-	-	-	0.0690	-	-	-	-
1.8280	-	-	-	-	0.0690	-	-	-	-
1.2030	-	-	-	-	0.0460	-	-	-	-
1.2030	-	-	-	-	0.0460	-	-	-	-
1.2030	-	-	-	-	0.0460	-	-	-	-
1.2030	-	-	-	-	0.0460	-	-	-	-
1.2030	-	-	-	-	0.0460	-	-	-	-
0.8100	-	-	-	-	0.0310	-	-	-	-
	-	-	6.5033	-		-	-	0.3185	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.3611	-	-	-	-	520.0105	-	-	-	-
0.3624	-	-	-	-	514.7359	-	-	-	-
0.3637	-	-	-	-	509.4615	-	-	-	-
0.3454	-	-	-	-	501.5475	-	-	-	-
0.3224	-	-	-	-	493.6337	-	-	-	-
0.3108	-	-	-	-	485.1720	-	-	-	-
0.2930	-	-	0.2930	-	474.7928	-	-	474.7928	-
0.2811	-	-	-	-	474.7984	-	-	-	-
0.2204	-	-	-	-	474.6166	-	-	-	-
0.1694	-	-	-	-	474.5967	-	-	-	-
0.1696	-	-	-	-	474.5854	-	-	-	-
0.1532	-	-	-	-	474.5734	-	-	-	-
0.1532	-	-	-	-	474.5734	-	-	-	-
0.1532	-	-	-	-	474.5734	-	-	-	-
0.1532	-	-	-	-	474.5734	-	-	-	-
0.1532	-	-	-	-	474.5734	-	-	-	-
0.0690	-	-	-	-	568.2990	-	-	-	-
0.0690	-	-	-	-	568.2990	-	-	-	-
0.0690	-	-	-	-	568.2990	-	-	-	-
0.0690	-	-	-	-	568.2990	-	-	-	-
0.0690	-	-	-	-	568.2990	-	-	-	-
0.0460	-	-	-	-	568.2990	-	-	-	-
0.0460	-	-	-	-	568.2990	-	-	-	-
0.0460	-	-	-	-	568.2990	-	-	-	-
0.0460	-	-	-	-	568.2990	-	-	-	-
0.0460	-	-	-	-	568.2990	-	-	-	-
0.0310	-	-	-	-	568.2990	-	-	-	-
	-	-	0.2930	-		-	-	474.7928	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1537	-	-	-	-
0.0049	-	-	-	-	0.1537	-	-	-	-
0.0049	-	-	-	-	0.1537	-	-	-	-
0.0049	-	-	-	-	0.1537	-	-	-	-
0.0049	-	-	-	-	0.1537	-	-	-	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0049	-	-	0.0049	-	0.1536	-	-	0.1536	-
0.0049	-	-	-	-	0.1536	-	-	-	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0049	-	-	-	-	0.1535	-	-	-	-
0.0060	-	-	-	-	0.0300	-	-	-	-
0.0060	-	-	-	-	0.0300	-	-	-	-
0.0060	-	-	-	-	0.0300	-	-	-	-
0.0060	-	-	-	-	0.0300	-	-	-	-
0.0060	-	-	-	-	0.0300	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0250	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
	-	-	0.0049	-		-	-	0.1536	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Rubber Tired Loaders	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.4066	-	-	-	-	1.4855		-	-	-	-
	2015	0.4056	-	-	-	-	1.4799		-	-	-	-
	2016	0.3933	-	-	-	-	1.4521		-	-	-	-
	2017	0.3727	-	-	-	-	1.4172		-	-	-	-
	2018	0.3335	-	-	-	-	1.3464		-	-	-	-
	2019	0.3094	-	-	-	-	1.3025		-	-	-	-
	2020	0.2902	-	-	0.2902	-	1.2689		-	-	1.2689	-
	2021	0.2661	-	-	-	-	1.2403		-	-	-	-
	2022	0.2261	-	-	-	-	1.1880		-	-	-	-
	2023	0.2099	-	-	-	-	1.1714		-	-	-	-
	2024	0.1971	-	-	-	-	1.1607		-	-	-	-
	2025	0.1774	-	-	-	-	1.1417		-	-	-	-
	2026	0.1774	-	-	-	-	1.1417		-	-	-	-
	2027	0.1774	-	-	-	-	1.1417		-	-	-	-
	2028	0.1774	-	-	-	-	1.1417		-	-	-	-
	2029	0.1774	-	-	-	-	1.1417		-	-	-	-
	2030	0.2100	-	-	-	-	1.1380		-	-	-	-
	2031	0.2100	-	-	-	-	1.1380		-	-	-	-
	2032	0.2100	-	-	-	-	1.1380		-	-	-	-
	2033	0.2100	-	-	-	-	1.1380		-	-	-	-
	2034	0.2100	-	-	-	-	1.1380		-	-	-	-
	2035	0.1910	-	-	-	-	1.1290		-	-	-	-
	2036	0.1910	-	-	-	-	1.1290		-	-	-	-
	2037	0.1910	-	-	-	-	1.1290		-	-	-	-
	2038	0.1910	-	-	-	-	1.1290		-	-	-	-
	2039	0.1910	-	-	-	-	1.1290		-	-	-	-
	2040	0.1850	-	-	-	-	1.1280		-	-	-	-
Rubber Tired Loaders Total			-	-	0.2902	-			-	-	1.2689	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.4954	-	-	-	-	0.1868	-	-	-	-
5.3693	-	-	-	-	0.1833	-	-	-	-
5.1151	-	-	-	-	0.1745	-	-	-	-
4.7547	-	-	-	-	0.1620	-	-	-	-
4.1313	-	-	-	-	0.1401	-	-	-	-
3.7445	-	-	-	-	0.1255	-	-	-	-
3.4212	-	-	3.4212	-	0.1136	-	-	0.1136	-
2.9977	-	-	-	-	0.1000	-	-	-	-
2.3469	-	-	-	-	0.0787	-	-	-	-
2.0596	-	-	-	-	0.0690	-	-	-	-
1.8060	-	-	-	-	0.0604	-	-	-	-
1.4421	-	-	-	-	0.0484	-	-	-	-
1.4421	-	-	-	-	0.0484	-	-	-	-
1.4421	-	-	-	-	0.0484	-	-	-	-
1.4421	-	-	-	-	0.0484	-	-	-	-
1.4421	-	-	-	-	0.0484	-	-	-	-
0.6550	-	-	-	-	0.0220	-	-	-	-
0.6550	-	-	-	-	0.0220	-	-	-	-
0.6550	-	-	-	-	0.0220	-	-	-	-
0.6550	-	-	-	-	0.0220	-	-	-	-
0.6550	-	-	-	-	0.0220	-	-	-	-
0.4340	-	-	-	-	0.0150	-	-	-	-
0.4340	-	-	-	-	0.0150	-	-	-	-
0.4340	-	-	-	-	0.0150	-	-	-	-
0.4340	-	-	-	-	0.0150	-	-	-	-
0.4340	-	-	-	-	0.0150	-	-	-	-
0.3460	-	-	-	-	0.0130	-	-	-	-
	-	-	3.4212	-		-	-	0.1136	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1719	-	-	-	-	514.2167	-	-	-	-
0.1686	-	-	-	-	508.9127	-	-	-	-
0.1605	-	-	-	-	503.6542	-	-	-	-
0.1490	-	-	-	-	495.9499	-	-	-	-
0.1289	-	-	-	-	487.9023	-	-	-	-
0.1155	-	-	-	-	480.0997	-	-	-	-
0.1045	-	-	0.1045	-	469.5127	-	-	469.5127	-
0.0920	-	-	-	-	469.5642	-	-	-	-
0.0724	-	-	-	-	469.9041	-	-	-	-
0.0635	-	-	-	-	469.8240	-	-	-	-
0.0556	-	-	-	-	469.7875	-	-	-	-
0.0446	-	-	-	-	469.8711	-	-	-	-
0.0446	-	-	-	-	469.8711	-	-	-	-
0.0446	-	-	-	-	469.8711	-	-	-	-
0.0446	-	-	-	-	469.8711	-	-	-	-
0.0446	-	-	-	-	469.8711	-	-	-	-
0.0220	-	-	-	-	568.2990	-	-	-	-
0.0220	-	-	-	-	568.2990	-	-	-	-
0.0220	-	-	-	-	568.2990	-	-	-	-
0.0220	-	-	-	-	568.2990	-	-	-	-
0.0220	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1045	-		-	-	469.5127	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0048	-	-	-	-	0.1520	-	-	-	-
0.0048	-	-	-	-	0.1519	-	-	-	-
0.0048	-	-	-	-	0.1519	-	-	-	-
0.0048	-	-	-	-	0.1520	-	-	-	-
0.0048	-	-	-	-	0.1519	-	-	-	-
0.0048	-	-	-	-	0.1519	-	-	-	-
0.0048	-	-	0.0048	-	0.1518	-	-	0.1518	-
0.0048	-	-	-	-	0.1519	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1519	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0049	-	-	-	-	0.1520	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0180	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0170	-	-	-	-
0.0060	-	-	-	-	0.0160	-	-	-	-
	-	-	0.0048	-		-	-	0.1518	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Scrapers	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.4787	-	-	-	-		3.8982	-	-	-	-
	2015	0.4722	-	-	-	-		3.7880	-	-	-	-
	2016	0.4524	-	-	-	-		3.6063	-	-	-	-
	2017	0.4251	-	-	-	-		3.3370	-	-	-	-
	2018	0.3691	-	-	-	-		2.8281	-	-	-	-
	2019	0.3429	-	-	-	-		2.5947	-	-	-	-
	2020	0.3196	-	-	0.3196	-		2.4006	-	-	2.4006	-
	2021	0.2992	-	-	-	-		2.2545	-	-	-	-
	2022	0.2637	-	-	-	-		2.0521	-	-	-	-
	2023	0.2532	-	-	-	-		1.9753	-	-	-	-
	2024	0.2446	-	-	-	-		1.9206	-	-	-	-
	2025	0.2162	-	-	-	-		1.7318	-	-	-	-
	2026	0.2162	-	-	-	-		1.7318	-	-	-	-
	2027	0.2162	-	-	-	-		1.7318	-	-	-	-
	2028	0.2162	-	-	-	-		1.7318	-	-	-	-
	2029	0.2162	-	-	-	-		1.7318	-	-	-	-
	2030	0.2590	-	-	-	-		1.1840	-	-	-	-
	2031	0.2590	-	-	-	-		1.1840	-	-	-	-
	2032	0.2590	-	-	-	-		1.1840	-	-	-	-
	2033	0.2590	-	-	-	-		1.1840	-	-	-	-
	2034	0.2590	-	-	-	-		1.1840	-	-	-	-
	2035	0.2260	-	-	-	-		1.1230	-	-	-	-
	2036	0.2260	-	-	-	-		1.1230	-	-	-	-
	2037	0.2260	-	-	-	-		1.1230	-	-	-	-
	2038	0.2260	-	-	-	-		1.1230	-	-	-	-
	2039	0.2260	-	-	-	-		1.1230	-	-	-	-
	2040	0.2090	-	-	-	-		1.1000	-	-	-	-
Scrapers Total			-	-	0.3196	-			-	-	2.4006	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
6.2330	-	-	-	-	0.2514	-	-	-	-
6.0858	-	-	-	-	0.2458	-	-	-	-
5.7575	-	-	-	-	0.2321	-	-	-	-
5.3395	-	-	-	-	0.2143	-	-	-	-
4.5677	-	-	-	-	0.1800	-	-	-	-
4.1565	-	-	-	-	0.1629	-	-	-	-
3.7825	-	-	3.7825	-	0.1475	-	-	0.1475	-
3.4448	-	-	-	-	0.1340	-	-	-	-
2.8786	-	-	-	-	0.1124	-	-	-	-
2.6661	-	-	-	-	0.1045	-	-	-	-
2.4769	-	-	-	-	0.0979	-	-	-	-
2.0505	-	-	-	-	0.0807	-	-	-	-
2.0505	-	-	-	-	0.0807	-	-	-	-
2.0505	-	-	-	-	0.0807	-	-	-	-
2.0505	-	-	-	-	0.0807	-	-	-	-
2.0505	-	-	-	-	0.0807	-	-	-	-
1.0570	-	-	-	-	0.0400	-	-	-	-
1.0570	-	-	-	-	0.0400	-	-	-	-
1.0570	-	-	-	-	0.0400	-	-	-	-
1.0570	-	-	-	-	0.0400	-	-	-	-
1.0570	-	-	-	-	0.0400	-	-	-	-
0.6740	-	-	-	-	0.0250	-	-	-	-
0.6740	-	-	-	-	0.0250	-	-	-	-
0.6740	-	-	-	-	0.0250	-	-	-	-
0.6740	-	-	-	-	0.0250	-	-	-	-
0.6740	-	-	-	-	0.0250	-	-	-	-
0.4750	-	-	-	-	0.0170	-	-	-	-
	-	-	3.7825	-		-	-	0.1475	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2313	-	-	-	-	517.3608	-	-	-	-
0.2261	-	-	-	-	511.9471	-	-	-	-
0.2135	-	-	-	-	506.3503	-	-	-	-
0.1971	-	-	-	-	498.4571	-	-	-	-
0.1656	-	-	-	-	490.7734	-	-	-	-
0.1498	-	-	-	-	482.7319	-	-	-	-
0.1357	-	-	0.1357	-	472.1751	-	-	472.1751	-
0.1233	-	-	-	-	472.4636	-	-	-	-
0.1034	-	-	-	-	473.2304	-	-	-	-
0.0962	-	-	-	-	473.1772	-	-	-	-
0.0901	-	-	-	-	472.8455	-	-	-	-
0.0743	-	-	-	-	472.5394	-	-	-	-
0.0743	-	-	-	-	472.5394	-	-	-	-
0.0743	-	-	-	-	472.5394	-	-	-	-
0.0743	-	-	-	-	472.5394	-	-	-	-
0.0743	-	-	-	-	472.5394	-	-	-	-
0.0400	-	-	-	-	568.2990	-	-	-	-
0.0400	-	-	-	-	568.2990	-	-	-	-
0.0400	-	-	-	-	568.2990	-	-	-	-
0.0400	-	-	-	-	568.2990	-	-	-	-
0.0400	-	-	-	-	568.2990	-	-	-	-
0.0250	-	-	-	-	568.3000	-	-	-	-
0.0250	-	-	-	-	568.3000	-	-	-	-
0.0250	-	-	-	-	568.3000	-	-	-	-
0.0250	-	-	-	-	568.3000	-	-	-	-
0.0250	-	-	-	-	568.3000	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1357	-		-	-	472.1751	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	0.0049	-	0.1527	-	-	0.1527	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1531	-	-	-	-
0.0049	-	-	-	-	0.1530	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0050	-	-	-	-	0.0230	-	-	-	-
0.0050	-	-	-	-	0.0230	-	-	-	-
0.0050	-	-	-	-	0.0230	-	-	-	-
0.0050	-	-	-	-	0.0230	-	-	-	-
0.0050	-	-	-	-	0.0230	-	-	-	-
0.0050	-	-	-	-	0.0200	-	-	-	-
0.0050	-	-	-	-	0.0200	-	-	-	-
0.0050	-	-	-	-	0.0200	-	-	-	-
0.0050	-	-	-	-	0.0200	-	-	-	-
0.0050	-	-	-	-	0.0200	-	-	-	-
0.0050	-	-	-	-	0.0180	-	-	-	-
	-	-	0.0049	-		-	-	0.1527	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Signal Boards	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.6610	-	-	-	-	3.4690		-	-	-	-
	2015	0.6610	-	-	-	-	3.4690		-	-	-	-
	2016	0.6610	-	-	-	-	3.4690		-	-	-	-
	2017	0.6610	-	-	-	-	3.4690		-	-	-	-
	2018	0.6610	-	-	-	-	3.4690		-	-	-	-
	2019	0.6610	-	-	-	-	3.4700		-	-	-	-
	2020	0.6610	-	-	0.6610	-	3.4690		-	-	3.4690	-
	2021	0.6610	-	-	-	-	3.4690		-	-	-	-
	2022	0.6610	-	-	-	-	3.4690		-	-	-	-
	2023	0.6610	-	-	-	-	3.4690		-	-	-	-
	2024	0.6610	-	-	-	-	3.4690		-	-	-	-
	2025	0.6610	-	-	-	-	3.4690		-	-	-	-
	2026	0.6610	-	-	-	-	3.4690		-	-	-	-
	2027	0.6610	-	-	-	-	3.4690		-	-	-	-
	2028	0.6610	-	-	-	-	3.4690		-	-	-	-
	2029	0.6610	-	-	-	-	3.4690		-	-	-	-
	2030	0.6610	-	-	-	-	3.4700		-	-	-	-
	2031	0.6610	-	-	-	-	3.4700		-	-	-	-
	2032	0.6610	-	-	-	-	3.4700		-	-	-	-
	2033	0.6610	-	-	-	-	3.4700		-	-	-	-
	2034	0.6610	-	-	-	-	3.4700		-	-	-	-
	2035	0.6610	-	-	-	-	3.4690		-	-	-	-
	2036	0.6610	-	-	-	-	3.4690		-	-	-	-
	2037	0.6610	-	-	-	-	3.4690		-	-	-	-
	2038	0.6610	-	-	-	-	3.4690		-	-	-	-
	2039	0.6610	-	-	-	-	3.4690		-	-	-	-
	2040	0.6610	-	-	-	-	3.4690		-	-	-	-
Signal Boards Total			-	-	0.6610	-			-	-	3.4690	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	4.1420	-	0.1610	-	-	0.1610	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
4.1420	-	-	-	-	0.1610	-	-	-	-
	-	-	4.1420	-		-	-	0.1610	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	0.1610	-	568.2990	-	-	568.2990	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.3000	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
0.1610	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1610	-		-	-	568.2990	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	0.0080	-	0.0590	-	-	0.0590	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
0.0080	-	-	-	-	0.0590	-	-	-	-
	-	-	0.0080	-		-	-	0.0590	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	0.0048	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
	-	-	0.0048	-

Skid Steer Loaders	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.3041	-	-	-	-	3.3383		-	-	-	-
	2015	0.2939	-	-	-	-	3.3375		-	-	-	-
	2016	0.2731	-	-	-	-	3.3277		-	-	-	-
	2017	0.2553	-	-	-	-	3.3186		-	-	-	-
	2018	0.2158	-	-	-	-	3.2820		-	-	-	-
	2019	0.1994	-	-	-	-	3.2774		-	-	-	-
	2020	0.1884	-	-	0.1884	-	3.2771		-	-	3.2771	-
	2021	0.1780	-	-	-	-	3.2769		-	-	-	-
	2022	0.1641	-	-	-	-	3.2704		-	-	-	-
	2023	0.1534	-	-	-	-	3.2661		-	-	-	-
	2024	0.1469	-	-	-	-	3.2640		-	-	-	-
	2025	0.1398	-	-	-	-	3.2516		-	-	-	-
	2026	0.1398	-	-	-	-	3.2516		-	-	-	-
	2027	0.1398	-	-	-	-	3.2516		-	-	-	-
	2028	0.1398	-	-	-	-	3.2516		-	-	-	-
	2029	0.1398	-	-	-	-	3.2516		-	-	-	-
	2030	0.2140	-	-	-	-	3.5380		-	-	-	-
	2031	0.2140	-	-	-	-	3.5380		-	-	-	-
	2032	0.2140	-	-	-	-	3.5380		-	-	-	-
	2033	0.2140	-	-	-	-	3.5380		-	-	-	-
	2034	0.2140	-	-	-	-	3.5380		-	-	-	-
	2035	0.2110	-	-	-	-	3.5400		-	-	-	-
	2036	0.2110	-	-	-	-	3.5400		-	-	-	-
	2037	0.2110	-	-	-	-	3.5400		-	-	-	-
	2038	0.2110	-	-	-	-	3.5400		-	-	-	-
	2039	0.2110	-	-	-	-	3.5400		-	-	-	-
	2040	0.2110	-	-	-	-	3.5400		-	-	-	-
Skid Steer Loaders Total			-	-	0.1884	-			-	-	3.2771	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
4.0133	-	-	-	-	0.2345	-	-	-	-
3.8106	-	-	-	-	0.2202	-	-	-	-
3.5344	-	-	-	-	0.1974	-	-	-	-
3.2862	-	-	-	-	0.1766	-	-	-	-
2.8600	-	-	-	-	0.1398	-	-	-	-
2.6559	-	-	-	-	0.1217	-	-	-	-
2.5046	-	-	2.5046	-	0.1084	-	-	0.1084	-
2.3659	-	-	-	-	0.0963	-	-	-	-
2.1892	-	-	-	-	0.0814	-	-	-	-
2.0385	-	-	-	-	0.0690	-	-	-	-
1.9484	-	-	-	-	0.0626	-	-	-	-
1.8674	-	-	-	-	0.0567	-	-	-	-
1.8674	-	-	-	-	0.0567	-	-	-	-
1.8674	-	-	-	-	0.0567	-	-	-	-
1.8674	-	-	-	-	0.0567	-	-	-	-
1.8674	-	-	-	-	0.0567	-	-	-	-
1.4770	-	-	-	-	0.0170	-	-	-	-
1.4770	-	-	-	-	0.0170	-	-	-	-
1.4770	-	-	-	-	0.0170	-	-	-	-
1.4770	-	-	-	-	0.0170	-	-	-	-
1.4770	-	-	-	-	0.0170	-	-	-	-
1.4420	-	-	-	-	0.0140	-	-	-	-
1.4420	-	-	-	-	0.0140	-	-	-	-
1.4420	-	-	-	-	0.0140	-	-	-	-
1.4420	-	-	-	-	0.0140	-	-	-	-
1.4420	-	-	-	-	0.0140	-	-	-	-
1.4350	-	-	-	-	0.0130	-	-	-	-
	-	-	2.5046	-		-	-	0.1084	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.2158	-	-	-	-	517.0621	-	-	-	-
0.2026	-	-	-	-	511.5950	-	-	-	-
0.1816	-	-	-	-	506.2971	-	-	-	-
0.1625	-	-	-	-	498.3256	-	-	-	-
0.1286	-	-	-	-	490.0935	-	-	-	-
0.1119	-	-	-	-	482.3844	-	-	-	-
0.0997	-	-	0.0997	-	471.9075	-	-	471.9075	-
0.0886	-	-	-	-	471.9774	-	-	-	-
0.0748	-	-	-	-	472.4321	-	-	-	-
0.0634	-	-	-	-	472.6560	-	-	-	-
0.0576	-	-	-	-	472.8470	-	-	-	-
0.0521	-	-	-	-	472.6295	-	-	-	-
0.0521	-	-	-	-	472.6295	-	-	-	-
0.0521	-	-	-	-	472.6295	-	-	-	-
0.0521	-	-	-	-	472.6295	-	-	-	-
0.0521	-	-	-	-	472.6295	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0170	-	-	-	-	568.2990	-	-	-	-
0.0140	-	-	-	-	568.2990	-	-	-	-
0.0140	-	-	-	-	568.2990	-	-	-	-
0.0140	-	-	-	-	568.2990	-	-	-	-
0.0140	-	-	-	-	568.2990	-	-	-	-
0.0140	-	-	-	-	568.2990	-	-	-	-
0.0130	-	-	-	-	568.3000	-	-	-	-
	-	-	0.0997	-		-	-	471.9075	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1527	-	-	-	-
0.0049	-	-	-	-	0.1526	-	-	-	-
0.0049	-	-	-	-	0.1526	-	-	-	-
0.0049	-	-	0.0049	-	0.1526	-	-	0.1526	-
0.0049	-	-	-	-	0.1526	-	-	-	-
0.0049	-	-	-	-	0.1528	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0049	-	-	-	-	0.1529	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
0.0060	-	-	-	-	0.0190	-	-	-	-
	-	-	0.0049	-		-	-	0.1526	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Surfacing Equipment	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.2370	-	-	-	-		1.5015	-	-	-	-
	2015	0.2408	-	-	-	-		1.5130	-	-	-	-
	2016	0.2171	-	-	-	-		1.4248	-	-	-	-
	2017	0.2037	-	-	-	-		1.3962	-	-	-	-
	2018	0.1574	-	-	-	-		1.2256	-	-	-	-
	2019	0.1455	-	-	-	-		1.2143	-	-	-	-
	2020	0.1455	-	-	0.1455	-		1.2190	-	-	1.2190	-
	2021	0.1408	-	-	-	-		1.2023	-	-	-	-
	2022	0.1323	-	-	-	-		1.1605	-	-	-	-
	2023	0.1315	-	-	-	-		1.1633	-	-	-	-
	2024	0.1338	-	-	-	-		1.1677	-	-	-	-
	2025	0.1279	-	-	-	-		1.1686	-	-	-	-
	2026	0.1279	-	-	-	-		1.1686	-	-	-	-
	2027	0.1279	-	-	-	-		1.1686	-	-	-	-
	2028	0.1279	-	-	-	-		1.1686	-	-	-	-
	2029	0.1279	-	-	-	-		1.1686	-	-	-	-
	2030	0.1690	-	-	-	-		1.0320	-	-	-	-
	2031	0.1690	-	-	-	-		1.0320	-	-	-	-
	2032	0.1690	-	-	-	-		1.0320	-	-	-	-
	2033	0.1690	-	-	-	-		1.0320	-	-	-	-
	2034	0.1690	-	-	-	-		1.0320	-	-	-	-
	2035	0.1480	-	-	-	-		1.0180	-	-	-	-
	2036	0.1480	-	-	-	-		1.0180	-	-	-	-
	2037	0.1480	-	-	-	-		1.0180	-	-	-	-
	2038	0.1480	-	-	-	-		1.0180	-	-	-	-
	2039	0.1480	-	-	-	-		1.0180	-	-	-	-
	2040	0.1400	-	-	-	-		1.0150	-	-	-	-
Surfacing Equipment Total			-	-	0.1455	-			-	-	1.2190	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
3.8952	-	-	-	-	0.1255	-	-	-	-
3.9004	-	-	-	-	0.1265	-	-	-	-
3.4682	-	-	-	-	0.1111	-	-	-	-
3.1064	-	-	-	-	0.1026	-	-	-	-
2.2039	-	-	-	-	0.0761	-	-	-	-
1.8994	-	-	-	-	0.0681	-	-	-	-
1.8376	-	-	1.8376	-	0.0669	-	-	0.0669	-
1.7528	-	-	-	-	0.0635	-	-	-	-
1.5573	-	-	-	-	0.0574	-	-	-	-
1.4756	-	-	-	-	0.0556	-	-	-	-
1.4777	-	-	-	-	0.0559	-	-	-	-
1.3268	-	-	-	-	0.0510	-	-	-	-
1.3268	-	-	-	-	0.0510	-	-	-	-
1.3268	-	-	-	-	0.0510	-	-	-	-
1.3268	-	-	-	-	0.0510	-	-	-	-
1.3268	-	-	-	-	0.0510	-	-	-	-
0.7380	-	-	-	-	0.0250	-	-	-	-
0.7380	-	-	-	-	0.0250	-	-	-	-
0.7380	-	-	-	-	0.0250	-	-	-	-
0.7380	-	-	-	-	0.0250	-	-	-	-
0.7380	-	-	-	-	0.0250	-	-	-	-
0.4710	-	-	-	-	0.0160	-	-	-	-
0.4710	-	-	-	-	0.0160	-	-	-	-
0.4710	-	-	-	-	0.0160	-	-	-	-
0.4710	-	-	-	-	0.0160	-	-	-	-
0.4710	-	-	-	-	0.0160	-	-	-	-
0.3580	-	-	-	-	0.0120	-	-	-	-
	-	-	1.8376	-		-	-	0.0669	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.1155	-	-	-	-	513.6157	-	-	-	-
0.1164	-	-	-	-	508.3985	-	-	-	-
0.1022	-	-	-	-	502.4709	-	-	-	-
0.0944	-	-	-	-	496.8850	-	-	-	-
0.0700	-	-	-	-	487.8722	-	-	-	-
0.0626	-	-	-	-	481.8965	-	-	-	-
0.0615	-	-	0.0615	-	471.6331	-	-	471.6331	-
0.0584	-	-	-	-	471.7484	-	-	-	-
0.0528	-	-	-	-	470.5248	-	-	-	-
0.0512	-	-	-	-	470.3746	-	-	-	-
0.0514	-	-	-	-	470.2521	-	-	-	-
0.0469	-	-	-	-	470.2827	-	-	-	-
0.0469	-	-	-	-	470.2827	-	-	-	-
0.0469	-	-	-	-	470.2827	-	-	-	-
0.0469	-	-	-	-	470.2827	-	-	-	-
0.0469	-	-	-	-	470.2827	-	-	-	-
0.0250	-	-	-	-	568.2990	-	-	-	-
0.0250	-	-	-	-	568.2990	-	-	-	-
0.0250	-	-	-	-	568.2990	-	-	-	-
0.0250	-	-	-	-	568.2990	-	-	-	-
0.0250	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
0.0120	-	-	-	-	568.2990	-	-	-	-
	-	-	0.0615	-		-	-	471.6331	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0048	-	-	-	-	0.1518	-	-	-	-
0.0048	-	-	-	-	0.1518	-	-	-	-
0.0048	-	-	-	-	0.1516	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1519	-	-	-	-
0.0049	-	-	-	-	0.1525	-	-	-	-
0.0049	-	-	0.0049	-	0.1525	-	-	0.1525	-
0.0049	-	-	-	-	0.1526	-	-	-	-
0.0049	-	-	-	-	0.1522	-	-	-	-
0.0049	-	-	-	-	0.1521	-	-	-	-
0.0049	-	-	-	-	0.1521	-	-	-	-
0.0049	-	-	-	-	0.1521	-	-	-	-
0.0049	-	-	-	-	0.1521	-	-	-	-
0.0049	-	-	-	-	0.1521	-	-	-	-
0.0049	-	-	-	-	0.1521	-	-	-	-
0.0049	-	-	-	-	0.1521	-	-	-	-
0.0050	-	-	-	-	0.0150	-	-	-	-
0.0050	-	-	-	-	0.0150	-	-	-	-
0.0050	-	-	-	-	0.0150	-	-	-	-
0.0050	-	-	-	-	0.0150	-	-	-	-
0.0050	-	-	-	-	0.0150	-	-	-	-
0.0050	-	-	-	-	0.0130	-	-	-	-
0.0050	-	-	-	-	0.0130	-	-	-	-
0.0050	-	-	-	-	0.0130	-	-	-	-
0.0050	-	-	-	-	0.0130	-	-	-	-
0.0050	-	-	-	-	0.0130	-	-	-	-
0.0050	-	-	-	-	0.0120	-	-	-	-
	-	-	0.0049	-		-	-	0.1525	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Sweepers/Scrubbers	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.8326	-	-	-	-	4.0709		-	-	-	-
	2015	0.8334	-	-	-	-	4.0968		-	-	-	-
	2016	0.7826	-	-	-	-	4.0592		-	-	-	-
	2017	0.7205	-	-	-	-	4.0101		-	-	-	-
	2018	0.5995	-	-	-	-	3.8817		-	-	-	-
	2019	0.5496	-	-	-	-	3.8460		-	-	-	-
	2020	0.5199	-	-	0.5199	-	3.8275		-	-	3.8275	-
	2021	0.4402	-	-	-	-	3.7575		-	-	-	-
	2022	0.3724	-	-	-	-	3.6920		-	-	-	-
	2023	0.3506	-	-	-	-	3.6950		-	-	-	-
	2024	0.3320	-	-	-	-	3.6929		-	-	-	-
	2025	0.3031	-	-	-	-	3.6640		-	-	-	-
	2026	0.3031	-	-	-	-	3.6640		-	-	-	-
	2027	0.3031	-	-	-	-	3.6640		-	-	-	-
	2028	0.3031	-	-	-	-	3.6640		-	-	-	-
	2029	0.3031	-	-	-	-	3.6640		-	-	-	-
	2030	0.2610	-	-	-	-	3.7030		-	-	-	-
	2031	0.2610	-	-	-	-	3.7030		-	-	-	-
	2032	0.2610	-	-	-	-	3.7030		-	-	-	-
	2033	0.2610	-	-	-	-	3.7030		-	-	-	-
	2034	0.2610	-	-	-	-	3.7030		-	-	-	-
	2035	0.2530	-	-	-	-	3.6980		-	-	-	-
	2036	0.2530	-	-	-	-	3.6980		-	-	-	-
	2037	0.2530	-	-	-	-	3.6980		-	-	-	-
	2038	0.2530	-	-	-	-	3.6980		-	-	-	-
	2039	0.2530	-	-	-	-	3.6980		-	-	-	-
	2040	0.2510	-	-	-	-	3.6970		-	-	-	-
Sweepers/Scrubbers Total			-	-	0.5199	-			-	-	3.8275	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
6.9339	-	-	-	-	0.6104	-	-	-	-
6.8863	-	-	-	-	0.6103	-	-	-	-
6.4541	-	-	-	-	0.5707	-	-	-	-
6.0202	-	-	-	-	0.5202	-	-	-	-
5.1360	-	-	-	-	0.4283	-	-	-	-
4.7726	-	-	-	-	0.3872	-	-	-	-
4.4821	-	-	4.4821	-	0.3601	-	-	0.3601	-
3.9619	-	-	-	-	0.2914	-	-	-	-
3.4722	-	-	-	-	0.2321	-	-	-	-
3.2854	-	-	-	-	0.2095	-	-	-	-
3.0985	-	-	-	-	0.1885	-	-	-	-
2.8173	-	-	-	-	0.1597	-	-	-	-
2.8173	-	-	-	-	0.1597	-	-	-	-
2.8173	-	-	-	-	0.1597	-	-	-	-
2.8173	-	-	-	-	0.1597	-	-	-	-
2.8173	-	-	-	-	0.1597	-	-	-	-
1.5690	-	-	-	-	0.0230	-	-	-	-
1.5690	-	-	-	-	0.0230	-	-	-	-
1.5690	-	-	-	-	0.0230	-	-	-	-
1.5690	-	-	-	-	0.0230	-	-	-	-
1.5690	-	-	-	-	0.0230	-	-	-	-
1.4860	-	-	-	-	0.0160	-	-	-	-
1.4860	-	-	-	-	0.0160	-	-	-	-
1.4860	-	-	-	-	0.0160	-	-	-	-
1.4860	-	-	-	-	0.0160	-	-	-	-
1.4860	-	-	-	-	0.0160	-	-	-	-
1.4690	-	-	-	-	0.0150	-	-	-	-
	-	-	4.4821	-		-	-	0.3601	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.5615	-	-	-	-
0.5614	-	-	-	-
0.5250	-	-	-	-
0.4786	-	-	-	-
0.3941	-	-	-	-
0.3563	-	-	-	-
0.3313	-	-	0.3313	-
0.2681	-	-	-	-
0.2135	-	-	-	-
0.1928	-	-	-	-
0.1734	-	-	-	-
0.1469	-	-	-	-
0.1469	-	-	-	-
0.1469	-	-	-	-
0.1469	-	-	-	-
0.1469	-	-	-	-
0.0230	-	-	-	-
0.0230	-	-	-	-
0.0230	-	-	-	-
0.0230	-	-	-	-
0.0230	-	-	-	-
0.0160	-	-	-	-
0.0160	-	-	-	-
0.0160	-	-	-	-
0.0160	-	-	-	-
0.0160	-	-	-	-
0.0150	-	-	-	-
	-	-	0.3313	-

CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
518.8933	-	-	-	-
513.6254	-	-	-	-
508.3574	-	-	-	-
500.4555	-	-	-	-
492.5536	-	-	-	-
484.6516	-	-	-	-
474.1157	-	-	474.1157	-
474.1157	-	-	-	-
474.1157	-	-	-	-
474.1157	-	-	-	-
474.1157	-	-	-	-
474.1157	-	-	-	-
474.1157	-	-	-	-
474.1157	-	-	-	-
474.1157	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
568.2990	-	-	-	-
	-	-	474.1157	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	0.0049	-	0.1533	-	-	0.1533	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0049	-	-	-	-	0.1533	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
	-	-	0.0049	-		-	-	0.1533	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Tractors/Loaders/Backhoes	ROG	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
2014	0.5822	-	-	-	-	3.8272	-	-	-	-
2015	0.5693	-	-	-	-	3.8320	-	-	-	-
2016	0.5380	-	-	-	-	3.8115	-	-	-	-
2017	0.5005	-	-	-	-	3.7818	-	-	-	-
2018	0.4204	-	-	-	-	3.6916	-	-	-	-
2019	0.3678	-	-	-	-	3.6378	-	-	-	-
2020	0.3310	-	-	0.3310	-	3.6015	-	-	3.6015	-
2021	0.2959	-	-	-	-	3.5707	-	-	-	-
2022	0.2602	-	-	-	-	3.5355	-	-	-	-
2023	0.2391	-	-	-	-	3.5250	-	-	-	-
2024	0.2274	-	-	-	-	3.5318	-	-	-	-
2025	0.2087	-	-	-	-	3.5224	-	-	-	-
2026	0.2087	-	-	-	-	3.5224	-	-	-	-
2027	0.2087	-	-	-	-	3.5224	-	-	-	-
2028	0.2087	-	-	-	-	3.5224	-	-	-	-
2029	0.2087	-	-	-	-	3.5224	-	-	-	-
2030	0.2720	-	-	-	-	3.7050	-	-	-	-
2031	0.2720	-	-	-	-	3.7050	-	-	-	-
2032	0.2720	-	-	-	-	3.7050	-	-	-	-
2033	0.2720	-	-	-	-	3.7050	-	-	-	-
2034	0.2720	-	-	-	-	3.7050	-	-	-	-
2035	0.2580	-	-	-	-	3.7030	-	-	-	-
2036	0.2580	-	-	-	-	3.7030	-	-	-	-
2037	0.2580	-	-	-	-	3.7030	-	-	-	-
2038	0.2580	-	-	-	-	3.7030	-	-	-	-
2039	0.2580	-	-	-	-	3.7030	-	-	-	-
2040	0.2540	-	-	-	-	3.7030	-	-	-	-
Tractors/Loaders/Backhoes Total		-	-	0.3310	-		-	-	3.6015	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.5808	-	-	-	-	0.4384	-	-	-	-
5.4221	-	-	-	-	0.4244	-	-	-	-
5.1424	-	-	-	-	0.3959	-	-	-	-
4.8087	-	-	-	-	0.3616	-	-	-	-
4.1544	-	-	-	-	0.2943	-	-	-	-
3.6926	-	-	-	-	0.2465	-	-	-	-
3.3257	-	-	3.3257	-	0.2103	-	-	0.2103	-
2.9950	-	-	-	-	0.1766	-	-	-	-
2.6472	-	-	-	-	0.1424	-	-	-	-
2.4261	-	-	-	-	0.1198	-	-	-	-
2.2880	-	-	-	-	0.1050	-	-	-	-
2.1092	-	-	-	-	0.0855	-	-	-	-
2.1092	-	-	-	-	0.0855	-	-	-	-
2.1092	-	-	-	-	0.0855	-	-	-	-
2.1092	-	-	-	-	0.0855	-	-	-	-
2.1092	-	-	-	-	0.0855	-	-	-	-
1.6240	-	-	-	-	0.0300	-	-	-	-
1.6240	-	-	-	-	0.0300	-	-	-	-
1.6240	-	-	-	-	0.0300	-	-	-	-
1.6240	-	-	-	-	0.0300	-	-	-	-
1.6240	-	-	-	-	0.0300	-	-	-	-
1.5210	-	-	-	-	0.0200	-	-	-	-
1.5210	-	-	-	-	0.0200	-	-	-	-
1.5210	-	-	-	-	0.0200	-	-	-	-
1.5210	-	-	-	-	0.0200	-	-	-	-
1.5210	-	-	-	-	0.0200	-	-	-	-
1.4850	-	-	-	-	0.0160	-	-	-	-
	-	-	3.3257	-		-	-	0.2103	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4033	-	-	-	-	523.0168	-	-	-	-
0.3904	-	-	-	-	517.3652	-	-	-	-
0.3643	-	-	-	-	511.3456	-	-	-	-
0.3327	-	-	-	-	502.7952	-	-	-	-
0.2708	-	-	-	-	494.1237	-	-	-	-
0.2268	-	-	-	-	485.8548	-	-	-	-
0.1935	-	-	0.1935	-	475.1543	-	-	475.1543	-
0.1625	-	-	-	-	475.3621	-	-	-	-
0.1310	-	-	-	-	475.8975	-	-	-	-
0.1102	-	-	-	-	476.4307	-	-	-	-
0.0966	-	-	-	-	476.7313	-	-	-	-
0.0786	-	-	-	-	477.1880	-	-	-	-
0.0786	-	-	-	-	477.1880	-	-	-	-
0.0786	-	-	-	-	477.1880	-	-	-	-
0.0786	-	-	-	-	477.1880	-	-	-	-
0.0786	-	-	-	-	477.1880	-	-	-	-
0.0300	-	-	-	-	568.2990	-	-	-	-
0.0300	-	-	-	-	568.2990	-	-	-	-
0.0300	-	-	-	-	568.2990	-	-	-	-
0.0300	-	-	-	-	568.2990	-	-	-	-
0.0300	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0200	-	-	-	-	568.2990	-	-	-	-
0.0160	-	-	-	-	568.2990	-	-	-	-
	-	-	0.1935	-		-	-	475.1543	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1546	-	-	-	-
0.0049	-	-	-	-	0.1545	-	-	-	-
0.0049	-	-	-	-	0.1542	-	-	-	-
0.0049	-	-	-	-	0.1541	-	-	-	-
0.0049	-	-	-	-	0.1538	-	-	-	-
0.0049	-	-	-	-	0.1537	-	-	-	-
0.0049	-	-	0.0049	-	0.1537	-	-	0.1537	-
0.0049	-	-	-	-	0.1537	-	-	-	-
0.0049	-	-	-	-	0.1539	-	-	-	-
0.0049	-	-	-	-	0.1541	-	-	-	-
0.0049	-	-	-	-	0.1542	-	-	-	-
0.0049	-	-	-	-	0.1543	-	-	-	-
0.0049	-	-	-	-	0.1543	-	-	-	-
0.0049	-	-	-	-	0.1543	-	-	-	-
0.0049	-	-	-	-	0.1543	-	-	-	-
0.0049	-	-	-	-	0.1543	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0240	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0230	-	-	-	-
0.0060	-	-	-	-	0.0220	-	-	-	-
	-	-	0.0049	-		-	-	0.1537	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Trenchers	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	0.8181	-	-	-	-	3.9988		-	-	-	-
	2015	0.8171	-	-	-	-	4.0143		-	-	-	-
	2016	0.7880	-	-	-	-	3.9882		-	-	-	-
	2017	0.7615	-	-	-	-	3.9683		-	-	-	-
	2018	0.6581	-	-	-	-	3.8549		-	-	-	-
	2019	0.6314	-	-	-	-	3.8368		-	-	-	-
	2020	0.6102	-	-	0.6102	-	3.8327		-	-	3.8327	-
	2021	0.5560	-	-	-	-	3.7891		-	-	-	-
	2022	0.5290	-	-	-	-	3.7784		-	-	-	-
	2023	0.5040	-	-	-	-	3.7684		-	-	-	-
	2024	0.4943	-	-	-	-	3.7685		-	-	-	-
	2025	0.4565	-	-	-	-	3.7344		-	-	-	-
	2026	0.4565	-	-	-	-	3.7344		-	-	-	-
	2027	0.4565	-	-	-	-	3.7344		-	-	-	-
	2028	0.4565	-	-	-	-	3.7344		-	-	-	-
	2029	0.4565	-	-	-	-	3.7344		-	-	-	-
	2030	0.4090	-	-	-	-	3.7430		-	-	-	-
	2031	0.4090	-	-	-	-	3.7430		-	-	-	-
	2032	0.4090	-	-	-	-	3.7430		-	-	-	-
	2033	0.4090	-	-	-	-	3.7430		-	-	-	-
	2034	0.4090	-	-	-	-	3.7430		-	-	-	-
	2035	0.3320	-	-	-	-	3.7130		-	-	-	-
	2036	0.3320	-	-	-	-	3.7130		-	-	-	-
	2037	0.3320	-	-	-	-	3.7130		-	-	-	-
	2038	0.3320	-	-	-	-	3.7130		-	-	-	-
	2039	0.3320	-	-	-	-	3.7130		-	-	-	-
	2040	0.2930	-	-	-	-	3.6990		-	-	-	-
Trenchers Total			-	-	0.6102	-			-	-	3.8327	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
7.2172	-	-	-	-	0.5629	-	-	-	-
7.1786	-	-	-	-	0.5616	-	-	-	-
6.9022	-	-	-	-	0.5413	-	-	-	-
6.6788	-	-	-	-	0.5232	-	-	-	-
5.9153	-	-	-	-	0.4500	-	-	-	-
5.6951	-	-	-	-	0.4306	-	-	-	-
5.5195	-	-	5.5195	-	0.4132	-	-	0.4132	-
5.1059	-	-	-	-	0.3707	-	-	-	-
4.9135	-	-	-	-	0.3481	-	-	-	-
4.7005	-	-	-	-	0.3261	-	-	-	-
4.5932	-	-	-	-	0.3178	-	-	-	-
4.2790	-	-	-	-	0.2850	-	-	-	-
4.2790	-	-	-	-	0.2850	-	-	-	-
4.2790	-	-	-	-	0.2850	-	-	-	-
4.2790	-	-	-	-	0.2850	-	-	-	-
4.2790	-	-	-	-	0.2850	-	-	-	-
2.5590	-	-	-	-	0.1320	-	-	-	-
2.5590	-	-	-	-	0.1320	-	-	-	-
2.5590	-	-	-	-	0.1320	-	-	-	-
2.5590	-	-	-	-	0.1320	-	-	-	-
2.5590	-	-	-	-	0.1320	-	-	-	-
2.0490	-	-	-	-	0.0760	-	-	-	-
2.0490	-	-	-	-	0.0760	-	-	-	-
2.0490	-	-	-	-	0.0760	-	-	-	-
2.0490	-	-	-	-	0.0760	-	-	-	-
2.0490	-	-	-	-	0.0760	-	-	-	-
1.7670	-	-	-	-	0.0470	-	-	-	-
	-	-	5.5195	-		-	-	0.4132	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.5179	-	-	-	-	520.7658	-	-	-	-
0.5167	-	-	-	-	515.3955	-	-	-	-
0.4980	-	-	-	-	509.9027	-	-	-	-
0.4813	-	-	-	-	501.9916	-	-	-	-
0.4140	-	-	-	-	493.7150	-	-	-	-
0.3961	-	-	-	-	485.3635	-	-	-	-
0.3802	-	-	0.3802	-	475.1265	-	-	475.1265	-
0.3411	-	-	-	-	475.2870	-	-	-	-
0.3203	-	-	-	-	475.3262	-	-	-	-
0.3000	-	-	-	-	475.6903	-	-	-	-
0.2924	-	-	-	-	475.6324	-	-	-	-
0.2622	-	-	-	-	475.9014	-	-	-	-
0.2622	-	-	-	-	475.9014	-	-	-	-
0.2622	-	-	-	-	475.9014	-	-	-	-
0.2622	-	-	-	-	475.9014	-	-	-	-
0.2622	-	-	-	-	475.9014	-	-	-	-
0.1320	-	-	-	-	568.2990	-	-	-	-
0.1320	-	-	-	-	568.2990	-	-	-	-
0.1320	-	-	-	-	568.2990	-	-	-	-
0.1320	-	-	-	-	568.2990	-	-	-	-
0.1320	-	-	-	-	568.2990	-	-	-	-
0.0760	-	-	-	-	568.3000	-	-	-	-
0.0760	-	-	-	-	568.3000	-	-	-	-
0.0760	-	-	-	-	568.3000	-	-	-	-
0.0760	-	-	-	-	568.3000	-	-	-	-
0.0760	-	-	-	-	568.3000	-	-	-	-
0.0470	-	-	-	-	568.2990	-	-	-	-
	-	-	0.3802	-		-	-	475.1265	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CH4	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0049	-	-	-	-	0.1539	-	-	-	-
0.0049	-	-	-	-	0.1539	-	-	-	-
0.0049	-	-	-	-	0.1538	-	-	-	-
0.0049	-	-	-	-	0.1538	-	-	-	-
0.0049	-	-	-	-	0.1537	-	-	-	-
0.0049	-	-	-	-	0.1536	-	-	-	-
0.0049	-	-	0.0049	-	0.1537	-	-	0.1537	-
0.0049	-	-	-	-	0.1537	-	-	-	-
0.0049	-	-	-	-	0.1537	-	-	-	-
0.0049	-	-	-	-	0.1538	-	-	-	-
0.0049	-	-	-	-	0.1538	-	-	-	-
0.0049	-	-	-	-	0.1539	-	-	-	-
0.0049	-	-	-	-	0.1539	-	-	-	-
0.0049	-	-	-	-	0.1539	-	-	-	-
0.0049	-	-	-	-	0.1539	-	-	-	-
0.0049	-	-	-	-	0.1539	-	-	-	-
0.0060	-	-	-	-	0.0360	-	-	-	-
0.0060	-	-	-	-	0.0360	-	-	-	-
0.0060	-	-	-	-	0.0360	-	-	-	-
0.0060	-	-	-	-	0.0360	-	-	-	-
0.0060	-	-	-	-	0.0360	-	-	-	-
0.0060	-	-	-	-	0.0300	-	-	-	-
0.0060	-	-	-	-	0.0300	-	-	-	-
0.0060	-	-	-	-	0.0300	-	-	-	-
0.0060	-	-	-	-	0.0300	-	-	-	-
0.0060	-	-	-	-	0.0300	-	-	-	-
0.0060	-	-	-	-	0.0260	-	-	-	-
	-	-	0.0049	-		-	-	0.1537	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	0.0043	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
0.0043	-	-	-	-
	-	-	0.0043	-

Welders	ROG		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO		Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
	2014	1.9000	-	-	-	-	5.7490		-	-	-	-
	2015	1.7150	-	-	-	-	5.5620		-	-	-	-
	2016	1.5400	-	-	-	-	5.3950		-	-	-	-
	2017	1.3720	-	-	-	-	5.2390		-	-	-	-
	2018	1.2100	-	-	-	-	5.0920		-	-	-	-
	2019	1.0550	-	-	-	-	4.9500		-	-	-	-
	2020	0.9370	-	-	0.9370	-	4.8400		-	-	4.8400	-
	2021	0.8290	-	-	-	-	4.7080		-	-	-	-
	2022	0.7580	-	-	-	-	4.6450		-	-	-	-
	2023	0.6970	-	-	-	-	4.5960		-	-	-	-
	2024	0.6460	-	-	-	-	4.5570		-	-	-	-
	2025	0.6020	-	-	-	-	4.5240		-	-	-	-
	2026	0.6020	-	-	-	-	4.5240		-	-	-	-
	2027	0.6020	-	-	-	-	4.5240		-	-	-	-
	2028	0.6020	-	-	-	-	4.5240		-	-	-	-
	2029	0.6020	-	-	-	-	4.5240		-	-	-	-
	2030	0.4490	-	-	-	-	4.3870		-	-	-	-
	2031	0.4490	-	-	-	-	4.3870		-	-	-	-
	2032	0.4490	-	-	-	-	4.3870		-	-	-	-
	2033	0.4490	-	-	-	-	4.3870		-	-	-	-
	2034	0.4490	-	-	-	-	4.3870		-	-	-	-
	2035	0.4060	-	-	-	-	4.3490		-	-	-	-
	2036	0.4060	-	-	-	-	4.3490		-	-	-	-
	2037	0.4060	-	-	-	-	4.3490		-	-	-	-
	2038	0.4060	-	-	-	-	4.3490		-	-	-	-
	2039	0.4060	-	-	-	-	4.3490		-	-	-	-
	2040	0.4020	-	-	-	-	4.3360		-	-	-	-
Welders Total			-	-	0.9370	-			-	-	4.8400	-

NOx	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	PM10	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
5.3080	-	-	-	-	0.4730	-	-	-	-
5.1130	-	-	-	-	0.4300	-	-	-	-
4.9360	-	-	-	-	0.3890	-	-	-	-
4.7680	-	-	-	-	0.3500	-	-	-	-
4.6070	-	-	-	-	0.3110	-	-	-	-
4.4490	-	-	-	-	0.2730	-	-	-	-
4.3040	-	-	4.3040	-	0.2380	-	-	0.2380	-
4.1330	-	-	-	-	0.2030	-	-	-	-
4.0070	-	-	-	-	0.1750	-	-	-	-
3.8910	-	-	-	-	0.1510	-	-	-	-
3.7820	-	-	-	-	0.1300	-	-	-	-
3.6760	-	-	-	-	0.1120	-	-	-	-
3.6760	-	-	-	-	0.1120	-	-	-	-
3.6760	-	-	-	-	0.1120	-	-	-	-
3.6760	-	-	-	-	0.1120	-	-	-	-
3.6760	-	-	-	-	0.1120	-	-	-	-
3.2730	-	-	-	-	0.0450	-	-	-	-
3.2730	-	-	-	-	0.0450	-	-	-	-
3.2730	-	-	-	-	0.0450	-	-	-	-
3.2730	-	-	-	-	0.0450	-	-	-	-
3.2730	-	-	-	-	0.0450	-	-	-	-
3.1470	-	-	-	-	0.0220	-	-	-	-
3.1470	-	-	-	-	0.0220	-	-	-	-
3.1470	-	-	-	-	0.0220	-	-	-	-
3.1470	-	-	-	-	0.0220	-	-	-	-
3.1470	-	-	-	-	0.0220	-	-	-	-
3.0930	-	-	-	-	0.0150	-	-	-	-
	-	-	4.3040	-		-	-	0.2380	-

PM2.5	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving	CO2	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.4730	-	-	-	-	568.3000	-	-	-	-
0.4300	-	-	-	-	568.3000	-	-	-	-
0.3890	-	-	-	-	568.2990	-	-	-	-
0.3500	-	-	-	-	568.2990	-	-	-	-
0.3110	-	-	-	-	568.2990	-	-	-	-
0.2730	-	-	-	-	568.2990	-	-	-	-
0.2380	-	-	0.2380	-	568.2990	-	-	568.2990	-
0.2030	-	-	-	-	568.2990	-	-	-	-
0.1750	-	-	-	-	568.2990	-	-	-	-
0.1510	-	-	-	-	568.2990	-	-	-	-
0.1300	-	-	-	-	568.2990	-	-	-	-
0.1120	-	-	-	-	568.2990	-	-	-	-
0.1120	-	-	-	-	568.2990	-	-	-	-
0.1120	-	-	-	-	568.2990	-	-	-	-
0.1120	-	-	-	-	568.2990	-	-	-	-
0.1120	-	-	-	-	568.2990	-	-	-	-
0.0450	-	-	-	-	568.2990	-	-	-	-
0.0450	-	-	-	-	568.2990	-	-	-	-
0.0450	-	-	-	-	568.2990	-	-	-	-
0.0450	-	-	-	-	568.2990	-	-	-	-
0.0450	-	-	-	-	568.2990	-	-	-	-
0.0220	-	-	-	-	568.2990	-	-	-	-
0.0220	-	-	-	-	568.2990	-	-	-	-
0.0220	-	-	-	-	568.2990	-	-	-	-
0.0220	-	-	-	-	568.2990	-	-	-	-
0.0220	-	-	-	-	568.2990	-	-	-	-
0.0150	-	-	-	-	568.3000	-	-	-	-
	-	-	0.2380	-		-	-	568.2990	-

SOX	Weighted - Grubbing	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0070	-	-	-	-
0.0070	-	-	-	-
0.0070	-	-	-	-
0.0070	-	-	-	-
0.0070	-	-	-	-
0.0070	-	-	-	-
0.0070	-	-	0.0070	-
0.0070	-	-	-	-
0.0070	-	-	-	-
0.0070	-	-	-	-
0.0070	-	-	-	-
0.0070	-	-	-

N2O	Weighted -	Weighted - Grading	Weighted - Drainage	Weighted - Paving
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	0.0048	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
0.0048	-	-	-	-
	-	-	0.0048	-

Off-road Equipment Tier 4 Emission Factors

HP Bin		Emission Factor (g/bhp-hr)				
Low HP	High HP	ROG	CO	NOx	PM10	PM2.5
0	11	0.30	6.00	5.32	0.30	0.28
11	25	0.30	4.90	5.32	0.30	0.28
25	50	0.19	4.10	3.33	0.02	0.02
50	75	0.19	3.70	3.33	0.02	0.02
75	100	0.15	3.70	0.30	0.02	0.01
100	175	0.15	3.70	0.30	0.02	0.01
175	300	0.15	2.60	0.30	0.02	0.01
300	600	0.15	2.60	0.30	0.02	0.01
600	750	0.15	2.60	0.30	0.02	0.01
750	1200	0.15	2.60	2.60	0.03	0.03
1200	9999	0.15	2.60	2.60	0.03	0.03

92 % of PM2.5 in PM10 (from CEIDARS)
95 % of NOx in NMHC+NOx (from http://www.arb.ca.gov/msprog/moyer/guidelines/2005_Carl_Moyer_Guidelines_Part4.pdf)
1.07 VOC/NMHC

Note:
1. Tier 4 Emission Factors are converted from EPA Non-road Diesel Engine Standards. Available at www.arb.ca.gov/msprog/ordiesel/documents/Off-Road_Diesel_Stds.xls
2. Assume PM2.5 is 92% of PM10.

Default Horsepower and Load Factor

OFFROAD Equipment Type	Horsepower	Load Factor
Aerial Lifts	63	0.31
Air Compressors	78	0.48
Bore/Drill Rigs	221	0.5
Cement and Mortar Mixers	9	0.56
Concrete/Industrial Saws	81	0.73
Cranes	231	0.29
Crawler Tractors	212	0.43
Crushing/Proc. Equipment	85	0.78
Excavators	158	0.38
Forklifts	89	0.2
Generator Sets	84	0.74
Graders	187	0.41
Off-Highway Tractors	124	0.44
Off-Highway Trucks	402	0.38
Other Construction Equipment	172	0.42
Other General Industrial Equipment	88	0.34
Other Material Handling Equipment	168	0.4
Pavers	130	0.42
Paving Equipment	132	0.36
Plate Compactors	8	0.43
Pressure Washers	13	0.3
Pumps	84	0.74
Rollers	80	0.38
Rough Terrain Forklifts	100	0.4
Rubber Tired Dozers	247	0.4
Rubber Tired Loaders	203	0.36
Scrapers	367	0.48
Signal Boards	6	0.82
Skid Steer Loaders	65	0.37
Surfacing Equipment	263	0.3
Sweepers/Scrubbers	64	0.46
Tractors/Loaders/Backhoes	97	0.37
Trenchers	78	0.5
Welders	46	0.45

Default Horsepower and Load Factor from CalEEMod2016 Appendix D: Table 3.3

Sacramento Valley Air Basin Fleet Average Emission Factors (Diesel)

2014

2014		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.261	3.233	4.096	0.005	0.158	0.145	574.665	0.170	0.005
Aerial Lifts	25	0.261	3.233	4.096	0.005	0.158	0.145	574.665	0.170	0.005
Aerial Lifts	50	0.261	3.233	4.096	0.005	0.158	0.145	574.665	0.170	0.005
Aerial Lifts	120	0.202	3.220	3.373	0.005	0.161	0.148	516.703	0.153	0.004
Aerial Lifts	500	0.236	0.983	4.602	0.005	0.101	0.093	516.638	0.153	0.004
Aerial Lifts	750	0.299	1.178	3.761	0.005	0.109	0.109	568.299	0.027	0.004
Air Compressors	15	0.891	3.723	5.445	0.008	0.341	0.341	568.300	0.080	0.005
Air Compressors	25	0.960	2.780	5.000	0.007	0.291	0.291	568.299	0.086	0.005
Air Compressors	50	2.076	6.181	5.421	0.007	0.505	0.505	568.299	0.187	0.005
Air Compressors	120	0.901	3.880	5.608	0.006	0.495	0.495	568.299	0.081	0.004
Air Compressors	175	0.621	3.227	4.973	0.006	0.272	0.272	568.299	0.056	0.004
Air Compressors	250	0.405	1.237	4.399	0.006	0.134	0.134	568.299	0.036	0.004
Air Compressors	500	0.373	1.249	3.855	0.005	0.125	0.125	568.299	0.033	0.004
Air Compressors	750	0.378	1.249	3.991	0.005	0.128	0.128	568.299	0.034	0.004
Air Compressors	1000	0.445	1.493	5.512	0.005	0.157	0.157	568.300	0.040	0.004
Bore/Drill Rigs	15	0.834	4.691	5.332	0.006	0.382	0.351	591.442	0.175	0.005
Bore/Drill Rigs	25	0.834	4.691	5.332	0.006	0.382	0.351	591.442	0.175	0.005
Bore/Drill Rigs	50	0.834	4.691	5.332	0.006	0.382	0.351	591.442	0.175	0.005
Bore/Drill Rigs	120	0.319	3.327	4.195	0.005	0.249	0.229	501.365	0.148	0.004
Bore/Drill Rigs	175	0.308	3.040	4.066	0.005	0.186	0.171	524.052	0.155	0.004
Bore/Drill Rigs	250	0.217	1.174	3.525	0.005	0.105	0.097	512.336	0.151	0.004
Bore/Drill Rigs	500	0.202	1.239	3.186	0.005	0.101	0.093	506.154	0.150	0.004
Bore/Drill Rigs	750	0.157	1.087	2.373	0.005	0.081	0.074	525.240	0.155	0.004
Bore/Drill Rigs	1000	0.105	0.951	2.984	0.005	0.058	0.054	516.600	0.153	0.004
Cement and Mortar Mixers	15	0.666	3.469	4.191	0.008	0.177	0.177	568.299	0.060	0.005
Cement and Mortar Mixers	25	0.837	2.570	4.793	0.007	0.253	0.253	568.299	0.075	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.164	0.164	568.299	0.061	0.005
Concrete/Industrial Saws	50	1.626	5.313	5.172	0.007	0.424	0.424	568.299	0.146	0.005
Concrete/Industrial Saws	120	0.749	3.675	5.160	0.006	0.412	0.412	568.299	0.067	0.004
Concrete/Industrial Saws	175	0.517	3.080	4.531	0.006	0.228	0.228	568.299	0.046	0.004
Cranes	50	2.115	7.126	6.093	0.005	0.607	0.559	567.006	0.168	0.005
Cranes	120	1.245	4.923	10.302	0.005	0.765	0.704	514.029	0.152	0.004
Cranes	175	0.793	3.932	8.471	0.005	0.457	0.421	519.511	0.154	0.004
Cranes	250	0.661	2.726	7.860	0.005	0.360	0.331	517.683	0.153	0.004
Cranes	500	0.483	4.177	6.264	0.005	0.260	0.239	516.578	0.153	0.004
Cranes	750	0.280	1.635	4.327	0.005	0.151	0.139	515.607	0.152	0.004
Cranes	9999	0.120	0.948	2.281	0.005	0.054	0.050	516.638	0.153	0.004
Crawler Tractors	50	2.521	8.047	6.396	0.005	0.743	0.684	564.564	0.167	0.005
Crawler Tractors	120	0.884	4.168	7.524	0.005	0.629	0.578	522.119	0.154	0.004
Crawler Tractors	175	0.629	3.459	6.875	0.005	0.374	0.344	516.404	0.153	0.004
Crawler Tractors	250	0.454	1.838	6.238	0.005	0.241	0.222	518.036	0.153	0.004

2014

2014		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.412	2.911	5.616	0.005	0.217	0.200	520.515	0.154	0.004
Crawler Tractors	750	0.347	1.675	4.895	0.005	0.179	0.164	517.861	0.153	0.004
Crawler Tractors	1000	0.475	2.080	7.426	0.005	0.218	0.201	520.005	0.154	0.004
Crushing/Proc. Equipment	50	2.012	6.212	5.399	0.007	0.494	0.494	568.299	0.181	0.005
Crushing/Proc. Equipment	120	0.877	3.898	5.468	0.006	0.481	0.481	568.299	0.079	0.004
Crushing/Proc. Equipment	175	0.612	3.256	4.823	0.006	0.265	0.265	568.299	0.055	0.004
Crushing/Proc. Equipment	250	0.405	1.228	4.239	0.006	0.130	0.130	568.299	0.036	0.004
Crushing/Proc. Equipment	500	0.377	1.230	3.702	0.005	0.121	0.121	568.299	0.034	0.004
Crushing/Proc. Equipment	750	0.378	1.218	3.844	0.005	0.123	0.123	568.299	0.034	0.004
Crushing/Proc. Equipment	9999	0.456	1.460	5.391	0.005	0.155	0.155	568.299	0.041	0.004
Dumpers/Tenders	25	0.705	2.364	4.433	0.007	0.200	0.200	568.300	0.063	0.005
Excavators	25	0.825	4.844	4.965	0.005	0.380	0.350	575.267	0.170	0.005
Excavators	50	0.825	4.844	4.965	0.005	0.380	0.350	575.267	0.170	0.005
Excavators	120	0.513	3.663	5.131	0.005	0.382	0.352	511.306	0.151	0.004
Excavators	175	0.390	3.154	4.657	0.005	0.229	0.211	516.907	0.153	0.004
Excavators	250	0.294	1.346	4.374	0.005	0.139	0.128	517.323	0.153	0.004
Excavators	500	0.233	1.327	3.353	0.005	0.108	0.099	515.215	0.152	0.004
Excavators	750	0.239	1.347	3.541	0.005	0.114	0.105	511.945	0.151	0.004
Forklifts	50	2.114	7.321	6.006	0.005	0.656	0.604	575.112	0.170	0.005
Forklifts	120	0.795	4.079	6.848	0.005	0.574	0.528	516.062	0.153	0.004
Forklifts	175	0.578	3.521	6.352	0.005	0.345	0.318	516.694	0.153	0.004
Forklifts	250	0.615	2.501	7.276	0.005	0.330	0.304	518.028	0.153	0.004
Forklifts	500	0.541	4.252	6.353	0.005	0.289	0.266	518.345	0.153	0.004
Generator Sets	15	0.783	3.723	5.369	0.008	0.298	0.298	568.299	0.070	0.005
Generator Sets	25	0.821	2.780	5.000	0.007	0.272	0.272	568.299	0.074	0.005
Generator Sets	50	1.427	4.683	5.048	0.007	0.389	0.389	568.299	0.128	0.005
Generator Sets	120	0.721	3.532	5.147	0.006	0.385	0.385	568.299	0.065	0.004
Generator Sets	175	0.486	2.945	4.565	0.006	0.212	0.212	568.299	0.043	0.004
Generator Sets	250	0.311	1.130	4.025	0.006	0.111	0.111	568.300	0.028	0.004
Generator Sets	500	0.279	1.157	3.603	0.005	0.104	0.104	568.299	0.025	0.004
Generator Sets	750	0.289	1.157	3.724	0.005	0.106	0.106	568.299	0.026	0.004
Generator Sets	9999	0.389	1.377	5.150	0.005	0.138	0.138	568.299	0.035	0.004
Graders	50	3.094	9.065	6.550	0.005	0.867	0.798	539.122	0.159	0.005
Graders	120	1.269	4.920	9.986	0.005	0.832	0.765	515.382	0.152	0.004
Graders	175	0.847	3.951	8.702	0.005	0.488	0.449	527.834	0.156	0.004
Graders	250	0.390	1.462	5.740	0.005	0.185	0.171	522.330	0.154	0.004
Graders	500	0.314	1.791	3.714	0.005	0.143	0.131	517.377	0.153	0.004
Graders	750	0.437	1.483	3.876	0.005	0.138	0.138	568.299	0.039	0.004
Off-Highway Tractors	120	0.698	3.972	6.281	0.005	0.513	0.472	520.824	0.154	0.004
Off-Highway Tractors	175	0.424	3.265	5.025	0.005	0.258	0.237	518.164	0.153	0.004
Off-Highway Tractors	250	0.405	1.628	5.661	0.005	0.203	0.187	514.370	0.152	0.004
Off-Highway Tractors	750	0.267	1.334	4.007	0.005	0.133	0.122	516.904	0.153	0.004
Off-Highway Tractors	1000	0.085	0.947	2.279	0.005	0.054	0.050	516.638	0.153	0.004
Off-Highway Trucks	175	0.513	3.473	5.219	0.005	0.292	0.269	514.057	0.152	0.004
Off-Highway Trucks	250	0.483	1.932	5.441	0.005	0.236	0.217	512.833	0.152	0.004

2014

2014		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.393	2.075	4.686	0.005	0.180	0.165	521.057	0.154	0.004
Off-Highway Trucks	750	0.485	2.953	5.578	0.005	0.231	0.212	521.230	0.154	0.004
Off-Highway Trucks	1000	0.415	1.779	6.365	0.005	0.187	0.172	516.939	0.153	0.004
Other Construction Equipment	15	1.301	5.602	5.565	0.005	0.502	0.462	578.959	0.171	0.005
Other Construction Equipment	25	1.301	5.602	5.565	0.005	0.502	0.462	578.959	0.171	0.005
Other Construction Equipment	50	1.301	5.602	5.565	0.005	0.502	0.462	578.959	0.171	0.005
Other Construction Equipment	120	0.729	3.906	6.633	0.005	0.518	0.476	515.285	0.152	0.004
Other Construction Equipment	175	0.567	3.385	6.372	0.005	0.333	0.307	514.552	0.152	0.004
Other Construction Equipment	500	0.330	2.476	4.561	0.005	0.168	0.155	520.944	0.154	0.004
Other General Industrial Equipment	15	1.521	6.288	5.584	0.005	0.544	0.500	575.871	0.170	0.005
Other General Industrial Equipment	25	1.521	6.288	5.584	0.005	0.544	0.500	575.871	0.170	0.005
Other General Industrial Equipment	50	1.521	6.288	5.584	0.005	0.544	0.500	575.871	0.170	0.005
Other General Industrial Equipment	120	0.789	4.090	6.723	0.005	0.574	0.528	514.389	0.152	0.004
Other General Industrial Equipment	175	0.523	3.469	5.792	0.005	0.312	0.287	516.414	0.153	0.004
Other General Industrial Equipment	250	0.488	2.054	6.153	0.005	0.255	0.234	517.916	0.153	0.004
Other General Industrial Equipment	500	0.355	2.499	4.565	0.005	0.172	0.159	517.595	0.153	0.004
Other General Industrial Equipment	750	0.256	1.489	3.622	0.005	0.115	0.106	518.180	0.153	0.004
Other General Industrial Equipment	1000	0.346	1.080	6.379	0.005	0.167	0.153	516.638	0.153	0.004
Other Material Handling Equipment	50	1.695	6.590	5.751	0.005	0.575	0.529	573.170	0.169	0.005
Other Material Handling Equipment	120	0.558	3.779	5.372	0.005	0.412	0.379	518.316	0.153	0.004
Other Material Handling Equipment	175	0.528	3.431	5.798	0.005	0.313	0.288	516.818	0.153	0.004
Other Material Handling Equipment	250	0.475	1.936	6.173	0.005	0.242	0.223	516.011	0.153	0.004
Other Material Handling Equipment	500	0.331	1.927	4.357	0.005	0.169	0.155	514.714	0.152	0.004

2014

2014		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.141	0.978	3.436	0.005	0.067	0.061	516.638	0.153	0.004
Pavers	25	1.898	6.381	5.717	0.005	0.595	0.547	577.016	0.171	0.005
Pavers	50	1.898	6.381	5.717	0.005	0.595	0.547	577.016	0.171	0.005
Pavers	120	0.683	3.773	6.199	0.005	0.483	0.444	514.377	0.152	0.004
Pavers	175	0.502	3.115	5.736	0.005	0.287	0.264	516.745	0.153	0.004
Pavers	250	0.208	1.023	4.140	0.005	0.105	0.097	518.723	0.153	0.004
Pavers	500	0.180	1.005	3.047	0.005	0.101	0.093	512.191	0.151	0.004
Paving Equipment	25	1.053	4.952	5.184	0.005	0.437	0.402	569.482	0.168	0.005
Paving Equipment	50	1.053	4.952	5.184	0.005	0.437	0.402	569.482	0.168	0.005
Paving Equipment	120	0.677	3.837	6.370	0.005	0.486	0.447	518.076	0.153	0.004
Paving Equipment	175	0.415	3.097	5.216	0.005	0.249	0.229	515.034	0.152	0.004
Paving Equipment	250	0.310	1.370	4.782	0.005	0.158	0.146	516.900	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.783	3.723	5.369	0.008	0.298	0.298	568.299	0.070	0.005
Pressure Washers	25	0.821	2.780	5.000	0.007	0.272	0.272	568.299	0.074	0.005
Pressure Washers	50	1.096	3.951	4.873	0.007	0.332	0.332	568.299	0.098	0.005
Pressure Washers	120	0.634	3.367	4.912	0.006	0.332	0.332	568.299	0.057	0.004
Pressure Washers	175	0.469	2.923	4.513	0.006	0.206	0.206	568.299	0.042	0.004
Pressure Washers	250	0.137	0.986	1.047	0.006	0.014	0.014	568.299	0.012	0.004
Pumps	15	0.891	3.723	5.445	0.008	0.341	0.341	568.299	0.080	0.005
Pumps	25	0.960	2.780	5.000	0.007	0.291	0.291	568.299	0.086	0.005
Pumps	50	1.538	4.929	5.107	0.007	0.409	0.409	568.299	0.138	0.005
Pumps	120	0.751	3.587	5.226	0.006	0.403	0.403	568.299	0.067	0.004
Pumps	175	0.508	2.989	4.635	0.006	0.222	0.222	568.299	0.045	0.004
Pumps	250	0.326	1.149	4.090	0.006	0.115	0.115	568.299	0.029	0.004
Pumps	500	0.294	1.181	3.648	0.005	0.108	0.108	568.299	0.026	0.004
Pumps	750	0.303	1.181	3.770	0.005	0.110	0.110	568.299	0.027	0.004
Pumps	9999	0.399	1.406	5.210	0.005	0.141	0.141	568.299	0.036	0.004
Rollers	15	1.308	5.243	5.393	0.005	0.484	0.445	575.795	0.170	0.005
Rollers	25	1.308	5.243	5.393	0.005	0.484	0.445	575.795	0.170	0.005
Rollers	50	1.308	5.243	5.393	0.005	0.484	0.445	575.795	0.170	0.005
Rollers	120	0.695	3.809	6.390	0.005	0.476	0.438	518.787	0.153	0.004
Rollers	175	0.368	2.998	4.724	0.005	0.219	0.202	516.591	0.153	0.004
Rollers	250	0.381	1.760	5.403	0.005	0.191	0.176	517.811	0.153	0.004
Rollers	500	0.378	3.318	5.183	0.005	0.202	0.185	522.052	0.154	0.004
Rough Terrain Forklifts	50	1.182	4.887	5.226	0.005	0.436	0.401	575.353	0.170	0.005
Rough Terrain Forklifts	120	0.351	3.367	4.467	0.005	0.261	0.240	517.260	0.153	0.004
Rough Terrain Forklifts	175	0.221	2.852	3.594	0.005	0.140	0.128	516.091	0.153	0.004
Rough Terrain Forklifts	250	0.186	1.212	2.984	0.005	0.087	0.080	517.766	0.153	0.004
Rough Terrain Forklifts	500	0.170	0.954	3.500	0.005	0.076	0.070	511.657	0.151	0.004
Rubber Tired Dozers	175	0.961	4.226	9.834	0.005	0.563	0.518	518.335	0.153	0.004
Rubber Tired Dozers	250	0.721	2.712	7.972	0.005	0.393	0.361	520.011	0.154	0.004
Rubber Tired Dozers	500	0.707	6.165	8.058	0.005	0.376	0.346	524.676	0.155	0.004
Rubber Tired Dozers	750	0.513	2.756	7.147	0.005	0.258	0.237	517.790	0.153	0.004
Rubber Tired Dozers	1000	0.691	3.096	6.849	0.005	0.236	0.236	568.300	0.062	0.004
Rubber Tired Loaders	25	2.115	7.770	6.103	0.005	0.676	0.622	573.522	0.170	0.005

2014

2014		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	2.115	7.770	6.103	0.005	0.676	0.622	573.522	0.170	0.005
Rubber Tired Loaders	120	0.868	4.268	7.129	0.005	0.619	0.569	510.010	0.151	0.004
Rubber Tired Loaders	175	0.605	3.585	6.272	0.005	0.350	0.322	515.769	0.152	0.004
Rubber Tired Loaders	250	0.407	1.486	5.495	0.005	0.187	0.172	514.217	0.152	0.004
Rubber Tired Loaders	500	0.421	2.407	5.194	0.005	0.196	0.180	512.510	0.152	0.004
Rubber Tired Loaders	750	0.406	1.946	4.810	0.005	0.190	0.175	499.695	0.148	0.004
Rubber Tired Loaders	1000	0.414	1.457	6.692	0.005	0.195	0.179	515.307	0.152	0.004
Scrapers	120	0.719	4.100	7.065	0.005	0.526	0.484	529.945	0.157	0.004
Scrapers	175	0.718	3.807	7.907	0.005	0.419	0.385	524.171	0.155	0.004
Scrapers	250	0.742	3.061	8.815	0.005	0.403	0.371	512.853	0.152	0.004
Scrapers	500	0.479	3.898	6.233	0.005	0.251	0.231	517.361	0.153	0.004
Scrapers	750	0.369	2.846	5.012	0.005	0.190	0.174	517.394	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	1.625	5.231	5.139	0.007	0.422	0.422	568.299	0.146	0.005
Signal Boards	120	0.759	3.658	5.186	0.006	0.414	0.414	568.299	0.068	0.004
Signal Boards	175	0.520	3.058	4.582	0.006	0.228	0.228	568.299	0.046	0.004
Signal Boards	250	0.408	1.402	4.857	0.007	0.141	0.141	686.695	0.036	0.004
Skid Steer Loaders	25	0.664	4.016	4.541	0.005	0.286	0.263	577.076	0.171	0.005
Skid Steer Loaders	50	0.664	4.016	4.541	0.005	0.286	0.263	577.076	0.171	0.005
Skid Steer Loaders	120	0.304	3.338	4.013	0.005	0.235	0.216	517.062	0.153	0.004
Surfacing Equipment	50	1.141	4.877	5.425	0.006	0.434	0.400	582.725	0.172	0.005
Surfacing Equipment	120	0.559	3.580	5.520	0.005	0.391	0.360	516.338	0.153	0.004
Surfacing Equipment	175	0.472	3.012	5.711	0.005	0.273	0.251	515.820	0.152	0.004
Surfacing Equipment	250	0.306	1.434	5.102	0.005	0.149	0.137	521.452	0.154	0.004
Surfacing Equipment	500	0.237	1.501	3.895	0.005	0.126	0.116	513.616	0.152	0.004
Surfacing Equipment	750	0.174	1.020	3.284	0.005	0.103	0.095	516.321	0.153	0.004
Sweepers/Scrubbers	15	1.767	6.592	5.752	0.005	0.603	0.555	574.943	0.170	0.005
Sweepers/Scrubbers	25	1.767	6.592	5.752	0.005	0.603	0.555	574.943	0.170	0.005
Sweepers/Scrubbers	50	1.767	6.592	5.752	0.005	0.603	0.555	574.943	0.170	0.005
Sweepers/Scrubbers	120	0.833	4.071	6.934	0.005	0.610	0.562	518.893	0.153	0.004
Sweepers/Scrubbers	175	0.875	4.042	9.108	0.005	0.503	0.463	517.806	0.153	0.004
Sweepers/Scrubbers	250	0.505	2.066	6.704	0.005	0.265	0.244	514.527	0.152	0.004
Tractors/Loaders/Back hoes	25	1.336	5.772	5.369	0.005	0.488	0.449	564.042	0.167	0.005
Tractors/Loaders/Back hoes	50	1.336	5.772	5.369	0.005	0.488	0.449	564.042	0.167	0.005
Tractors/Loaders/Back hoes	120	0.582	3.827	5.581	0.005	0.438	0.403	523.017	0.155	0.004
Tractors/Loaders/Back hoes	175	0.423	3.239	4.938	0.005	0.248	0.229	513.890	0.152	0.004
Tractors/Loaders/Back hoes	250	0.327	1.376	4.922	0.005	0.159	0.146	515.175	0.152	0.004
Tractors/Loaders/Back hoes	500	0.312	1.878	4.488	0.005	0.152	0.140	517.124	0.153	0.004
Tractors/Loaders/Back hoes	750	0.305	1.833	4.243	0.005	0.154	0.141	511.337	0.151	0.004
Trenchers	15	1.268	5.293	5.455	0.005	0.501	0.461	577.728	0.171	0.005

2014

2014		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	1.268	5.293	5.455	0.005	0.501	0.461	577.728	0.171	0.005
Trenchers	50	1.268	5.293	5.455	0.005	0.501	0.461	577.728	0.171	0.005
Trenchers	120	0.818	3.999	7.217	0.005	0.563	0.518	520.766	0.154	0.004
Trenchers	175	0.693	3.668	7.699	0.005	0.395	0.364	512.148	0.151	0.004
Trenchers	250	0.497	2.070	6.484	0.005	0.258	0.237	517.719	0.153	0.004
Trenchers	500	0.306	2.035	4.370	0.005	0.161	0.148	513.744	0.152	0.004
Trenchers	750	0.118	0.964	1.825	0.005	0.061	0.056	519.658	0.154	0.004
Welders	15	0.891	3.723	5.445	0.008	0.341	0.341	568.300	0.080	0.005
Welders	25	0.960	2.780	5.000	0.007	0.291	0.291	568.299	0.086	0.005
Welders	50	1.900	5.749	5.308	0.007	0.473	0.473	568.300	0.171	0.005
Welders	120	0.849	3.774	5.481	0.006	0.464	0.464	568.299	0.076	0.004
Welders	175	0.581	3.141	4.862	0.006	0.255	0.255	568.299	0.052	0.004
Welders	250	0.376	1.207	4.297	0.006	0.128	0.128	568.299	0.034	0.004
Welders	500	0.343	1.227	3.788	0.005	0.119	0.119	568.299	0.031	0.004
Water Trucks	175	0.513	3.473	5.219	0.005	0.292	0.269	514.057	0.152	0.004
Water Trucks	250	0.483	1.932	5.441	0.005	0.236	0.217	512.833	0.152	0.004
Water Trucks	500	0.393	2.075	4.686	0.005	0.180	0.165	521.057	0.154	0.004
Water Trucks	750	0.485	2.953	5.578	0.005	0.231	0.212	521.230	0.154	0.004
Water Trucks	1000	0.415	1.779	6.365	0.005	0.187	0.172	516.939	0.153	0.004

2015

2015		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.248	3.233	3.933	0.005	0.136	0.125	568.831	0.170	0.005
Aerial Lifts	25	0.248	3.233	3.933	0.005	0.136	0.125	568.831	0.170	0.005
Aerial Lifts	50	0.248	3.233	3.933	0.005	0.136	0.125	568.831	0.170	0.005
Aerial Lifts	120	0.191	3.218	3.113	0.005	0.143	0.132	511.457	0.153	0.004
Aerial Lifts	500	0.239	0.988	4.621	0.005	0.102	0.094	511.392	0.153	0.004
Aerial Lifts	750	0.278	1.130	3.380	0.005	0.098	0.098	568.299	0.025	0.004
Air Compressors	15	0.840	3.658	5.196	0.008	0.311	0.311	568.299	0.075	0.005
Air Compressors	25	0.894	2.666	4.890	0.007	0.270	0.270	568.299	0.080	0.005
Air Compressors	50	1.868	5.968	5.223	0.007	0.459	0.459	568.299	0.168	0.005
Air Compressors	120	0.821	3.840	5.190	0.006	0.446	0.446	568.299	0.074	0.004
Air Compressors	175	0.571	3.218	4.504	0.006	0.245	0.245	568.299	0.051	0.004
Air Compressors	250	0.381	1.207	3.967	0.006	0.121	0.121	568.299	0.034	0.004
Air Compressors	500	0.354	1.198	3.455	0.005	0.113	0.113	568.300	0.032	0.004
Air Compressors	750	0.358	1.198	3.586	0.005	0.116	0.116	568.299	0.032	0.004
Air Compressors	1000	0.409	1.370	5.157	0.005	0.142	0.142	568.299	0.036	0.004
Bore/Drill Rigs	15	0.847	4.735	5.303	0.006	0.379	0.349	585.171	0.175	0.005
Bore/Drill Rigs	25	0.847	4.735	5.303	0.006	0.379	0.349	585.171	0.175	0.005
Bore/Drill Rigs	50	0.847	4.735	5.303	0.006	0.379	0.349	585.171	0.175	0.005
Bore/Drill Rigs	120	0.318	3.335	4.028	0.005	0.239	0.220	496.949	0.148	0.004
Bore/Drill Rigs	175	0.302	3.035	3.904	0.005	0.176	0.162	517.207	0.154	0.004
Bore/Drill Rigs	250	0.213	1.178	3.325	0.005	0.100	0.092	506.505	0.151	0.004
Bore/Drill Rigs	500	0.199	1.256	3.003	0.005	0.096	0.088	499.902	0.149	0.004
Bore/Drill Rigs	750	0.162	1.105	2.376	0.005	0.081	0.074	520.473	0.155	0.004
Bore/Drill Rigs	1000	0.109	0.956	2.994	0.005	0.059	0.054	511.253	0.153	0.004
Cement and Mortar Mixers	15	0.663	3.469	4.168	0.008	0.171	0.171	568.300	0.059	0.005
Cement and Mortar Mixers	25	0.811	2.531	4.712	0.007	0.240	0.240	568.299	0.073	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Industrial Saws	50	1.470	5.165	4.989	0.007	0.386	0.386	568.299	0.132	0.005
Concrete/Industrial Saws	120	0.683	3.647	4.789	0.006	0.372	0.372	568.300	0.061	0.004
Concrete/Industrial Saws	175	0.475	3.077	4.112	0.006	0.207	0.207	568.299	0.042	0.004
Cranes	50	2.087	7.125	6.075	0.005	0.601	0.553	561.224	0.168	0.005
Cranes	120	1.214	4.884	10.060	0.005	0.747	0.687	508.837	0.152	0.004
Cranes	175	0.782	3.918	8.325	0.005	0.450	0.414	514.260	0.154	0.004
Cranes	250	0.642	2.653	7.622	0.005	0.348	0.320	512.448	0.153	0.004
Cranes	500	0.475	4.110	6.124	0.005	0.253	0.233	511.197	0.153	0.004
Cranes	750	0.286	1.643	4.312	0.005	0.152	0.140	510.334	0.152	0.004
Cranes	9999	0.131	0.957	2.295	0.005	0.055	0.051	511.392	0.153	0.004
Crawler Tractors	50	2.513	8.076	6.377	0.005	0.741	0.682	558.888	0.167	0.005
Crawler Tractors	120	0.885	4.189	7.494	0.005	0.630	0.580	516.843	0.154	0.004
Crawler Tractors	175	0.632	3.479	6.849	0.005	0.376	0.346	511.306	0.153	0.004
Crawler Tractors	250	0.451	1.816	6.143	0.005	0.237	0.218	512.897	0.153	0.004

2015

2015		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.408	2.845	5.483	0.005	0.212	0.195	515.373	0.154	0.004
Crawler Tractors	750	0.351	1.664	4.883	0.005	0.179	0.165	512.540	0.153	0.004
Crawler Tractors	1000	0.479	2.088	7.463	0.005	0.220	0.202	514.830	0.154	0.004
Crushing/Proc. Equipment	50	1.796	5.996	5.195	0.007	0.446	0.446	568.299	0.162	0.005
Crushing/Proc. Equipment	120	0.797	3.859	5.040	0.006	0.430	0.430	568.299	0.071	0.004
Crushing/Proc. Equipment	175	0.562	3.247	4.343	0.006	0.237	0.237	568.299	0.050	0.004
Crushing/Proc. Equipment	250	0.382	1.201	3.801	0.006	0.117	0.117	568.299	0.034	0.004
Crushing/Proc. Equipment	500	0.358	1.184	3.304	0.005	0.109	0.109	568.299	0.032	0.004
Crushing/Proc. Equipment	750	0.358	1.176	3.422	0.005	0.111	0.111	568.299	0.032	0.004
Crushing/Proc. Equipment	9999	0.422	1.343	5.019	0.005	0.140	0.140	568.299	0.038	0.004
Dumpers/Tenders	25	0.696	2.350	4.402	0.007	0.187	0.187	568.299	0.062	0.005
Excavators	25	0.833	4.925	4.918	0.005	0.375	0.345	569.512	0.170	0.005
Excavators	50	0.833	4.925	4.918	0.005	0.375	0.345	569.512	0.170	0.005
Excavators	120	0.507	3.679	5.019	0.005	0.374	0.344	506.173	0.151	0.004
Excavators	175	0.384	3.168	4.481	0.005	0.221	0.204	511.687	0.153	0.004
Excavators	250	0.289	1.331	4.182	0.005	0.133	0.122	512.056	0.153	0.004
Excavators	500	0.232	1.317	3.214	0.005	0.104	0.096	509.868	0.152	0.004
Excavators	750	0.242	1.354	3.473	0.005	0.113	0.104	506.682	0.151	0.004
Forklifts	50	2.073	7.300	5.931	0.005	0.643	0.591	569.274	0.170	0.005
Forklifts	120	0.768	4.063	6.601	0.005	0.555	0.510	510.823	0.153	0.004
Forklifts	175	0.566	3.520	6.135	0.005	0.335	0.308	511.448	0.153	0.004
Forklifts	250	0.565	2.325	6.697	0.005	0.298	0.274	512.769	0.153	0.004
Forklifts	500	0.454	3.300	5.332	0.005	0.237	0.218	513.083	0.153	0.004
Generator Sets	15	0.747	3.658	5.141	0.008	0.280	0.280	568.299	0.067	0.005
Generator Sets	25	0.793	2.666	4.890	0.007	0.256	0.256	568.299	0.071	0.005
Generator Sets	50	1.281	4.538	4.858	0.007	0.353	0.353	568.299	0.115	0.005
Generator Sets	120	0.651	3.499	4.769	0.006	0.347	0.347	568.299	0.058	0.004
Generator Sets	175	0.440	2.938	4.138	0.006	0.191	0.191	568.299	0.039	0.004
Generator Sets	250	0.287	1.104	3.633	0.006	0.100	0.100	568.300	0.025	0.004
Generator Sets	500	0.258	1.114	3.231	0.005	0.094	0.094	568.299	0.023	0.004
Generator Sets	750	0.267	1.114	3.347	0.005	0.096	0.096	568.299	0.024	0.004
Generator Sets	9999	0.351	1.269	4.822	0.005	0.124	0.124	568.299	0.031	0.004
Graders	50	3.119	9.144	6.570	0.005	0.874	0.804	533.681	0.159	0.005
Graders	120	1.239	4.884	9.738	0.005	0.813	0.748	509.597	0.152	0.004
Graders	175	0.844	3.958	8.637	0.005	0.486	0.447	522.218	0.156	0.004
Graders	250	0.396	1.466	5.728	0.005	0.186	0.171	517.128	0.154	0.004
Graders	500	0.326	1.791	3.721	0.005	0.144	0.133	512.098	0.153	0.004
Graders	750	0.414	1.420	3.501	0.005	0.124	0.124	568.299	0.037	0.004
Off-Highway Tractors	120	0.674	3.965	6.067	0.005	0.494	0.455	515.320	0.154	0.004
Off-Highway Tractors	175	0.402	3.264	4.724	0.005	0.239	0.220	512.608	0.153	0.004
Off-Highway Tractors	250	0.400	1.605	5.528	0.005	0.199	0.183	509.190	0.152	0.004
Off-Highway Tractors	750	0.262	1.172	3.874	0.005	0.126	0.116	511.081	0.153	0.004
Off-Highway Tractors	1000	0.096	0.960	2.300	0.005	0.056	0.051	511.392	0.153	0.004
Off-Highway Trucks	175	0.508	3.489	5.104	0.005	0.284	0.262	508.701	0.152	0.004
Off-Highway Trucks	250	0.473	1.900	5.242	0.005	0.227	0.209	507.809	0.152	0.004

2015

2015		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.385	2.037	4.528	0.005	0.173	0.159	515.842	0.154	0.004
Off-Highway Trucks	750	0.452	2.620	5.124	0.005	0.209	0.192	514.644	0.154	0.004
Off-Highway Trucks	1000	0.411	1.772	6.280	0.005	0.185	0.170	511.137	0.153	0.004
Other Construction Equipment	15	1.309	5.681	5.564	0.005	0.503	0.463	573.020	0.171	0.005
Other Construction Equipment	25	1.309	5.681	5.564	0.005	0.503	0.463	573.020	0.171	0.005
Other Construction Equipment	50	1.309	5.681	5.564	0.005	0.503	0.463	573.020	0.171	0.005
Other Construction Equipment	120	0.723	3.916	6.536	0.005	0.512	0.471	510.171	0.152	0.004
Other Construction Equipment	175	0.557	3.382	6.231	0.005	0.326	0.300	509.307	0.152	0.004
Other Construction Equipment	500	0.324	2.407	4.415	0.005	0.163	0.150	515.195	0.154	0.004
Other General Industrial Equipment	15	1.495	6.325	5.524	0.005	0.532	0.490	570.024	0.170	0.005
Other General Industrial Equipment	25	1.495	6.325	5.524	0.005	0.532	0.490	570.024	0.170	0.005
Other General Industrial Equipment	50	1.495	6.325	5.524	0.005	0.532	0.490	570.024	0.170	0.005
Other General Industrial Equipment	120	0.761	4.081	6.502	0.005	0.553	0.509	509.166	0.152	0.004
Other General Industrial Equipment	175	0.495	3.454	5.397	0.005	0.294	0.270	511.171	0.153	0.004
Other General Industrial Equipment	250	0.452	1.926	5.643	0.005	0.230	0.211	512.658	0.153	0.004
Other General Industrial Equipment	500	0.353	2.436	4.425	0.005	0.167	0.154	512.340	0.153	0.004
Other General Industrial Equipment	750	0.251	1.491	3.365	0.005	0.109	0.100	512.919	0.153	0.004
Other General Industrial Equipment	1000	0.355	1.094	6.448	0.005	0.171	0.158	511.392	0.153	0.004
Other Material Handling Equipment	50	1.733	6.756	5.799	0.005	0.586	0.539	567.351	0.169	0.005
Other Material Handling Equipment	120	0.528	3.758	4.983	0.005	0.383	0.352	513.054	0.153	0.004
Other Material Handling Equipment	175	0.525	3.433	5.645	0.005	0.306	0.282	511.571	0.153	0.004
Other Material Handling Equipment	250	0.423	1.742	5.532	0.005	0.207	0.191	510.772	0.153	0.004
Other Material Handling Equipment	500	0.333	1.918	4.272	0.005	0.166	0.152	509.489	0.152	0.004

2015

2015		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.148	0.984	3.458	0.005	0.068	0.063	511.392	0.153	0.004
Pavers	25	1.853	6.340	5.637	0.005	0.579	0.533	571.086	0.171	0.005
Pavers	50	1.853	6.340	5.637	0.005	0.579	0.533	571.086	0.171	0.005
Pavers	120	0.680	3.788	6.141	0.005	0.479	0.441	509.377	0.152	0.004
Pavers	175	0.489	3.115	5.537	0.005	0.277	0.255	511.646	0.153	0.004
Pavers	250	0.214	1.031	4.161	0.005	0.107	0.098	513.468	0.153	0.004
Pavers	500	0.176	0.978	2.917	0.005	0.097	0.089	506.097	0.151	0.004
Paving Equipment	25	0.981	4.869	5.028	0.005	0.407	0.374	563.553	0.168	0.005
Paving Equipment	50	0.981	4.869	5.028	0.005	0.407	0.374	563.553	0.168	0.005
Paving Equipment	120	0.661	3.833	6.145	0.005	0.471	0.433	513.167	0.153	0.004
Paving Equipment	175	0.411	3.104	4.966	0.005	0.242	0.223	509.894	0.152	0.004
Paving Equipment	250	0.315	1.379	4.772	0.005	0.159	0.146	511.654	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.747	3.657	5.141	0.008	0.280	0.280	568.299	0.067	0.005
Pressure Washers	25	0.793	2.666	4.890	0.007	0.256	0.256	568.299	0.071	0.005
Pressure Washers	50	0.976	3.833	4.685	0.007	0.300	0.300	568.299	0.088	0.005
Pressure Washers	120	0.567	3.336	4.551	0.006	0.297	0.297	568.299	0.051	0.004
Pressure Washers	175	0.427	2.917	4.115	0.006	0.187	0.187	568.299	0.038	0.004
Pressure Washers	250	0.121	0.986	0.690	0.006	0.010	0.010	568.299	0.010	0.004
Pumps	15	0.840	3.658	5.196	0.008	0.311	0.311	568.299	0.075	0.005
Pumps	25	0.894	2.666	4.890	0.007	0.270	0.270	568.299	0.080	0.005
Pumps	50	1.384	4.775	4.916	0.007	0.371	0.371	568.300	0.124	0.005
Pumps	120	0.679	3.554	4.842	0.006	0.364	0.364	568.300	0.061	0.004
Pumps	175	0.461	2.983	4.202	0.006	0.200	0.200	568.299	0.041	0.004
Pumps	250	0.302	1.122	3.693	0.006	0.104	0.104	568.299	0.027	0.004
Pumps	500	0.273	1.134	3.272	0.005	0.097	0.097	568.299	0.024	0.004
Pumps	750	0.281	1.134	3.389	0.005	0.099	0.099	568.299	0.025	0.004
Pumps	9999	0.363	1.293	4.878	0.005	0.127	0.127	568.299	0.032	0.004
Rollers	15	1.311	5.290	5.365	0.005	0.481	0.443	569.921	0.170	0.005
Rollers	25	1.311	5.290	5.365	0.005	0.481	0.443	569.921	0.170	0.005
Rollers	50	1.311	5.290	5.365	0.005	0.481	0.443	569.921	0.170	0.005
Rollers	120	0.683	3.809	6.272	0.005	0.467	0.430	513.505	0.153	0.004
Rollers	175	0.364	3.006	4.630	0.005	0.216	0.198	511.394	0.153	0.004
Rollers	250	0.347	1.650	4.932	0.005	0.171	0.157	512.823	0.153	0.004
Rollers	500	0.371	3.245	5.031	0.005	0.195	0.179	517.285	0.154	0.004
Rough Terrain Forklifts	50	1.189	4.933	5.190	0.005	0.431	0.397	569.488	0.170	0.005
Rough Terrain Forklifts	120	0.338	3.366	4.280	0.005	0.247	0.228	512.086	0.153	0.004
Rough Terrain Forklifts	175	0.217	2.859	3.420	0.005	0.133	0.122	510.854	0.153	0.004
Rough Terrain Forklifts	250	0.140	1.012	2.463	0.005	0.058	0.054	512.164	0.153	0.004
Rough Terrain Forklifts	500	0.174	0.958	3.521	0.005	0.077	0.071	506.435	0.151	0.004
Rubber Tired Dozers	175	0.965	4.238	9.844	0.005	0.564	0.519	513.055	0.153	0.004
Rubber Tired Dozers	250	0.728	2.720	7.984	0.005	0.394	0.362	514.736	0.154	0.004
Rubber Tired Dozers	500	0.708	6.102	7.997	0.005	0.373	0.343	519.147	0.155	0.004
Rubber Tired Dozers	750	0.518	2.761	7.158	0.005	0.259	0.238	512.525	0.153	0.004
Rubber Tired Dozers	1000	0.661	2.901	6.556	0.005	0.222	0.222	568.299	0.059	0.004
Rubber Tired Loaders	25	2.108	7.834	6.112	0.005	0.675	0.621	567.672	0.170	0.005

2015

2015		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	2.108	7.834	6.112	0.005	0.675	0.621	567.672	0.170	0.005
Rubber Tired Loaders	120	0.856	4.274	7.012	0.005	0.606	0.558	505.023	0.151	0.004
Rubber Tired Loaders	175	0.595	3.588	6.097	0.005	0.341	0.313	510.468	0.152	0.004
Rubber Tired Loaders	250	0.406	1.480	5.369	0.005	0.183	0.169	508.913	0.152	0.004
Rubber Tired Loaders	500	0.415	2.332	5.020	0.005	0.190	0.174	506.372	0.151	0.004
Rubber Tired Loaders	750	0.395	1.789	4.556	0.005	0.179	0.165	495.310	0.148	0.004
Rubber Tired Loaders	1000	0.420	1.462	6.713	0.005	0.197	0.181	510.045	0.152	0.004
Scrapers	120	0.731	4.137	7.105	0.005	0.535	0.492	524.560	0.157	0.004
Scrapers	175	0.714	3.809	7.765	0.005	0.415	0.382	518.829	0.155	0.004
Scrapers	250	0.730	3.008	8.663	0.005	0.395	0.364	507.570	0.152	0.004
Scrapers	500	0.472	3.788	6.086	0.005	0.246	0.226	511.947	0.153	0.004
Scrapers	750	0.360	2.685	4.839	0.005	0.182	0.167	512.084	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	1.461	5.068	4.943	0.007	0.382	0.382	568.299	0.131	0.005
Signal Boards	120	0.687	3.624	4.791	0.006	0.371	0.371	568.299	0.062	0.004
Signal Boards	175	0.474	3.052	4.136	0.006	0.205	0.205	568.299	0.042	0.004
Signal Boards	250	0.380	1.371	4.365	0.007	0.127	0.127	686.695	0.034	0.004
Skid Steer Loaders	25	0.639	4.004	4.436	0.005	0.267	0.246	571.420	0.171	0.005
Skid Steer Loaders	50	0.639	4.004	4.436	0.005	0.267	0.246	571.420	0.171	0.005
Skid Steer Loaders	120	0.294	3.338	3.811	0.005	0.220	0.203	511.595	0.153	0.004
Surfacing Equipment	50	1.028	4.692	5.255	0.006	0.402	0.370	576.771	0.172	0.005
Surfacing Equipment	120	0.548	3.575	5.374	0.005	0.378	0.348	510.142	0.152	0.004
Surfacing Equipment	175	0.477	3.027	5.733	0.005	0.276	0.254	510.548	0.152	0.004
Surfacing Equipment	250	0.310	1.442	5.112	0.005	0.151	0.139	516.058	0.154	0.004
Surfacing Equipment	500	0.241	1.513	3.900	0.005	0.127	0.116	508.399	0.152	0.004
Surfacing Equipment	750	0.178	1.024	3.287	0.005	0.104	0.096	511.116	0.153	0.004
Sweepers/Scrubbers	15	1.808	6.754	5.772	0.005	0.611	0.562	569.106	0.170	0.005
Sweepers/Scrubbers	25	1.808	6.754	5.772	0.005	0.611	0.562	569.106	0.170	0.005
Sweepers/Scrubbers	50	1.808	6.754	5.772	0.005	0.611	0.562	569.106	0.170	0.005
Sweepers/Scrubbers	120	0.833	4.097	6.886	0.005	0.610	0.561	513.625	0.153	0.004
Sweepers/Scrubbers	175	0.839	3.982	8.697	0.005	0.479	0.441	512.549	0.153	0.004
Sweepers/Scrubbers	250	0.513	2.078	6.745	0.005	0.268	0.246	509.304	0.152	0.004
Tractors/Loaders/Backhoes	25	1.307	5.791	5.320	0.005	0.477	0.439	558.709	0.167	0.005
Tractors/Loaders/Backhoes	50	1.307	5.791	5.320	0.005	0.477	0.439	558.709	0.167	0.005
Tractors/Loaders/Backhoes	120	0.569	3.832	5.422	0.005	0.424	0.390	517.365	0.155	0.004
Tractors/Loaders/Backhoes	175	0.421	3.256	4.836	0.005	0.244	0.225	508.682	0.152	0.004
Tractors/Loaders/Backhoes	250	0.326	1.374	4.783	0.005	0.155	0.143	509.627	0.152	0.004
Tractors/Loaders/Backhoes	500	0.312	1.884	4.348	0.005	0.149	0.137	511.869	0.153	0.004
Tractors/Loaders/Backhoes	750	0.308	1.823	4.185	0.005	0.152	0.140	506.147	0.151	0.004
Trenchers	15	1.259	5.323	5.406	0.005	0.493	0.454	571.667	0.171	0.005

2015

2015		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	1.259	5.323	5.406	0.005	0.493	0.454	571.667	0.171	0.005
Trenchers	50	1.259	5.323	5.406	0.005	0.493	0.454	571.667	0.171	0.005
Trenchers	120	0.817	4.014	7.179	0.005	0.562	0.517	515.396	0.154	0.004
Trenchers	175	0.697	3.684	7.674	0.005	0.396	0.364	506.943	0.151	0.004
Trenchers	250	0.502	2.080	6.510	0.005	0.260	0.239	512.433	0.153	0.004
Trenchers	500	0.311	2.051	4.383	0.005	0.163	0.150	508.330	0.152	0.004
Trenchers	750	0.114	0.965	1.623	0.005	0.053	0.049	514.400	0.154	0.004
Welders	15	0.840	3.658	5.196	0.008	0.311	0.311	568.299	0.075	0.005
Welders	25	0.894	2.666	4.890	0.007	0.270	0.270	568.299	0.080	0.005
Welders	50	1.715	5.562	5.113	0.007	0.430	0.430	568.300	0.154	0.005
Welders	120	0.772	3.738	5.077	0.006	0.419	0.419	568.299	0.069	0.004
Welders	175	0.532	3.133	4.408	0.006	0.230	0.230	568.299	0.048	0.004
Welders	250	0.352	1.178	3.880	0.006	0.116	0.116	568.299	0.031	0.004
Welders	500	0.324	1.176	3.398	0.005	0.108	0.108	568.299	0.029	0.004
Water Trucks	175	0.508	3.489	5.104	0.005	0.284	0.262	508.701	0.152	0.004
Water Trucks	250	0.473	1.900	5.242	0.005	0.227	0.209	507.809	0.152	0.004
Water Trucks	500	0.385	2.037	4.528	0.005	0.173	0.159	515.842	0.154	0.004
Water Trucks	750	0.452	2.620	5.124	0.005	0.209	0.192	514.644	0.154	0.004
Water Trucks	1000	0.411	1.772	6.280	0.005	0.185	0.170	511.137	0.153	0.004

2016

2016		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.228	3.197	3.676	0.005	0.105	0.096	562.996	0.170	0.005
Aerial Lifts	25	0.228	3.197	3.676	0.005	0.105	0.096	562.996	0.170	0.005
Aerial Lifts	50	0.228	3.197	3.676	0.005	0.105	0.096	562.996	0.170	0.005
Aerial Lifts	120	0.166	3.201	2.722	0.005	0.112	0.103	506.211	0.153	0.004
Aerial Lifts	500	0.243	0.992	4.639	0.005	0.103	0.095	506.147	0.153	0.004
Aerial Lifts	750	0.257	1.089	3.015	0.005	0.088	0.088	568.299	0.023	0.004
Air Compressors	15	0.809	3.622	5.023	0.008	0.289	0.289	568.299	0.073	0.005
Air Compressors	25	0.855	2.604	4.803	0.007	0.255	0.255	568.299	0.077	0.005
Air Compressors	50	1.670	5.779	5.042	0.007	0.415	0.415	568.299	0.150	0.005
Air Compressors	120	0.744	3.804	4.790	0.006	0.397	0.397	568.299	0.067	0.004
Air Compressors	175	0.522	3.211	4.052	0.006	0.219	0.219	568.299	0.047	0.004
Air Compressors	250	0.359	1.182	3.553	0.006	0.109	0.109	568.299	0.032	0.004
Air Compressors	500	0.337	1.155	3.080	0.005	0.102	0.102	568.299	0.030	0.004
Air Compressors	750	0.340	1.155	3.201	0.005	0.104	0.104	568.299	0.030	0.004
Air Compressors	1000	0.383	1.295	4.854	0.005	0.131	0.131	568.299	0.034	0.004
Bore/Drill Rigs	15	0.869	4.797	5.298	0.006	0.383	0.352	579.326	0.175	0.005
Bore/Drill Rigs	25	0.869	4.797	5.298	0.006	0.383	0.352	579.326	0.175	0.005
Bore/Drill Rigs	50	0.869	4.797	5.298	0.006	0.383	0.352	579.326	0.175	0.005
Bore/Drill Rigs	120	0.307	3.326	3.821	0.005	0.221	0.204	491.655	0.148	0.004
Bore/Drill Rigs	175	0.286	3.023	3.616	0.005	0.162	0.149	511.433	0.154	0.004
Bore/Drill Rigs	250	0.193	1.133	2.902	0.005	0.085	0.078	502.128	0.152	0.004
Bore/Drill Rigs	500	0.171	1.133	2.510	0.005	0.077	0.071	494.761	0.149	0.004
Bore/Drill Rigs	750	0.153	1.120	2.166	0.005	0.072	0.066	514.883	0.155	0.004
Bore/Drill Rigs	1000	0.115	0.964	3.008	0.005	0.059	0.055	506.000	0.153	0.004
Cement and Mortar Mixers	15	0.662	3.469	4.153	0.008	0.167	0.167	568.300	0.059	0.005
Cement and Mortar Mixers	25	0.788	2.496	4.636	0.007	0.227	0.227	568.299	0.071	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	1.322	5.029	4.818	0.007	0.350	0.350	568.300	0.119	0.005
Concrete/Industrial Saws	120	0.620	3.620	4.432	0.006	0.333	0.333	568.300	0.055	0.004
Concrete/Industrial Saws	175	0.435	3.074	3.708	0.006	0.186	0.186	568.299	0.039	0.004
Cranes	50	2.130	7.268	6.110	0.005	0.610	0.561	555.441	0.168	0.005
Cranes	120	1.154	4.797	9.608	0.005	0.710	0.653	503.599	0.152	0.004
Cranes	175	0.744	3.862	7.887	0.005	0.427	0.393	508.952	0.154	0.004
Cranes	250	0.623	2.582	7.381	0.005	0.335	0.308	507.155	0.153	0.004
Cranes	500	0.443	3.834	5.649	0.005	0.233	0.215	506.088	0.153	0.004
Cranes	750	0.292	1.650	4.314	0.005	0.153	0.141	505.070	0.152	0.004
Cranes	9999	0.142	0.966	2.309	0.005	0.057	0.052	506.147	0.153	0.004
Crawler Tractors	50	2.519	8.104	6.317	0.005	0.733	0.674	553.214	0.167	0.005
Crawler Tractors	120	0.869	4.185	7.346	0.005	0.619	0.570	511.268	0.154	0.004
Crawler Tractors	175	0.624	3.482	6.721	0.005	0.371	0.341	506.034	0.153	0.004
Crawler Tractors	250	0.449	1.803	6.047	0.005	0.233	0.215	507.355	0.153	0.004

2016

2016		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.398	2.744	5.279	0.005	0.205	0.188	510.339	0.154	0.004
Crawler Tractors	750	0.346	1.621	4.724	0.005	0.174	0.160	507.253	0.153	0.004
Crawler Tractors	1000	0.483	2.094	7.499	0.005	0.222	0.204	509.667	0.154	0.004
Crushing/Proc. Equipment	50	1.593	5.801	5.006	0.007	0.399	0.399	568.299	0.143	0.005
Crushing/Proc. Equipment	120	0.720	3.823	4.631	0.006	0.379	0.379	568.299	0.065	0.004
Crushing/Proc. Equipment	175	0.513	3.241	3.883	0.006	0.210	0.210	568.299	0.046	0.004
Crushing/Proc. Equipment	250	0.360	1.178	3.381	0.006	0.105	0.105	568.299	0.032	0.004
Crushing/Proc. Equipment	500	0.340	1.146	2.928	0.005	0.098	0.098	568.299	0.030	0.004
Crushing/Proc. Equipment	750	0.339	1.140	3.021	0.005	0.099	0.099	568.299	0.030	0.004
Crushing/Proc. Equipment	9999	0.397	1.274	4.700	0.005	0.127	0.127	568.299	0.035	0.004
Dumpers/Tenders	25	0.690	2.342	4.378	0.007	0.175	0.175	568.299	0.062	0.005
Excavators	25	0.815	4.942	4.824	0.005	0.359	0.330	563.803	0.170	0.005
Excavators	50	0.815	4.942	4.824	0.005	0.359	0.330	563.803	0.170	0.005
Excavators	120	0.476	3.661	4.708	0.005	0.344	0.317	500.966	0.151	0.004
Excavators	175	0.358	3.158	4.081	0.005	0.201	0.185	506.495	0.153	0.004
Excavators	250	0.262	1.277	3.667	0.005	0.116	0.107	506.544	0.153	0.004
Excavators	500	0.213	1.233	2.815	0.005	0.091	0.083	504.290	0.152	0.004
Excavators	750	0.242	1.349	3.358	0.005	0.110	0.101	501.660	0.151	0.004
Forklifts	50	1.864	6.935	5.662	0.005	0.583	0.537	563.435	0.170	0.005
Forklifts	120	0.723	4.023	6.222	0.005	0.520	0.479	505.583	0.153	0.004
Forklifts	175	0.530	3.473	5.675	0.005	0.310	0.285	506.203	0.153	0.004
Forklifts	250	0.539	2.226	6.353	0.005	0.280	0.258	507.510	0.153	0.004
Forklifts	500	0.353	2.572	4.042	0.005	0.174	0.160	507.821	0.153	0.004
Generator Sets	15	0.720	3.622	4.978	0.008	0.264	0.264	568.299	0.065	0.005
Generator Sets	25	0.773	2.604	4.803	0.007	0.244	0.244	568.299	0.069	0.005
Generator Sets	50	1.146	4.410	4.685	0.007	0.318	0.318	568.299	0.103	0.005
Generator Sets	120	0.583	3.469	4.410	0.006	0.309	0.309	568.299	0.052	0.004
Generator Sets	175	0.396	2.934	3.731	0.006	0.170	0.170	568.299	0.035	0.004
Generator Sets	250	0.265	1.081	3.259	0.006	0.090	0.090	568.299	0.023	0.004
Generator Sets	500	0.239	1.077	2.882	0.005	0.084	0.084	568.299	0.021	0.004
Generator Sets	750	0.247	1.077	2.989	0.005	0.086	0.086	568.300	0.022	0.004
Generator Sets	9999	0.324	1.204	4.542	0.005	0.113	0.113	568.299	0.029	0.004
Graders	50	3.085	9.106	6.520	0.005	0.864	0.795	528.244	0.159	0.005
Graders	120	1.193	4.829	9.415	0.005	0.780	0.718	503.161	0.152	0.004
Graders	175	0.810	3.916	8.250	0.005	0.464	0.426	516.131	0.156	0.004
Graders	250	0.398	1.459	5.663	0.005	0.184	0.169	511.696	0.154	0.004
Graders	500	0.334	1.774	3.686	0.005	0.144	0.133	506.506	0.153	0.004
Graders	750	0.393	1.367	3.154	0.005	0.112	0.112	568.299	0.035	0.004
Off-Highway Tractors	120	0.625	3.925	5.647	0.005	0.454	0.418	509.447	0.154	0.004
Off-Highway Tractors	175	0.391	3.278	4.511	0.005	0.229	0.211	507.629	0.153	0.004
Off-Highway Tractors	250	0.359	1.472	4.930	0.005	0.171	0.157	504.123	0.152	0.004
Off-Highway Tractors	750	0.252	1.143	3.573	0.005	0.117	0.108	505.762	0.153	0.004
Off-Highway Tractors	1000	0.107	0.973	2.320	0.005	0.057	0.053	506.147	0.153	0.004
Off-Highway Trucks	175	0.473	3.459	4.647	0.005	0.258	0.237	503.552	0.152	0.004
Off-Highway Trucks	250	0.446	1.824	4.826	0.005	0.208	0.191	502.473	0.152	0.004

2016

2016		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.351	1.885	4.048	0.005	0.153	0.141	509.860	0.154	0.004
Off-Highway Trucks	750	0.418	2.436	4.642	0.005	0.187	0.172	508.392	0.153	0.004
Off-Highway Trucks	1000	0.393	1.707	6.035	0.005	0.175	0.161	505.722	0.153	0.004
Other Construction Equipment	15	1.281	5.677	5.499	0.005	0.492	0.453	566.978	0.171	0.005
Other Construction Equipment	25	1.281	5.677	5.499	0.005	0.492	0.453	566.978	0.171	0.005
Other Construction Equipment	50	1.281	5.677	5.499	0.005	0.492	0.453	566.978	0.171	0.005
Other Construction Equipment	120	0.703	3.909	6.325	0.005	0.496	0.456	505.349	0.152	0.004
Other Construction Equipment	175	0.524	3.357	5.818	0.005	0.306	0.282	503.964	0.152	0.004
Other Construction Equipment	500	0.308	2.285	4.090	0.005	0.151	0.139	509.706	0.154	0.004
Other General Industrial Equipment	15	1.421	6.259	5.407	0.005	0.507	0.466	564.178	0.170	0.005
Other General Industrial Equipment	25	1.421	6.259	5.407	0.005	0.507	0.466	564.178	0.170	0.005
Other General Industrial Equipment	50	1.421	6.259	5.407	0.005	0.507	0.466	564.178	0.170	0.005
Other General Industrial Equipment	120	0.716	4.045	6.144	0.005	0.518	0.476	503.944	0.152	0.004
Other General Industrial Equipment	175	0.470	3.437	5.055	0.005	0.276	0.254	505.928	0.153	0.004
Other General Industrial Equipment	250	0.437	1.867	5.407	0.005	0.217	0.200	507.400	0.153	0.004
Other General Industrial Equipment	500	0.342	2.367	4.150	0.005	0.159	0.146	507.085	0.153	0.004
Other General Industrial Equipment	750	0.243	1.491	3.102	0.005	0.100	0.092	507.658	0.153	0.004
Other General Industrial Equipment	1000	0.242	1.045	4.746	0.005	0.112	0.103	506.147	0.153	0.004
Other Material Handling Equipment	50	1.765	6.892	5.802	0.005	0.593	0.546	561.532	0.169	0.005
Other Material Handling Equipment	120	0.514	3.766	4.798	0.005	0.367	0.338	507.792	0.153	0.004
Other Material Handling Equipment	175	0.489	3.418	5.212	0.005	0.280	0.257	506.324	0.153	0.004
Other Material Handling Equipment	250	0.398	1.643	5.196	0.005	0.189	0.174	505.534	0.153	0.004
Other Material Handling Equipment	500	0.323	1.871	4.053	0.005	0.156	0.143	504.263	0.152	0.004

2016

2016		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.159	0.997	3.489	0.005	0.070	0.065	506.147	0.153	0.004
Pavers	25	1.827	6.340	5.579	0.005	0.569	0.523	565.234	0.171	0.005
Pavers	50	1.827	6.340	5.579	0.005	0.569	0.523	565.234	0.171	0.005
Pavers	120	0.650	3.769	5.886	0.005	0.457	0.420	503.780	0.152	0.004
Pavers	175	0.433	3.080	4.874	0.005	0.242	0.223	506.540	0.153	0.004
Pavers	250	0.214	1.036	4.024	0.005	0.104	0.096	508.070	0.153	0.004
Pavers	500	0.180	0.983	2.885	0.005	0.096	0.089	500.936	0.151	0.004
Paving Equipment	25	0.991	4.937	4.985	0.005	0.404	0.371	557.706	0.168	0.005
Paving Equipment	50	0.991	4.937	4.985	0.005	0.404	0.371	557.706	0.168	0.005
Paving Equipment	120	0.623	3.796	5.733	0.005	0.438	0.403	507.910	0.153	0.004
Paving Equipment	175	0.372	3.081	4.322	0.005	0.215	0.197	504.820	0.152	0.004
Paving Equipment	250	0.297	1.331	4.428	0.005	0.148	0.136	506.197	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.720	3.622	4.978	0.008	0.264	0.264	568.299	0.065	0.005
Pressure Washers	25	0.773	2.604	4.803	0.007	0.244	0.244	568.299	0.069	0.005
Pressure Washers	50	0.865	3.729	4.515	0.007	0.269	0.269	568.299	0.078	0.005
Pressure Washers	120	0.504	3.308	4.209	0.006	0.264	0.264	568.299	0.045	0.004
Pressure Washers	175	0.386	2.913	3.726	0.006	0.168	0.168	568.299	0.034	0.004
Pressure Washers	250	0.107	0.986	0.399	0.006	0.009	0.009	568.299	0.009	0.004
Pumps	15	0.809	3.622	5.023	0.008	0.289	0.289	568.299	0.073	0.005
Pumps	25	0.855	2.604	4.803	0.007	0.255	0.255	568.299	0.077	0.005
Pumps	50	1.240	4.640	4.742	0.007	0.335	0.335	568.299	0.111	0.005
Pumps	120	0.610	3.523	4.478	0.006	0.325	0.325	568.299	0.055	0.004
Pumps	175	0.417	2.978	3.789	0.006	0.179	0.179	568.299	0.037	0.004
Pumps	250	0.280	1.099	3.313	0.006	0.094	0.094	568.299	0.025	0.004
Pumps	500	0.254	1.093	2.919	0.005	0.088	0.088	568.299	0.022	0.004
Pumps	750	0.262	1.093	3.028	0.005	0.089	0.089	568.299	0.023	0.004
Pumps	9999	0.335	1.223	4.596	0.005	0.116	0.116	568.300	0.030	0.004
Rollers	15	1.259	5.231	5.236	0.005	0.459	0.423	563.972	0.170	0.005
Rollers	25	1.259	5.231	5.236	0.005	0.459	0.423	563.972	0.170	0.005
Rollers	50	1.259	5.231	5.236	0.005	0.459	0.423	563.972	0.170	0.005
Rollers	120	0.628	3.755	5.806	0.005	0.428	0.393	508.199	0.153	0.004
Rollers	175	0.338	2.993	4.239	0.005	0.197	0.181	505.904	0.153	0.004
Rollers	250	0.308	1.507	4.395	0.005	0.150	0.138	507.694	0.153	0.004
Rollers	500	0.334	2.956	4.456	0.005	0.173	0.159	513.415	0.155	0.004
Rough Terrain Forklifts	50	1.159	4.918	5.099	0.005	0.415	0.382	563.360	0.170	0.005
Rough Terrain Forklifts	120	0.302	3.342	3.840	0.005	0.213	0.196	507.066	0.153	0.004
Rough Terrain Forklifts	175	0.209	2.865	3.209	0.005	0.124	0.115	505.596	0.153	0.004
Rough Terrain Forklifts	250	0.144	1.018	2.468	0.005	0.059	0.054	506.896	0.153	0.004
Rough Terrain Forklifts	500	0.178	0.962	3.542	0.005	0.078	0.072	501.213	0.151	0.004
Rubber Tired Dozers	175	0.968	4.249	9.853	0.005	0.566	0.521	507.774	0.153	0.004
Rubber Tired Dozers	250	0.736	2.729	7.995	0.005	0.395	0.364	509.462	0.154	0.004
Rubber Tired Dozers	500	0.688	5.828	7.710	0.005	0.359	0.330	513.311	0.155	0.004
Rubber Tired Dozers	750	0.523	2.765	7.168	0.005	0.260	0.239	507.260	0.153	0.004
Rubber Tired Dozers	1000	0.631	2.723	6.277	0.005	0.208	0.208	568.300	0.057	0.004
Rubber Tired Loaders	25	2.055	7.791	6.053	0.005	0.660	0.607	561.903	0.170	0.005

2016

2016		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	2.055	7.791	6.053	0.005	0.660	0.607	561.903	0.170	0.005
Rubber Tired Loaders	120	0.803	4.212	6.583	0.005	0.565	0.520	499.594	0.151	0.004
Rubber Tired Loaders	175	0.565	3.562	5.726	0.005	0.319	0.294	505.131	0.152	0.004
Rubber Tired Loaders	250	0.393	1.452	5.115	0.005	0.175	0.161	503.654	0.152	0.004
Rubber Tired Loaders	500	0.391	2.155	4.627	0.005	0.174	0.160	500.431	0.151	0.004
Rubber Tired Loaders	750	0.373	1.703	4.172	0.005	0.164	0.151	491.918	0.148	0.004
Rubber Tired Loaders	1000	0.425	1.464	6.724	0.005	0.198	0.182	504.780	0.152	0.004
Scrapers	120	0.742	4.173	7.143	0.005	0.543	0.500	519.167	0.157	0.004
Scrapers	175	0.688	3.781	7.384	0.005	0.397	0.365	513.436	0.155	0.004
Scrapers	250	0.684	2.840	8.109	0.005	0.367	0.338	502.255	0.152	0.004
Scrapers	500	0.452	3.606	5.757	0.005	0.232	0.214	506.350	0.153	0.004
Scrapers	750	0.340	2.482	4.484	0.005	0.168	0.154	506.638	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	1.306	4.921	4.761	0.007	0.343	0.343	568.299	0.117	0.005
Signal Boards	120	0.618	3.594	4.414	0.006	0.330	0.330	568.299	0.055	0.004
Signal Boards	175	0.430	3.047	3.708	0.006	0.183	0.183	568.299	0.038	0.004
Signal Boards	250	0.354	1.344	3.894	0.007	0.114	0.114	686.695	0.031	0.004
Skid Steer Loaders	25	0.599	3.957	4.268	0.005	0.241	0.221	565.228	0.171	0.005
Skid Steer Loaders	50	0.599	3.957	4.268	0.005	0.241	0.221	565.228	0.171	0.005
Skid Steer Loaders	120	0.273	3.328	3.534	0.005	0.197	0.182	506.297	0.153	0.004
Surfacing Equipment	50	1.045	4.763	5.273	0.006	0.406	0.374	570.815	0.172	0.005
Surfacing Equipment	120	0.522	3.550	5.051	0.005	0.349	0.321	505.087	0.152	0.004
Surfacing Equipment	175	0.458	3.006	5.458	0.005	0.265	0.244	504.558	0.152	0.004
Surfacing Equipment	250	0.307	1.429	5.048	0.005	0.148	0.137	510.706	0.154	0.004
Surfacing Equipment	500	0.217	1.425	3.468	0.005	0.111	0.102	502.471	0.152	0.004
Surfacing Equipment	750	0.162	1.000	2.880	0.005	0.093	0.085	506.967	0.153	0.004
Sweepers/Scrubbers	15	1.781	6.785	5.726	0.005	0.603	0.555	563.269	0.170	0.005
Sweepers/Scrubbers	25	1.781	6.785	5.726	0.005	0.603	0.555	563.269	0.170	0.005
Sweepers/Scrubbers	50	1.781	6.785	5.726	0.005	0.603	0.555	563.269	0.170	0.005
Sweepers/Scrubbers	120	0.783	4.059	6.454	0.005	0.571	0.525	508.357	0.153	0.004
Sweepers/Scrubbers	175	0.746	3.839	7.787	0.005	0.419	0.385	507.292	0.153	0.004
Sweepers/Scrubbers	250	0.521	2.089	6.782	0.005	0.270	0.248	504.080	0.152	0.004
Tractors/Loaders/Backhoes	25	1.250	5.741	5.214	0.005	0.455	0.418	553.400	0.167	0.005
Tractors/Loaders/Backhoes	50	1.250	5.741	5.214	0.005	0.455	0.418	553.400	0.167	0.005
Tractors/Loaders/Backhoes	120	0.538	3.811	5.142	0.005	0.396	0.364	511.346	0.154	0.004
Tractors/Loaders/Backhoes	175	0.389	3.232	4.379	0.005	0.222	0.204	502.629	0.152	0.004
Tractors/Loaders/Backhoes	250	0.311	1.347	4.426	0.005	0.145	0.133	504.401	0.152	0.004
Tractors/Loaders/Backhoes	500	0.284	1.786	3.787	0.005	0.131	0.121	505.270	0.152	0.004
Tractors/Loaders/Backhoes	750	0.300	1.674	4.022	0.005	0.144	0.133	500.955	0.151	0.004
Trenchers	15	1.219	5.285	5.298	0.005	0.475	0.437	565.994	0.171	0.005

2016

2016		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	1.219	5.285	5.298	0.005	0.475	0.437	565.994	0.171	0.005
Trenchers	50	1.219	5.285	5.298	0.005	0.475	0.437	565.994	0.171	0.005
Trenchers	120	0.788	3.988	6.902	0.005	0.541	0.498	509.903	0.154	0.004
Trenchers	175	0.583	3.507	6.503	0.005	0.328	0.302	501.781	0.151	0.004
Trenchers	250	0.487	2.030	6.312	0.005	0.251	0.231	507.145	0.153	0.004
Trenchers	500	0.296	1.966	4.099	0.005	0.150	0.138	504.410	0.152	0.004
Trenchers	750	0.120	0.971	1.630	0.005	0.054	0.050	509.143	0.154	0.004
Welders	15	0.809	3.622	5.023	0.008	0.289	0.289	568.299	0.073	0.005
Welders	25	0.855	2.604	4.803	0.007	0.255	0.255	568.299	0.077	0.005
Welders	50	1.540	5.395	4.936	0.007	0.389	0.389	568.299	0.138	0.005
Welders	120	0.699	3.705	4.692	0.006	0.375	0.375	568.300	0.063	0.004
Welders	175	0.486	3.128	3.973	0.006	0.206	0.206	568.299	0.043	0.004
Welders	250	0.330	1.153	3.481	0.006	0.104	0.104	568.299	0.029	0.004
Welders	500	0.306	1.134	3.032	0.005	0.097	0.097	568.299	0.027	0.004
Water Trucks	175	0.473	3.459	4.647	0.005	0.258	0.237	503.552	0.152	0.004
Water Trucks	250	0.446	1.824	4.826	0.005	0.208	0.191	502.473	0.152	0.004
Water Trucks	500	0.351	1.885	4.048	0.005	0.153	0.141	509.860	0.154	0.004
Water Trucks	750	0.418	2.436	4.642	0.005	0.187	0.172	508.392	0.153	0.004
Water Trucks	1000	0.393	1.707	6.035	0.005	0.175	0.161	505.722	0.153	0.004

2017

2017		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.209	3.169	3.470	0.005	0.079	0.073	554.245	0.170	0.005
Aerial Lifts	25	0.209	3.169	3.470	0.005	0.079	0.073	554.245	0.170	0.005
Aerial Lifts	50	0.209	3.169	3.470	0.005	0.079	0.073	554.245	0.170	0.005
Aerial Lifts	120	0.143	3.184	2.364	0.005	0.083	0.077	498.343	0.153	0.004
Aerial Lifts	500	0.246	0.997	4.658	0.005	0.105	0.096	498.280	0.153	0.004
Aerial Lifts	750	0.239	1.059	2.680	0.005	0.079	0.079	568.299	0.021	0.004
Air Compressors	15	0.786	3.599	4.887	0.008	0.272	0.272	568.299	0.070	0.005
Air Compressors	25	0.830	2.564	4.729	0.007	0.243	0.243	568.299	0.074	0.005
Air Compressors	50	1.481	5.604	4.871	0.007	0.371	0.371	568.299	0.133	0.005
Air Compressors	120	0.671	3.772	4.412	0.006	0.350	0.350	568.299	0.060	0.004
Air Compressors	175	0.477	3.207	3.627	0.006	0.194	0.194	568.299	0.043	0.004
Air Compressors	250	0.339	1.162	3.163	0.006	0.098	0.098	568.299	0.030	0.004
Air Compressors	500	0.321	1.123	2.755	0.005	0.092	0.092	568.299	0.029	0.004
Air Compressors	750	0.323	1.123	2.845	0.005	0.094	0.094	568.299	0.029	0.004
Air Compressors	1000	0.362	1.246	4.583	0.005	0.121	0.121	568.299	0.032	0.004
Bore/Drill Rigs	15	0.804	4.652	5.063	0.006	0.351	0.323	563.917	0.173	0.005
Bore/Drill Rigs	25	0.804	4.652	5.063	0.006	0.351	0.323	563.917	0.173	0.005
Bore/Drill Rigs	50	0.804	4.652	5.063	0.006	0.351	0.323	563.917	0.173	0.005
Bore/Drill Rigs	120	0.298	3.331	3.685	0.005	0.211	0.194	485.322	0.149	0.004
Bore/Drill Rigs	175	0.245	3.001	2.982	0.005	0.131	0.121	503.770	0.154	0.004
Bore/Drill Rigs	250	0.174	1.102	2.522	0.005	0.073	0.067	494.138	0.151	0.004
Bore/Drill Rigs	500	0.166	1.119	2.367	0.005	0.072	0.067	489.461	0.150	0.004
Bore/Drill Rigs	750	0.155	1.137	2.157	0.005	0.072	0.066	505.125	0.155	0.004
Bore/Drill Rigs	1000	0.121	0.971	3.021	0.005	0.060	0.055	498.123	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.145	0.008	0.165	0.165	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.767	2.466	4.567	0.007	0.216	0.216	568.299	0.069	0.005
Concrete/Industrial Saws	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	1.175	4.894	4.652	0.007	0.313	0.313	568.299	0.106	0.005
Concrete/Industrial Saws	120	0.557	3.595	4.086	0.006	0.294	0.294	568.299	0.050	0.004
Concrete/Industrial Saws	175	0.395	3.073	3.316	0.006	0.165	0.165	568.299	0.035	0.004
Cranes	50	2.173	7.408	6.145	0.005	0.620	0.570	546.782	0.168	0.005
Cranes	120	1.097	4.710	9.154	0.005	0.678	0.624	495.753	0.152	0.004
Cranes	175	0.696	3.787	7.360	0.005	0.397	0.366	501.093	0.154	0.004
Cranes	250	0.561	2.385	6.655	0.005	0.297	0.273	499.372	0.153	0.004
Cranes	500	0.410	3.547	5.232	0.005	0.212	0.195	498.439	0.153	0.004
Cranes	750	0.287	1.633	4.158	0.005	0.147	0.135	497.187	0.152	0.004
Cranes	9999	0.152	0.974	2.322	0.005	0.058	0.053	498.280	0.153	0.004
Crawler Tractors	50	2.459	8.006	6.208	0.005	0.712	0.655	544.676	0.167	0.005
Crawler Tractors	120	0.849	4.176	7.141	0.005	0.604	0.555	503.279	0.154	0.004
Crawler Tractors	175	0.614	3.483	6.552	0.005	0.364	0.335	498.125	0.153	0.004
Crawler Tractors	250	0.430	1.742	5.760	0.005	0.220	0.202	499.832	0.153	0.004

2017

2017		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.385	2.635	5.029	0.005	0.195	0.179	502.422	0.154	0.004
Crawler Tractors	750	0.324	1.522	4.361	0.005	0.160	0.147	499.105	0.153	0.004
Crawler Tractors	1000	0.486	2.100	7.532	0.005	0.223	0.206	501.878	0.154	0.004
Crushing/Proc. Equipment	50	1.402	5.623	4.827	0.007	0.354	0.354	568.299	0.126	0.005
Crushing/Proc. Equipment	120	0.647	3.791	4.244	0.006	0.330	0.330	568.299	0.058	0.004
Crushing/Proc. Equipment	175	0.468	3.236	3.450	0.006	0.185	0.185	568.299	0.042	0.004
Crushing/Proc. Equipment	250	0.340	1.160	2.987	0.006	0.094	0.094	568.299	0.030	0.004
Crushing/Proc. Equipment	500	0.324	1.118	2.602	0.005	0.088	0.088	568.299	0.029	0.004
Crushing/Proc. Equipment	750	0.323	1.114	2.664	0.005	0.088	0.088	568.299	0.029	0.004
Crushing/Proc. Equipment	9999	0.378	1.231	4.423	0.005	0.117	0.117	568.299	0.034	0.004
Dumpers/Tenders	25	0.687	2.340	4.362	0.007	0.171	0.171	568.299	0.062	0.005
Excavators	25	0.771	4.889	4.678	0.005	0.332	0.305	554.910	0.170	0.005
Excavators	50	0.771	4.889	4.678	0.005	0.332	0.305	554.910	0.170	0.005
Excavators	120	0.440	3.639	4.380	0.005	0.310	0.286	493.409	0.151	0.004
Excavators	175	0.334	3.151	3.700	0.005	0.182	0.168	498.522	0.153	0.004
Excavators	250	0.247	1.249	3.319	0.005	0.105	0.097	498.436	0.153	0.004
Excavators	500	0.200	1.199	2.507	0.005	0.081	0.075	496.810	0.152	0.004
Excavators	750	0.210	1.228	2.719	0.005	0.090	0.083	494.550	0.152	0.004
Forklifts	50	1.703	6.673	5.450	0.005	0.536	0.493	554.677	0.170	0.005
Forklifts	120	0.672	3.979	5.818	0.005	0.480	0.442	497.725	0.153	0.004
Forklifts	175	0.508	3.452	5.362	0.005	0.294	0.270	498.334	0.153	0.004
Forklifts	250	0.496	2.092	5.751	0.005	0.252	0.232	499.621	0.153	0.004
Forklifts	500	0.338	2.508	3.780	0.005	0.161	0.148	499.927	0.153	0.004
Generator Sets	15	0.699	3.599	4.847	0.008	0.250	0.250	568.299	0.063	0.005
Generator Sets	25	0.757	2.564	4.729	0.007	0.233	0.233	568.299	0.068	0.005
Generator Sets	50	1.017	4.292	4.522	0.007	0.285	0.285	568.299	0.091	0.005
Generator Sets	120	0.520	3.442	4.072	0.006	0.274	0.274	568.299	0.046	0.004
Generator Sets	175	0.356	2.931	3.347	0.006	0.151	0.151	568.299	0.032	0.004
Generator Sets	250	0.245	1.063	2.910	0.006	0.081	0.081	568.299	0.022	0.004
Generator Sets	500	0.224	1.048	2.579	0.005	0.076	0.076	568.299	0.020	0.004
Generator Sets	750	0.230	1.048	2.660	0.005	0.077	0.077	568.299	0.020	0.004
Generator Sets	9999	0.301	1.161	4.293	0.005	0.104	0.104	568.299	0.027	0.004
Graders	50	3.007	8.978	6.423	0.005	0.843	0.776	520.075	0.159	0.005
Graders	120	1.164	4.810	9.191	0.005	0.759	0.698	495.919	0.152	0.004
Graders	175	0.757	3.845	7.663	0.005	0.430	0.396	506.748	0.155	0.004
Graders	250	0.396	1.449	5.525	0.005	0.180	0.166	503.802	0.154	0.004
Graders	500	0.334	1.707	3.557	0.005	0.139	0.128	498.600	0.153	0.004
Graders	750	0.372	1.323	2.835	0.005	0.100	0.100	568.299	0.033	0.004
Off-Highway Tractors	120	0.586	3.901	5.317	0.005	0.423	0.389	501.245	0.154	0.004
Off-Highway Tractors	175	0.356	3.259	4.026	0.005	0.205	0.189	499.245	0.153	0.004
Off-Highway Tractors	250	0.328	1.403	4.382	0.005	0.151	0.139	496.498	0.152	0.004
Off-Highway Tractors	750	0.248	1.145	3.324	0.005	0.112	0.103	497.618	0.153	0.004
Off-Highway Tractors	1000	0.118	0.985	2.340	0.005	0.059	0.054	498.280	0.153	0.004
Off-Highway Trucks	175	0.441	3.436	4.236	0.005	0.233	0.215	495.924	0.152	0.004
Off-Highway Trucks	250	0.417	1.753	4.368	0.005	0.189	0.174	494.794	0.152	0.004

2017

2017		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.325	1.748	3.668	0.005	0.136	0.125	501.437	0.154	0.004
Off-Highway Trucks	750	0.394	2.356	4.257	0.005	0.170	0.157	500.199	0.153	0.004
Off-Highway Trucks	1000	0.362	1.546	5.653	0.005	0.159	0.146	497.115	0.152	0.004
Other Construction Equipment	15	1.244	5.655	5.421	0.005	0.477	0.439	558.001	0.171	0.005
Other Construction Equipment	25	1.244	5.655	5.421	0.005	0.477	0.439	558.001	0.171	0.005
Other Construction Equipment	50	1.244	5.655	5.421	0.005	0.477	0.439	558.001	0.171	0.005
Other Construction Equipment	120	0.676	3.885	6.070	0.005	0.475	0.437	497.383	0.152	0.004
Other Construction Equipment	175	0.500	3.338	5.494	0.005	0.290	0.267	495.931	0.152	0.004
Other Construction Equipment	500	0.290	2.121	3.777	0.005	0.138	0.127	501.130	0.154	0.004
Other General Industrial Equipment	15	1.349	6.179	5.277	0.005	0.479	0.441	555.408	0.170	0.005
Other General Industrial Equipment	25	1.349	6.179	5.277	0.005	0.479	0.441	555.408	0.170	0.005
Other General Industrial Equipment	50	1.349	6.179	5.277	0.005	0.479	0.441	555.408	0.170	0.005
Other General Industrial Equipment	120	0.660	3.998	5.721	0.005	0.471	0.433	496.111	0.152	0.004
Other General Industrial Equipment	175	0.437	3.399	4.534	0.005	0.250	0.230	498.064	0.153	0.004
Other General Industrial Equipment	250	0.411	1.780	5.022	0.005	0.199	0.183	499.513	0.153	0.004
Other General Industrial Equipment	500	0.334	2.365	3.949	0.005	0.152	0.140	499.203	0.153	0.004
Other General Industrial Equipment	750	0.219	1.480	2.592	0.005	0.086	0.079	499.767	0.153	0.004
Other General Industrial Equipment	1000	0.251	1.057	4.787	0.005	0.115	0.105	498.280	0.153	0.004
Other Material Handling Equipment	50	1.615	6.635	5.574	0.005	0.546	0.502	552.804	0.169	0.005
Other Material Handling Equipment	120	0.488	3.758	4.561	0.005	0.341	0.314	499.899	0.153	0.004
Other Material Handling Equipment	175	0.427	3.351	4.488	0.005	0.238	0.219	498.454	0.153	0.004
Other Material Handling Equipment	250	0.359	1.512	4.705	0.005	0.163	0.150	497.676	0.153	0.004
Other Material Handling Equipment	500	0.325	1.863	3.971	0.005	0.154	0.141	496.425	0.152	0.004

2017

2017		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.169	1.010	3.520	0.005	0.072	0.067	498.280	0.153	0.004
Pavers	25	1.731	6.199	5.437	0.005	0.540	0.497	556.453	0.171	0.005
Pavers	50	1.731	6.199	5.437	0.005	0.540	0.497	556.453	0.171	0.005
Pavers	120	0.625	3.759	5.692	0.005	0.437	0.402	495.925	0.152	0.004
Pavers	175	0.389	3.063	4.353	0.005	0.214	0.197	498.967	0.153	0.004
Pavers	250	0.208	1.037	3.809	0.005	0.100	0.092	499.562	0.153	0.004
Pavers	500	0.168	0.979	2.487	0.005	0.087	0.081	491.784	0.151	0.004
Paving Equipment	25	0.926	4.804	4.728	0.005	0.359	0.331	548.648	0.168	0.005
Paving Equipment	50	0.926	4.804	4.728	0.005	0.359	0.331	548.648	0.168	0.005
Paving Equipment	120	0.563	3.741	5.207	0.005	0.391	0.359	500.165	0.153	0.004
Paving Equipment	175	0.343	3.073	3.896	0.005	0.195	0.179	497.148	0.152	0.004
Paving Equipment	250	0.288	1.333	4.121	0.005	0.142	0.130	498.732	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.699	3.599	4.847	0.008	0.250	0.250	568.299	0.063	0.005
Pressure Washers	25	0.757	2.564	4.729	0.007	0.233	0.233	568.299	0.068	0.005
Pressure Washers	50	0.760	3.632	4.355	0.007	0.240	0.240	568.299	0.068	0.005
Pressure Washers	120	0.444	3.283	3.888	0.006	0.233	0.233	568.300	0.040	0.004
Pressure Washers	175	0.346	2.910	3.349	0.006	0.149	0.149	568.299	0.031	0.004
Pressure Washers	250	0.102	0.986	0.317	0.006	0.009	0.009	568.299	0.009	0.004
Pumps	15	0.786	3.599	4.887	0.008	0.272	0.272	568.299	0.070	0.005
Pumps	25	0.830	2.564	4.729	0.007	0.243	0.243	568.299	0.074	0.005
Pumps	50	1.104	4.514	4.578	0.007	0.301	0.301	568.299	0.099	0.005
Pumps	120	0.546	3.495	4.134	0.006	0.287	0.287	568.299	0.049	0.004
Pumps	175	0.376	2.975	3.400	0.006	0.159	0.159	568.299	0.033	0.004
Pumps	250	0.260	1.080	2.958	0.006	0.084	0.084	568.299	0.023	0.004
Pumps	500	0.239	1.062	2.613	0.005	0.079	0.079	568.299	0.021	0.004
Pumps	750	0.244	1.062	2.695	0.005	0.080	0.080	568.299	0.022	0.004
Pumps	9999	0.313	1.177	4.343	0.005	0.106	0.106	568.299	0.028	0.004
Rollers	15	1.198	5.147	5.098	0.005	0.436	0.401	555.020	0.170	0.005
Rollers	25	1.198	5.147	5.098	0.005	0.436	0.401	555.020	0.170	0.005
Rollers	50	1.198	5.147	5.098	0.005	0.436	0.401	555.020	0.170	0.005
Rollers	120	0.580	3.713	5.411	0.005	0.392	0.361	500.153	0.153	0.004
Rollers	175	0.314	2.981	3.874	0.005	0.180	0.166	497.909	0.153	0.004
Rollers	250	0.274	1.408	3.921	0.005	0.129	0.119	499.702	0.153	0.004
Rollers	500	0.297	2.685	3.840	0.005	0.150	0.138	505.832	0.155	0.004
Rough Terrain Forklifts	50	1.108	4.833	4.903	0.005	0.382	0.352	554.623	0.170	0.005
Rough Terrain Forklifts	120	0.271	3.318	3.418	0.005	0.182	0.167	499.168	0.153	0.004
Rough Terrain Forklifts	175	0.194	2.866	2.902	0.005	0.112	0.103	497.777	0.153	0.004
Rough Terrain Forklifts	250	0.148	1.024	2.474	0.005	0.059	0.054	499.001	0.153	0.004
Rough Terrain Forklifts	500	0.182	0.966	3.568	0.005	0.079	0.073	493.336	0.151	0.004
Rubber Tired Dozers	175	0.903	4.149	9.129	0.005	0.525	0.483	499.410	0.153	0.004
Rubber Tired Dozers	250	0.707	2.655	7.671	0.005	0.376	0.345	501.548	0.154	0.004
Rubber Tired Dozers	500	0.662	5.526	7.333	0.005	0.341	0.313	505.849	0.155	0.004
Rubber Tired Dozers	750	0.526	2.767	7.172	0.005	0.260	0.239	499.367	0.153	0.004
Rubber Tired Dozers	1000	0.602	2.560	6.013	0.005	0.195	0.195	568.299	0.054	0.004
Rubber Tired Loaders	25	1.957	7.660	5.954	0.005	0.633	0.582	553.583	0.170	0.005

2017

2017		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	1.957	7.660	5.954	0.005	0.633	0.582	553.583	0.170	0.005
Rubber Tired Loaders	120	0.757	4.171	6.236	0.005	0.530	0.487	491.853	0.151	0.004
Rubber Tired Loaders	175	0.522	3.518	5.195	0.005	0.290	0.266	497.353	0.152	0.004
Rubber Tired Loaders	250	0.373	1.417	4.755	0.005	0.162	0.149	495.950	0.152	0.004
Rubber Tired Loaders	500	0.369	2.060	4.253	0.005	0.160	0.148	492.276	0.151	0.004
Rubber Tired Loaders	750	0.367	1.700	4.050	0.005	0.160	0.147	484.366	0.148	0.004
Rubber Tired Loaders	1000	0.415	1.456	6.553	0.005	0.192	0.177	496.897	0.152	0.004
Scrapers	120	0.754	4.207	7.179	0.005	0.551	0.507	511.112	0.157	0.004
Scrapers	175	0.629	3.705	6.671	0.005	0.359	0.331	505.331	0.155	0.004
Scrapers	250	0.627	2.647	7.399	0.005	0.333	0.306	494.523	0.152	0.004
Scrapers	500	0.425	3.337	5.340	0.005	0.214	0.197	498.457	0.153	0.004
Scrapers	750	0.325	2.295	4.216	0.005	0.156	0.143	498.693	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	1.158	4.785	4.590	0.007	0.306	0.306	568.299	0.104	0.005
Signal Boards	120	0.553	3.566	4.059	0.006	0.290	0.290	568.299	0.049	0.004
Signal Boards	175	0.388	3.044	3.305	0.006	0.161	0.161	568.299	0.035	0.004
Signal Boards	250	0.330	1.323	3.452	0.007	0.101	0.101	686.695	0.029	0.004
Skid Steer Loaders	25	0.568	3.919	4.113	0.005	0.218	0.200	556.714	0.171	0.005
Skid Steer Loaders	50	0.568	3.919	4.113	0.005	0.218	0.200	556.714	0.171	0.005
Skid Steer Loaders	120	0.255	3.319	3.286	0.005	0.177	0.163	498.326	0.153	0.004
Surfacing Equipment	50	0.928	4.603	5.064	0.006	0.365	0.336	564.477	0.173	0.005
Surfacing Equipment	120	0.508	3.556	4.942	0.005	0.337	0.310	498.360	0.153	0.004
Surfacing Equipment	175	0.455	3.003	5.393	0.005	0.264	0.243	496.274	0.152	0.004
Surfacing Equipment	250	0.274	1.343	4.468	0.005	0.129	0.119	501.847	0.154	0.004
Surfacing Equipment	500	0.204	1.396	3.106	0.005	0.103	0.094	496.885	0.152	0.004
Surfacing Equipment	750	0.160	1.003	2.770	0.005	0.090	0.083	499.712	0.153	0.004
Sweepers/Scrubbers	15	1.712	6.719	5.626	0.005	0.582	0.535	554.513	0.170	0.005
Sweepers/Scrubbers	25	1.712	6.719	5.626	0.005	0.582	0.535	554.513	0.170	0.005
Sweepers/Scrubbers	50	1.712	6.719	5.626	0.005	0.582	0.535	554.513	0.170	0.005
Sweepers/Scrubbers	120	0.721	4.010	6.020	0.005	0.520	0.479	500.456	0.153	0.004
Sweepers/Scrubbers	175	0.711	3.784	7.424	0.005	0.395	0.363	499.407	0.153	0.004
Sweepers/Scrubbers	250	0.513	2.090	6.509	0.005	0.264	0.243	496.244	0.152	0.004
Tractors/Loaders/Backhoes	25	1.194	5.689	5.110	0.005	0.433	0.399	544.929	0.167	0.005
Tractors/Loaders/Backhoes	50	1.194	5.689	5.110	0.005	0.433	0.399	544.929	0.167	0.005
Tractors/Loaders/Backhoes	120	0.501	3.782	4.809	0.005	0.362	0.333	502.795	0.154	0.004
Tractors/Loaders/Backhoes	175	0.354	3.200	3.879	0.005	0.197	0.182	493.912	0.151	0.004
Tractors/Loaders/Backhoes	250	0.291	1.304	4.041	0.005	0.132	0.121	496.845	0.152	0.004
Tractors/Loaders/Backhoes	500	0.272	1.739	3.490	0.005	0.122	0.112	497.113	0.152	0.004
Tractors/Loaders/Backhoes	750	0.296	1.646	3.862	0.005	0.139	0.128	492.953	0.151	0.004
Trenchers	15	1.149	5.197	5.166	0.005	0.449	0.413	557.460	0.171	0.005

2017

2017		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	1.149	5.197	5.166	0.005	0.449	0.413	557.460	0.171	0.005
Trenchers	50	1.149	5.197	5.166	0.005	0.449	0.413	557.460	0.171	0.005
Trenchers	120	0.762	3.968	6.679	0.005	0.523	0.481	501.992	0.154	0.004
Trenchers	175	0.536	3.434	5.927	0.005	0.300	0.276	493.764	0.151	0.004
Trenchers	250	0.486	2.037	6.194	0.005	0.250	0.230	499.228	0.153	0.004
Trenchers	500	0.265	1.966	3.442	0.005	0.129	0.119	497.020	0.152	0.004
Trenchers	750	0.114	0.972	1.430	0.005	0.046	0.042	501.183	0.154	0.004
Welders	15	0.786	3.599	4.887	0.008	0.272	0.272	568.299	0.070	0.005
Welders	25	0.830	2.564	4.729	0.007	0.243	0.243	568.299	0.074	0.005
Welders	50	1.372	5.239	4.768	0.007	0.350	0.350	568.299	0.123	0.005
Welders	120	0.630	3.675	4.328	0.006	0.332	0.332	568.299	0.056	0.004
Welders	175	0.442	3.124	3.562	0.006	0.183	0.183	568.299	0.039	0.004
Welders	250	0.310	1.133	3.105	0.006	0.094	0.094	568.299	0.028	0.004
Welders	500	0.290	1.102	2.713	0.005	0.088	0.088	568.299	0.026	0.004
Water Trucks	175	0.441	3.436	4.236	0.005	0.233	0.215	495.924	0.152	0.004
Water Trucks	250	0.417	1.753	4.368	0.005	0.189	0.174	494.794	0.152	0.004
Water Trucks	500	0.325	1.748	3.668	0.005	0.136	0.125	501.437	0.154	0.004
Water Trucks	750	0.394	2.356	4.257	0.005	0.170	0.157	500.199	0.153	0.004
Water Trucks	1000	0.362	1.546	5.653	0.005	0.159	0.146	497.115	0.152	0.004

2018

2018		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.182	3.116	3.210	0.005	0.054	0.050	545.494	0.170	0.005
Aerial Lifts	25	0.182	3.116	3.210	0.005	0.054	0.050	545.494	0.170	0.005
Aerial Lifts	50	0.182	3.116	3.210	0.005	0.054	0.050	545.494	0.170	0.005
Aerial Lifts	120	0.122	3.167	2.064	0.005	0.057	0.053	490.474	0.153	0.004
Aerial Lifts	500	0.062	0.937	0.634	0.005	0.009	0.008	490.412	0.153	0.004
Aerial Lifts	750	0.225	1.037	2.385	0.005	0.071	0.071	568.299	0.020	0.004
Air Compressors	15	0.766	3.580	4.762	0.008	0.256	0.256	568.299	0.069	0.005
Air Compressors	25	0.807	2.531	4.661	0.007	0.232	0.232	568.300	0.072	0.005
Air Compressors	50	1.300	5.439	4.707	0.007	0.329	0.329	568.299	0.117	0.005
Air Compressors	120	0.603	3.744	4.050	0.006	0.304	0.304	568.300	0.054	0.004
Air Compressors	175	0.435	3.205	3.228	0.006	0.170	0.170	568.299	0.039	0.004
Air Compressors	250	0.321	1.146	2.797	0.006	0.087	0.087	568.300	0.029	0.004
Air Compressors	500	0.307	1.101	2.465	0.005	0.083	0.083	568.299	0.027	0.004
Air Compressors	750	0.309	1.101	2.533	0.005	0.084	0.084	568.299	0.027	0.004
Air Compressors	1000	0.343	1.210	4.325	0.005	0.111	0.111	568.299	0.030	0.004
Bore/Drill Rigs	15	0.767	4.569	4.869	0.006	0.329	0.303	554.204	0.173	0.005
Bore/Drill Rigs	25	0.767	4.569	4.869	0.006	0.329	0.303	554.204	0.173	0.005
Bore/Drill Rigs	50	0.767	4.569	4.869	0.006	0.329	0.303	554.204	0.173	0.005
Bore/Drill Rigs	120	0.269	3.323	3.400	0.005	0.184	0.170	479.672	0.149	0.004
Bore/Drill Rigs	175	0.203	2.961	2.357	0.005	0.103	0.095	495.073	0.154	0.004
Bore/Drill Rigs	250	0.155	1.073	2.153	0.005	0.061	0.056	484.561	0.151	0.004
Bore/Drill Rigs	500	0.135	1.032	1.746	0.005	0.052	0.048	485.689	0.151	0.004
Bore/Drill Rigs	750	0.126	1.006	1.679	0.005	0.055	0.050	489.730	0.153	0.004
Bore/Drill Rigs	1000	0.125	0.978	3.032	0.005	0.060	0.056	490.243	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.163	0.163	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.749	2.440	4.504	0.007	0.205	0.205	568.299	0.067	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	1.032	4.766	4.492	0.007	0.277	0.277	568.299	0.093	0.005
Concrete/Industrial Saws	120	0.498	3.571	3.754	0.006	0.256	0.256	568.299	0.044	0.004
Concrete/Industrial Saws	175	0.359	3.072	2.945	0.006	0.145	0.145	568.299	0.032	0.004
Cranes	50	2.072	7.247	6.004	0.005	0.624	0.574	538.122	0.168	0.005
Cranes	120	0.932	4.452	7.931	0.005	0.583	0.536	488.117	0.152	0.004
Cranes	175	0.621	3.666	6.557	0.005	0.351	0.323	493.045	0.154	0.004
Cranes	250	0.483	2.134	5.773	0.005	0.250	0.230	491.407	0.153	0.004
Cranes	500	0.370	3.187	4.634	0.005	0.187	0.172	490.891	0.153	0.004
Cranes	750	0.271	1.613	3.769	0.005	0.137	0.126	489.054	0.152	0.004
Cranes	9999	0.162	0.983	2.335	0.005	0.059	0.054	490.412	0.153	0.004
Crawler Tractors	50	2.446	8.009	6.163	0.005	0.704	0.648	536.141	0.167	0.005
Crawler Tractors	120	0.798	4.123	6.723	0.005	0.566	0.521	494.922	0.154	0.004
Crawler Tractors	175	0.555	3.421	5.859	0.005	0.326	0.299	490.000	0.153	0.004
Crawler Tractors	250	0.398	1.654	5.290	0.005	0.200	0.184	491.606	0.153	0.004

2018

2018		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.344	2.382	4.373	0.005	0.169	0.156	493.510	0.154	0.004
Crawler Tractors	750	0.296	1.445	3.834	0.005	0.142	0.130	491.266	0.153	0.004
Crawler Tractors	1000	0.489	2.105	7.564	0.005	0.225	0.207	494.105	0.154	0.004
Crushing/Proc. Equipment	50	1.225	5.461	4.657	0.007	0.310	0.310	568.299	0.110	0.005
Crushing/Proc. Equipment	120	0.580	3.763	3.881	0.006	0.284	0.284	568.299	0.052	0.004
Crushing/Proc. Equipment	175	0.427	3.234	3.049	0.006	0.161	0.161	568.299	0.038	0.004
Crushing/Proc. Equipment	250	0.322	1.146	2.622	0.006	0.083	0.083	568.299	0.029	0.004
Crushing/Proc. Equipment	500	0.309	1.099	2.312	0.005	0.079	0.079	568.299	0.027	0.004
Crushing/Proc. Equipment	750	0.308	1.097	2.358	0.005	0.079	0.079	568.299	0.027	0.004
Crushing/Proc. Equipment	9999	0.361	1.198	4.168	0.005	0.107	0.107	568.299	0.032	0.004
Dumpers/Tenders	25	0.686	2.339	4.350	0.007	0.169	0.169	568.299	0.061	0.005
Excavators	25	0.687	4.700	4.395	0.005	0.284	0.261	545.347	0.170	0.005
Excavators	50	0.687	4.700	4.395	0.005	0.284	0.261	545.347	0.170	0.005
Excavators	120	0.368	3.562	3.764	0.005	0.251	0.230	486.056	0.151	0.004
Excavators	175	0.273	3.093	2.924	0.005	0.142	0.130	490.673	0.153	0.004
Excavators	250	0.202	1.152	2.594	0.005	0.079	0.073	490.257	0.153	0.004
Excavators	500	0.175	1.140	2.050	0.005	0.066	0.061	489.103	0.152	0.004
Excavators	750	0.189	1.224	2.266	0.005	0.076	0.070	487.653	0.152	0.004
Forklifts	50	1.393	6.103	5.052	0.005	0.447	0.411	545.919	0.170	0.005
Forklifts	120	0.567	3.858	5.015	0.005	0.400	0.368	489.866	0.153	0.004
Forklifts	175	0.427	3.336	4.430	0.005	0.241	0.222	490.466	0.153	0.004
Forklifts	250	0.425	1.835	4.938	0.005	0.207	0.191	491.733	0.153	0.004
Forklifts	500	0.282	1.878	3.019	0.005	0.125	0.115	492.034	0.153	0.004
Generator Sets	15	0.679	3.580	4.728	0.008	0.237	0.237	568.299	0.061	0.005
Generator Sets	25	0.744	2.531	4.661	0.007	0.224	0.224	568.299	0.067	0.005
Generator Sets	50	0.895	4.182	4.366	0.007	0.253	0.253	568.299	0.080	0.005
Generator Sets	120	0.461	3.418	3.752	0.006	0.239	0.239	568.299	0.041	0.004
Generator Sets	175	0.319	2.930	2.989	0.006	0.133	0.133	568.299	0.028	0.004
Generator Sets	250	0.226	1.048	2.582	0.006	0.072	0.072	568.299	0.020	0.004
Generator Sets	500	0.211	1.028	2.310	0.005	0.069	0.069	568.299	0.019	0.004
Generator Sets	750	0.215	1.028	2.370	0.005	0.070	0.070	568.299	0.019	0.004
Generator Sets	9999	0.280	1.128	4.058	0.005	0.095	0.095	568.299	0.025	0.004
Graders	50	2.809	8.626	6.180	0.005	0.790	0.726	511.910	0.159	0.005
Graders	120	1.075	4.697	8.520	0.005	0.697	0.641	487.698	0.152	0.004
Graders	175	0.661	3.710	6.605	0.005	0.371	0.342	497.377	0.155	0.004
Graders	250	0.384	1.416	5.271	0.005	0.171	0.158	495.431	0.154	0.004
Graders	500	0.324	1.564	3.345	0.005	0.130	0.119	490.576	0.153	0.004
Graders	750	0.353	1.286	2.543	0.005	0.090	0.090	568.299	0.031	0.004
Off-Highway Tractors	120	0.522	3.832	4.787	0.005	0.373	0.343	492.871	0.153	0.004
Off-Highway Tractors	175	0.315	3.219	3.498	0.005	0.176	0.162	491.313	0.153	0.004
Off-Highway Tractors	250	0.272	1.295	3.454	0.005	0.119	0.109	488.677	0.152	0.004
Off-Highway Tractors	750	0.196	1.119	2.166	0.005	0.081	0.074	490.182	0.153	0.004
Off-Highway Tractors	1000	0.129	0.998	2.359	0.005	0.060	0.055	490.412	0.153	0.004
Off-Highway Trucks	175	0.383	3.383	3.543	0.005	0.192	0.177	488.044	0.152	0.004
Off-Highway Trucks	250	0.341	1.543	3.451	0.005	0.141	0.130	487.635	0.152	0.004

2018

2018		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.287	1.560	3.090	0.005	0.113	0.104	493.506	0.154	0.004
Off-Highway Trucks	750	0.348	2.176	3.691	0.005	0.143	0.132	492.114	0.153	0.004
Off-Highway Trucks	1000	0.297	1.357	4.858	0.005	0.127	0.116	487.790	0.152	0.004
Other Construction Equipment	15	1.169	5.541	5.272	0.005	0.449	0.413	548.939	0.171	0.005
Other Construction Equipment	25	1.169	5.541	5.272	0.005	0.449	0.413	548.939	0.171	0.005
Other Construction Equipment	50	1.169	5.541	5.272	0.005	0.449	0.413	548.939	0.171	0.005
Other Construction Equipment	120	0.598	3.799	5.441	0.005	0.417	0.383	490.018	0.153	0.004
Other Construction Equipment	175	0.436	3.263	4.755	0.005	0.250	0.230	487.986	0.152	0.004
Other Construction Equipment	500	0.251	1.813	3.167	0.005	0.115	0.105	493.360	0.154	0.004
Other General Industrial Equipment	15	1.154	5.827	4.979	0.005	0.414	0.381	546.639	0.170	0.005
Other General Industrial Equipment	25	1.154	5.827	4.979	0.005	0.414	0.381	546.639	0.170	0.005
Other General Industrial Equipment	50	1.154	5.827	4.979	0.005	0.414	0.381	546.639	0.170	0.005
Other General Industrial Equipment	120	0.557	3.876	4.955	0.005	0.392	0.360	488.278	0.152	0.004
Other General Industrial Equipment	175	0.318	3.237	3.237	0.005	0.172	0.158	490.200	0.153	0.004
Other General Industrial Equipment	250	0.303	1.455	3.648	0.005	0.135	0.124	491.626	0.153	0.004
Other General Industrial Equipment	500	0.254	1.583	2.907	0.005	0.104	0.095	491.321	0.153	0.004
Other General Industrial Equipment	750	0.217	1.483	2.419	0.005	0.083	0.076	491.876	0.153	0.004
Other General Industrial Equipment	1000	0.257	1.066	4.810	0.005	0.116	0.107	490.412	0.153	0.004
Other Material Handling Equipment	50	1.289	6.061	5.182	0.005	0.457	0.420	544.075	0.169	0.005
Other Material Handling Equipment	120	0.407	3.675	3.944	0.005	0.271	0.249	492.006	0.153	0.004
Other Material Handling Equipment	175	0.327	3.218	3.332	0.005	0.173	0.159	490.583	0.153	0.004
Other Material Handling Equipment	250	0.316	1.388	4.092	0.005	0.135	0.124	489.817	0.153	0.004
Other Material Handling Equipment	500	0.296	1.633	3.524	0.005	0.134	0.123	488.587	0.152	0.004

2018

2018		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.180	1.023	3.551	0.005	0.074	0.068	490.412	0.153	0.004
Pavers	25	1.539	5.849	5.121	0.005	0.478	0.440	547.079	0.170	0.005
Pavers	50	1.539	5.849	5.121	0.005	0.478	0.440	547.079	0.170	0.005
Pavers	120	0.536	3.660	5.019	0.005	0.375	0.345	488.181	0.152	0.004
Pavers	175	0.339	3.039	3.747	0.005	0.183	0.168	491.322	0.153	0.004
Pavers	250	0.198	1.034	3.474	0.005	0.092	0.085	491.543	0.153	0.004
Pavers	500	0.164	0.981	2.320	0.005	0.083	0.076	484.277	0.151	0.004
Paving Equipment	25	0.737	4.416	4.312	0.005	0.286	0.263	540.612	0.168	0.005
Paving Equipment	50	0.737	4.416	4.312	0.005	0.286	0.263	540.612	0.168	0.005
Paving Equipment	120	0.449	3.607	4.270	0.005	0.302	0.278	492.118	0.153	0.004
Paving Equipment	175	0.284	3.026	3.172	0.005	0.155	0.143	489.202	0.152	0.004
Paving Equipment	250	0.258	1.281	3.587	0.005	0.123	0.113	490.683	0.153	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.300	0.059	0.005
Pressure Washers	15	0.679	3.580	4.728	0.008	0.237	0.237	568.299	0.061	0.005
Pressure Washers	25	0.744	2.531	4.661	0.007	0.224	0.224	568.299	0.067	0.005
Pressure Washers	50	0.661	3.542	4.202	0.007	0.212	0.212	568.299	0.059	0.005
Pressure Washers	120	0.388	3.260	3.584	0.006	0.203	0.203	568.299	0.035	0.004
Pressure Washers	175	0.309	2.908	2.989	0.006	0.132	0.132	568.299	0.027	0.004
Pressure Washers	250	0.099	0.986	0.277	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.766	3.580	4.762	0.008	0.256	0.256	568.299	0.069	0.005
Pumps	25	0.807	2.531	4.661	0.007	0.232	0.232	568.299	0.072	0.005
Pumps	50	0.973	4.397	4.422	0.007	0.267	0.267	568.299	0.087	0.005
Pumps	120	0.485	3.471	3.808	0.006	0.252	0.252	568.299	0.043	0.004
Pumps	175	0.338	2.974	3.035	0.006	0.140	0.140	568.299	0.030	0.004
Pumps	250	0.242	1.065	2.624	0.006	0.075	0.075	568.299	0.021	0.004
Pumps	500	0.226	1.041	2.340	0.005	0.071	0.071	568.299	0.020	0.004
Pumps	750	0.230	1.041	2.401	0.005	0.072	0.072	568.299	0.020	0.004
Pumps	9999	0.293	1.144	4.105	0.005	0.098	0.098	568.299	0.026	0.004
Rollers	15	1.064	4.923	4.842	0.005	0.387	0.356	546.291	0.170	0.005
Rollers	25	1.064	4.923	4.842	0.005	0.387	0.356	546.291	0.170	0.005
Rollers	50	1.064	4.923	4.842	0.005	0.387	0.356	546.291	0.170	0.005
Rollers	120	0.481	3.610	4.650	0.005	0.320	0.294	492.212	0.153	0.004
Rollers	175	0.265	2.949	3.181	0.005	0.147	0.136	490.181	0.153	0.004
Rollers	250	0.211	1.243	2.995	0.005	0.094	0.086	491.664	0.153	0.004
Rollers	500	0.245	2.231	3.098	0.005	0.119	0.110	497.996	0.155	0.004
Rough Terrain Forklifts	50	1.070	4.768	4.735	0.005	0.359	0.330	545.869	0.170	0.005
Rough Terrain Forklifts	120	0.222	3.270	2.845	0.005	0.136	0.125	491.211	0.153	0.004
Rough Terrain Forklifts	175	0.164	2.842	2.342	0.005	0.088	0.081	489.987	0.153	0.004
Rough Terrain Forklifts	250	0.152	1.029	2.487	0.005	0.060	0.055	491.100	0.153	0.004
Rough Terrain Forklifts	500	0.145	0.958	2.701	0.005	0.060	0.055	485.954	0.151	0.004
Rubber Tired Dozers	175	0.802	3.990	8.021	0.005	0.461	0.424	491.492	0.153	0.004
Rubber Tired Dozers	250	0.669	2.512	7.208	0.005	0.350	0.322	493.634	0.154	0.004
Rubber Tired Dozers	500	0.598	4.982	6.502	0.005	0.300	0.276	498.186	0.155	0.004
Rubber Tired Dozers	750	0.506	2.759	6.727	0.005	0.248	0.228	491.473	0.153	0.004
Rubber Tired Dozers	1000	0.574	2.413	5.764	0.005	0.183	0.183	568.299	0.051	0.004
Rubber Tired Loaders	25	1.765	7.299	5.679	0.005	0.576	0.530	545.053	0.170	0.005

2018

2018		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	1.765	7.299	5.679	0.005	0.576	0.530	545.053	0.170	0.005
Rubber Tired Loaders	120	0.655	4.047	5.470	0.005	0.452	0.416	484.093	0.151	0.004
Rubber Tired Loaders	175	0.448	3.423	4.368	0.005	0.242	0.223	489.511	0.152	0.004
Rubber Tired Loaders	250	0.334	1.346	4.131	0.005	0.140	0.129	487.902	0.152	0.004
Rubber Tired Loaders	500	0.334	1.868	3.726	0.005	0.140	0.128	484.571	0.151	0.004
Rubber Tired Loaders	750	0.331	1.555	3.544	0.005	0.140	0.129	476.566	0.148	0.004
Rubber Tired Loaders	1000	0.336	1.213	5.673	0.005	0.154	0.142	488.404	0.152	0.004
Scrapers	120	0.740	4.204	7.036	0.005	0.543	0.499	502.829	0.157	0.004
Scrapers	175	0.539	3.568	5.641	0.005	0.303	0.279	497.340	0.155	0.004
Scrapers	250	0.557	2.407	6.563	0.005	0.290	0.267	486.991	0.152	0.004
Scrapers	500	0.369	2.828	4.568	0.005	0.180	0.166	490.773	0.153	0.004
Scrapers	750	0.294	1.965	3.746	0.005	0.135	0.124	490.578	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	1.018	4.657	4.427	0.007	0.270	0.270	568.299	0.091	0.005
Signal Boards	120	0.492	3.541	3.723	0.006	0.252	0.252	568.299	0.044	0.004
Signal Boards	175	0.351	3.043	2.930	0.006	0.141	0.141	568.299	0.031	0.004
Signal Boards	250	0.309	1.306	3.040	0.007	0.090	0.090	686.695	0.027	0.004
Skid Steer Loaders	25	0.487	3.787	3.890	0.005	0.178	0.164	547.558	0.171	0.005
Skid Steer Loaders	50	0.487	3.787	3.890	0.005	0.178	0.164	547.558	0.171	0.005
Skid Steer Loaders	120	0.216	3.282	2.860	0.005	0.140	0.129	490.094	0.153	0.004
Surfacing Equipment	50	0.779	4.353	4.820	0.006	0.320	0.294	555.736	0.173	0.005
Surfacing Equipment	120	0.414	3.489	4.284	0.005	0.269	0.247	491.317	0.153	0.004
Surfacing Equipment	175	0.375	2.976	4.475	0.005	0.215	0.198	488.441	0.152	0.004
Surfacing Equipment	250	0.241	1.234	3.989	0.005	0.113	0.104	494.139	0.154	0.004
Surfacing Equipment	500	0.157	1.226	2.204	0.005	0.076	0.070	487.872	0.152	0.004
Surfacing Equipment	750	0.143	0.993	2.269	0.005	0.078	0.072	488.860	0.152	0.004
Sweepers/Scrubbers	15	1.545	6.444	5.399	0.005	0.531	0.488	545.758	0.170	0.005
Sweepers/Scrubbers	25	1.545	6.444	5.399	0.005	0.531	0.488	545.758	0.170	0.005
Sweepers/Scrubbers	50	1.545	6.444	5.399	0.005	0.531	0.488	545.758	0.170	0.005
Sweepers/Scrubbers	120	0.600	3.882	5.136	0.005	0.428	0.394	492.554	0.153	0.004
Sweepers/Scrubbers	175	0.589	3.588	6.071	0.005	0.320	0.294	491.521	0.153	0.004
Sweepers/Scrubbers	250	0.350	1.605	4.302	0.005	0.169	0.156	488.409	0.152	0.004
Tractors/Loaders/Backhoes	25	0.992	5.310	4.764	0.005	0.363	0.334	536.112	0.167	0.005
Tractors/Loaders/Backhoes	50	0.992	5.310	4.764	0.005	0.363	0.334	536.112	0.167	0.005
Tractors/Loaders/Backhoes	120	0.420	3.692	4.154	0.005	0.294	0.271	494.124	0.154	0.004
Tractors/Loaders/Backhoes	175	0.297	3.137	3.168	0.005	0.160	0.147	485.775	0.151	0.004
Tractors/Loaders/Backhoes	250	0.259	1.242	3.460	0.005	0.112	0.103	489.456	0.152	0.004
Tractors/Loaders/Backhoes	500	0.222	1.445	2.669	0.005	0.092	0.085	486.294	0.151	0.004
Tractors/Loaders/Backhoes	750	0.271	1.601	3.402	0.005	0.124	0.114	485.010	0.151	0.004
Trenchers	15	1.039	5.018	4.960	0.005	0.409	0.377	548.361	0.171	0.005

2018

2018		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	1.039	5.018	4.960	0.005	0.409	0.377	548.361	0.171	0.005
Trenchers	50	1.039	5.018	4.960	0.005	0.409	0.377	548.361	0.171	0.005
Trenchers	120	0.658	3.855	5.915	0.005	0.450	0.414	493.715	0.154	0.004
Trenchers	175	0.470	3.331	5.127	0.005	0.261	0.240	485.925	0.151	0.004
Trenchers	250	0.419	1.849	5.296	0.005	0.212	0.195	491.565	0.153	0.004
Trenchers	500	0.256	1.974	3.211	0.005	0.121	0.112	489.628	0.152	0.004
Trenchers	750	0.094	0.966	1.025	0.005	0.029	0.026	494.643	0.154	0.004
Welders	15	0.766	3.580	4.762	0.008	0.256	0.256	568.300	0.069	0.005
Welders	25	0.807	2.531	4.661	0.007	0.232	0.232	568.299	0.072	0.005
Welders	50	1.210	5.092	4.607	0.007	0.311	0.311	568.299	0.109	0.005
Welders	120	0.564	3.648	3.980	0.006	0.290	0.290	568.299	0.050	0.004
Welders	175	0.402	3.123	3.176	0.006	0.162	0.162	568.299	0.036	0.004
Welders	250	0.292	1.118	2.751	0.006	0.084	0.084	568.299	0.026	0.004
Welders	500	0.277	1.080	2.430	0.005	0.080	0.080	568.299	0.025	0.004
Water Trucks	175	0.383	3.383	3.543	0.005	0.192	0.177	488.044	0.152	0.004
Water Trucks	250	0.341	1.543	3.451	0.005	0.141	0.130	487.635	0.152	0.004
Water Trucks	500	0.287	1.560	3.090	0.005	0.113	0.104	493.506	0.154	0.004
Water Trucks	750	0.348	2.176	3.691	0.005	0.143	0.132	492.114	0.153	0.004
Water Trucks	1000	0.297	1.357	4.858	0.005	0.127	0.116	487.790	0.152	0.004

2019

2019		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.172	3.115	3.079	0.005	0.042	0.038	536.743	0.170	0.005
Aerial Lifts	25	0.172	3.115	3.079	0.005	0.042	0.038	536.743	0.170	0.005
Aerial Lifts	50	0.172	3.115	3.079	0.005	0.042	0.038	536.743	0.170	0.005
Aerial Lifts	120	0.118	3.173	1.977	0.005	0.049	0.045	482.606	0.153	0.004
Aerial Lifts	500	0.066	0.941	0.636	0.005	0.009	0.008	482.545	0.153	0.004
Aerial Lifts	750	0.212	1.023	2.117	0.005	0.064	0.064	568.299	0.019	0.004
Air Compressors	15	0.748	3.562	4.647	0.008	0.241	0.241	568.299	0.067	0.005
Air Compressors	25	0.787	2.501	4.596	0.007	0.222	0.222	568.299	0.071	0.005
Air Compressors	50	1.129	5.283	4.546	0.007	0.287	0.287	568.299	0.101	0.005
Air Compressors	120	0.538	3.718	3.706	0.006	0.260	0.260	568.299	0.048	0.004
Air Compressors	175	0.401	3.204	2.874	0.006	0.150	0.150	568.299	0.036	0.004
Air Compressors	250	0.304	1.132	2.469	0.006	0.078	0.078	568.299	0.027	0.004
Air Compressors	500	0.293	1.086	2.193	0.005	0.075	0.075	568.299	0.026	0.004
Air Compressors	750	0.294	1.086	2.247	0.005	0.076	0.076	568.299	0.026	0.004
Air Compressors	1000	0.324	1.182	4.073	0.005	0.102	0.102	568.299	0.029	0.004
Bore/Drill Rigs	15	0.722	4.497	4.718	0.006	0.303	0.278	545.293	0.173	0.005
Bore/Drill Rigs	25	0.722	4.497	4.718	0.006	0.303	0.278	545.293	0.173	0.005
Bore/Drill Rigs	50	0.722	4.497	4.718	0.006	0.303	0.278	545.293	0.173	0.005
Bore/Drill Rigs	120	0.267	3.332	3.321	0.005	0.180	0.166	472.453	0.150	0.004
Bore/Drill Rigs	175	0.181	2.956	2.018	0.005	0.088	0.081	487.355	0.154	0.004
Bore/Drill Rigs	250	0.143	1.061	1.894	0.005	0.054	0.049	475.790	0.151	0.004
Bore/Drill Rigs	500	0.129	1.034	1.551	0.005	0.048	0.044	477.046	0.151	0.004
Bore/Drill Rigs	750	0.117	0.971	1.449	0.005	0.048	0.044	481.836	0.152	0.004
Bore/Drill Rigs	1000	0.129	0.983	3.041	0.005	0.061	0.056	482.359	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.162	0.162	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.735	2.417	4.469	0.007	0.196	0.196	568.299	0.066	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.899	4.645	4.338	0.007	0.242	0.242	568.299	0.081	0.005
Concrete/Industrial Saws	120	0.443	3.550	3.441	0.006	0.220	0.220	568.300	0.040	0.004
Concrete/Industrial Saws	175	0.330	3.072	2.618	0.006	0.128	0.128	568.299	0.029	0.004
Cranes	50	2.045	7.245	5.952	0.005	0.615	0.566	529.463	0.168	0.005
Cranes	120	0.803	4.265	6.958	0.005	0.501	0.460	480.325	0.152	0.004
Cranes	175	0.568	3.598	5.949	0.005	0.318	0.292	485.182	0.154	0.004
Cranes	250	0.427	1.941	5.084	0.005	0.216	0.198	483.462	0.153	0.004
Cranes	500	0.349	2.969	4.297	0.005	0.173	0.159	483.142	0.153	0.004
Cranes	750	0.252	1.446	3.428	0.005	0.124	0.114	481.119	0.152	0.004
Cranes	9999	0.172	0.991	2.349	0.005	0.060	0.055	482.545	0.153	0.004
Crawler Tractors	50	2.225	7.589	5.855	0.005	0.640	0.589	525.977	0.166	0.005
Crawler Tractors	120	0.757	4.088	6.393	0.005	0.535	0.492	486.991	0.154	0.004
Crawler Tractors	175	0.517	3.379	5.382	0.005	0.300	0.276	481.622	0.152	0.004
Crawler Tractors	250	0.380	1.604	4.972	0.005	0.188	0.173	483.449	0.153	0.004

2019

2019		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.319	2.219	3.934	0.005	0.153	0.141	485.865	0.154	0.004
Crawler Tractors	750	0.266	1.356	3.343	0.005	0.123	0.113	483.388	0.153	0.004
Crawler Tractors	1000	0.460	2.020	7.212	0.005	0.211	0.194	486.255	0.154	0.004
Crushing/Proc. Equipment	50	1.064	5.316	4.495	0.007	0.269	0.269	568.299	0.096	0.005
Crushing/Proc. Equipment	120	0.519	3.739	3.544	0.006	0.241	0.241	568.299	0.046	0.004
Crushing/Proc. Equipment	175	0.394	3.233	2.700	0.006	0.141	0.141	568.299	0.035	0.004
Crushing/Proc. Equipment	250	0.304	1.134	2.300	0.006	0.074	0.074	568.299	0.027	0.004
Crushing/Proc. Equipment	500	0.295	1.087	2.046	0.005	0.071	0.071	568.299	0.026	0.004
Crushing/Proc. Equipment	750	0.294	1.085	2.085	0.005	0.071	0.071	568.299	0.026	0.004
Crushing/Proc. Equipment	9999	0.345	1.173	3.927	0.005	0.098	0.098	568.299	0.031	0.004
Dumpers/Tenders	25	0.686	2.339	4.341	0.007	0.167	0.167	568.299	0.061	0.005
Excavators	25	0.637	4.597	4.199	0.005	0.250	0.230	536.913	0.170	0.005
Excavators	50	0.637	4.597	4.199	0.005	0.250	0.230	536.913	0.170	0.005
Excavators	120	0.325	3.524	3.369	0.005	0.211	0.194	478.245	0.151	0.004
Excavators	175	0.246	3.082	2.533	0.005	0.122	0.112	482.684	0.153	0.004
Excavators	250	0.186	1.127	2.242	0.005	0.068	0.063	482.250	0.153	0.004
Excavators	500	0.162	1.114	1.780	0.005	0.058	0.053	481.236	0.152	0.004
Excavators	750	0.176	1.173	1.987	0.005	0.067	0.062	479.288	0.152	0.004
Forklifts	50	1.244	5.880	4.862	0.005	0.401	0.369	537.161	0.170	0.005
Forklifts	120	0.510	3.804	4.550	0.005	0.353	0.324	482.007	0.153	0.004
Forklifts	175	0.382	3.288	3.865	0.005	0.210	0.193	482.598	0.153	0.004
Forklifts	250	0.374	1.677	4.250	0.005	0.175	0.161	483.844	0.153	0.004
Forklifts	500	0.268	1.814	2.751	0.005	0.112	0.103	484.140	0.153	0.004
Generator Sets	15	0.662	3.562	4.617	0.008	0.224	0.224	568.299	0.059	0.005
Generator Sets	25	0.731	2.501	4.596	0.007	0.214	0.214	568.299	0.066	0.005
Generator Sets	50	0.779	4.076	4.215	0.007	0.222	0.222	568.299	0.070	0.005
Generator Sets	120	0.405	3.396	3.446	0.006	0.206	0.206	568.299	0.036	0.004
Generator Sets	175	0.290	2.929	2.669	0.006	0.118	0.118	568.299	0.026	0.004
Generator Sets	250	0.211	1.036	2.285	0.006	0.064	0.064	568.299	0.019	0.004
Generator Sets	500	0.199	1.015	2.056	0.005	0.062	0.062	568.299	0.018	0.004
Generator Sets	750	0.202	1.015	2.104	0.005	0.062	0.062	568.299	0.018	0.004
Generator Sets	9999	0.261	1.103	3.829	0.005	0.087	0.087	568.299	0.023	0.004
Graders	50	2.616	8.279	5.945	0.005	0.737	0.678	503.751	0.159	0.005
Graders	120	1.032	4.642	8.159	0.005	0.665	0.612	479.901	0.152	0.004
Graders	175	0.609	3.656	6.014	0.005	0.337	0.310	489.042	0.155	0.004
Graders	250	0.360	1.359	4.866	0.005	0.156	0.144	486.329	0.154	0.004
Graders	500	0.323	1.528	3.218	0.005	0.124	0.115	482.588	0.153	0.004
Graders	750	0.335	1.255	2.276	0.005	0.080	0.080	568.299	0.030	0.004
Off-Highway Tractors	120	0.473	3.795	4.421	0.005	0.331	0.305	484.269	0.153	0.004
Off-Highway Tractors	175	0.294	3.219	3.208	0.005	0.159	0.146	483.431	0.153	0.004
Off-Highway Tractors	250	0.239	1.218	2.914	0.005	0.098	0.090	481.275	0.152	0.004
Off-Highway Tractors	750	0.205	1.129	2.177	0.005	0.082	0.075	482.309	0.153	0.004
Off-Highway Tractors	1000	0.140	1.010	2.378	0.005	0.062	0.057	482.545	0.153	0.004
Off-Highway Trucks	175	0.323	3.326	2.825	0.005	0.149	0.138	480.362	0.152	0.004
Off-Highway Trucks	250	0.307	1.461	2.985	0.005	0.119	0.110	480.170	0.152	0.004

2019

2019		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.264	1.483	2.669	0.005	0.097	0.089	485.383	0.154	0.004
Off-Highway Trucks	750	0.327	2.041	3.320	0.005	0.129	0.118	483.218	0.153	0.004
Off-Highway Trucks	1000	0.295	1.356	4.765	0.005	0.124	0.114	480.348	0.152	0.004
Other Construction Equipment	15	1.152	5.541	5.203	0.005	0.437	0.402	539.735	0.171	0.005
Other Construction Equipment	25	1.152	5.541	5.203	0.005	0.437	0.402	539.735	0.171	0.005
Other Construction Equipment	50	1.152	5.541	5.203	0.005	0.437	0.402	539.735	0.171	0.005
Other Construction Equipment	120	0.550	3.754	5.048	0.005	0.379	0.349	482.218	0.153	0.004
Other Construction Equipment	175	0.412	3.256	4.433	0.005	0.234	0.215	480.452	0.152	0.004
Other Construction Equipment	500	0.234	1.667	2.855	0.005	0.103	0.094	485.413	0.154	0.004
Other General Industrial Equipment	15	1.042	5.662	4.807	0.005	0.374	0.344	537.869	0.170	0.005
Other General Industrial Equipment	25	1.042	5.662	4.807	0.005	0.374	0.344	537.869	0.170	0.005
Other General Industrial Equipment	50	1.042	5.662	4.807	0.005	0.374	0.344	537.869	0.170	0.005
Other General Industrial Equipment	120	0.500	3.821	4.497	0.005	0.343	0.316	480.444	0.152	0.004
Other General Industrial Equipment	175	0.302	3.241	2.999	0.005	0.157	0.144	482.336	0.153	0.004
Other General Industrial Equipment	250	0.259	1.299	3.020	0.005	0.106	0.097	483.739	0.153	0.004
Other General Industrial Equipment	500	0.239	1.561	2.575	0.005	0.092	0.085	483.439	0.153	0.004
Other General Industrial Equipment	750	0.199	1.474	2.115	0.005	0.076	0.070	483.985	0.153	0.004
Other General Industrial Equipment	1000	0.264	1.076	4.834	0.005	0.117	0.108	482.545	0.153	0.004
Other Material Handling Equipment	50	1.275	6.139	5.179	0.005	0.452	0.416	535.347	0.169	0.005
Other Material Handling Equipment	120	0.360	3.636	3.566	0.005	0.231	0.212	484.113	0.153	0.004
Other Material Handling Equipment	175	0.280	3.185	2.774	0.005	0.139	0.128	482.713	0.153	0.004
Other Material Handling Equipment	250	0.300	1.341	3.817	0.005	0.123	0.113	481.959	0.153	0.004
Other Material Handling Equipment	500	0.291	1.620	3.371	0.005	0.128	0.118	480.748	0.152	0.004

2019

2019		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.190	1.036	3.583	0.005	0.076	0.070	482.545	0.153	0.004
Pavers	25	1.418	5.657	4.916	0.005	0.436	0.401	538.325	0.170	0.005
Pavers	50	1.418	5.657	4.916	0.005	0.436	0.401	538.325	0.170	0.005
Pavers	120	0.496	3.622	4.670	0.005	0.346	0.318	480.251	0.152	0.004
Pavers	175	0.299	3.013	3.245	0.005	0.159	0.146	483.394	0.153	0.004
Pavers	250	0.187	1.032	3.111	0.005	0.084	0.077	483.574	0.153	0.004
Pavers	500	0.167	0.986	2.270	0.005	0.081	0.075	476.971	0.151	0.004
Paving Equipment	25	0.705	4.408	4.238	0.005	0.270	0.248	531.861	0.168	0.005
Paving Equipment	50	0.705	4.408	4.238	0.005	0.270	0.248	531.861	0.168	0.005
Paving Equipment	120	0.425	3.598	4.042	0.005	0.281	0.258	484.387	0.153	0.004
Paving Equipment	175	0.254	3.011	2.692	0.005	0.134	0.123	481.225	0.152	0.004
Paving Equipment	250	0.241	1.244	3.251	0.005	0.112	0.103	482.644	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.662	3.562	4.617	0.008	0.224	0.224	568.299	0.059	0.005
Pressure Washers	25	0.731	2.501	4.596	0.007	0.214	0.214	568.299	0.066	0.005
Pressure Washers	50	0.569	3.457	4.053	0.007	0.184	0.184	568.299	0.051	0.005
Pressure Washers	120	0.337	3.240	3.295	0.006	0.174	0.174	568.299	0.030	0.004
Pressure Washers	175	0.280	2.907	2.670	0.006	0.117	0.117	568.299	0.025	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.748	3.562	4.647	0.008	0.241	0.241	568.300	0.067	0.005
Pumps	25	0.787	2.501	4.596	0.007	0.222	0.222	568.300	0.071	0.005
Pumps	50	0.849	4.284	4.269	0.007	0.235	0.235	568.299	0.076	0.005
Pumps	120	0.429	3.449	3.497	0.006	0.217	0.217	568.299	0.038	0.004
Pumps	175	0.309	2.974	2.711	0.006	0.124	0.124	568.299	0.027	0.004
Pumps	250	0.226	1.052	2.323	0.006	0.067	0.067	568.299	0.020	0.004
Pumps	500	0.214	1.027	2.084	0.005	0.064	0.064	568.300	0.019	0.004
Pumps	750	0.217	1.027	2.133	0.005	0.065	0.065	568.299	0.019	0.004
Pumps	9999	0.273	1.118	3.873	0.005	0.089	0.089	568.299	0.024	0.004
Rollers	15	0.972	4.778	4.645	0.005	0.349	0.321	537.546	0.170	0.005
Rollers	25	0.972	4.778	4.645	0.005	0.349	0.321	537.546	0.170	0.005
Rollers	50	0.972	4.778	4.645	0.005	0.349	0.321	537.546	0.170	0.005
Rollers	120	0.423	3.557	4.179	0.005	0.275	0.253	484.336	0.153	0.004
Rollers	175	0.231	2.933	2.699	0.005	0.124	0.114	482.453	0.153	0.004
Rollers	250	0.211	1.249	2.883	0.005	0.092	0.084	483.777	0.153	0.004
Rollers	500	0.234	2.101	2.908	0.005	0.111	0.102	489.977	0.155	0.004
Rough Terrain Forklifts	50	1.009	4.674	4.557	0.005	0.328	0.302	537.329	0.170	0.005
Rough Terrain Forklifts	120	0.202	3.258	2.622	0.005	0.117	0.108	483.311	0.153	0.004
Rough Terrain Forklifts	175	0.149	2.841	2.058	0.005	0.075	0.069	482.119	0.153	0.004
Rough Terrain Forklifts	250	0.109	0.974	1.639	0.005	0.036	0.034	483.088	0.153	0.004
Rough Terrain Forklifts	500	0.116	0.950	1.961	0.005	0.043	0.040	477.254	0.151	0.004
Rubber Tired Dozers	175	0.759	3.949	7.520	0.005	0.433	0.398	483.559	0.153	0.004
Rubber Tired Dozers	250	0.651	2.459	6.929	0.005	0.338	0.311	485.172	0.154	0.004
Rubber Tired Dozers	500	0.572	4.743	6.143	0.005	0.283	0.260	490.383	0.155	0.004
Rubber Tired Dozers	750	0.455	2.598	6.122	0.005	0.218	0.201	483.579	0.153	0.004
Rubber Tired Dozers	1000	0.547	2.281	5.528	0.005	0.171	0.171	568.299	0.049	0.004
Rubber Tired Loaders	25	1.602	6.978	5.432	0.005	0.518	0.476	536.225	0.170	0.005

2019

2019		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	1.602	6.978	5.432	0.005	0.518	0.476	536.225	0.170	0.005
Rubber Tired Loaders	120	0.595	3.979	5.006	0.005	0.402	0.370	475.864	0.151	0.004
Rubber Tired Loaders	175	0.405	3.381	3.859	0.005	0.213	0.196	481.736	0.152	0.004
Rubber Tired Loaders	250	0.309	1.302	3.745	0.005	0.126	0.116	480.100	0.152	0.004
Rubber Tired Loaders	500	0.306	1.725	3.288	0.005	0.123	0.113	477.042	0.151	0.004
Rubber Tired Loaders	750	0.293	1.452	3.019	0.005	0.118	0.109	471.187	0.149	0.004
Rubber Tired Loaders	1000	0.323	1.208	5.459	0.005	0.146	0.135	480.523	0.152	0.004
Scrapers	120	0.718	4.197	6.841	0.005	0.526	0.483	494.100	0.156	0.004
Scrapers	175	0.510	3.533	5.264	0.005	0.283	0.261	489.255	0.155	0.004
Scrapers	250	0.501	2.233	5.831	0.005	0.257	0.236	479.032	0.152	0.004
Scrapers	500	0.343	2.595	4.156	0.005	0.163	0.150	482.732	0.153	0.004
Scrapers	750	0.277	1.829	3.431	0.005	0.123	0.113	482.596	0.153	0.004
Signal Boards	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.887	4.538	4.272	0.007	0.236	0.236	568.300	0.080	0.005
Signal Boards	120	0.437	3.519	3.410	0.006	0.216	0.216	568.299	0.039	0.004
Signal Boards	175	0.321	3.043	2.601	0.006	0.125	0.125	568.299	0.029	0.004
Signal Boards	250	0.291	1.292	2.676	0.007	0.080	0.080	686.695	0.026	0.004
Skid Steer Loaders	25	0.446	3.740	3.750	0.005	0.154	0.141	539.267	0.171	0.005
Skid Steer Loaders	50	0.446	3.740	3.750	0.005	0.154	0.141	539.267	0.171	0.005
Skid Steer Loaders	120	0.199	3.277	2.656	0.005	0.122	0.112	482.384	0.153	0.004
Surfacing Equipment	50	0.643	4.100	4.420	0.006	0.250	0.230	547.046	0.173	0.005
Surfacing Equipment	120	0.355	3.449	3.823	0.005	0.226	0.208	484.076	0.153	0.004
Surfacing Equipment	175	0.357	2.972	4.239	0.005	0.204	0.187	479.672	0.152	0.004
Surfacing Equipment	250	0.217	1.216	3.400	0.005	0.101	0.093	486.842	0.154	0.004
Surfacing Equipment	500	0.146	1.214	1.899	0.005	0.068	0.063	481.897	0.153	0.004
Surfacing Equipment	750	0.142	0.994	2.179	0.005	0.076	0.070	480.166	0.152	0.004
Sweepers/Scrubbers	15	1.431	6.268	5.225	0.005	0.491	0.452	537.002	0.170	0.005
Sweepers/Scrubbers	25	1.431	6.268	5.225	0.005	0.491	0.452	537.002	0.170	0.005
Sweepers/Scrubbers	50	1.431	6.268	5.225	0.005	0.491	0.452	537.002	0.170	0.005
Sweepers/Scrubbers	120	0.550	3.846	4.773	0.005	0.387	0.356	484.652	0.153	0.004
Sweepers/Scrubbers	175	0.523	3.449	5.301	0.005	0.277	0.255	483.636	0.153	0.004
Sweepers/Scrubbers	250	0.235	1.230	2.866	0.005	0.099	0.091	480.574	0.152	0.004
Tractors/Loaders/Backhoes	25	0.920	5.203	4.609	0.005	0.330	0.304	527.684	0.167	0.005
Tractors/Loaders/Backhoes	50	0.920	5.203	4.609	0.005	0.330	0.304	527.684	0.167	0.005
Tractors/Loaders/Backhoes	120	0.368	3.638	3.693	0.005	0.247	0.227	485.855	0.154	0.004
Tractors/Loaders/Backhoes	175	0.270	3.122	2.784	0.005	0.140	0.129	477.915	0.151	0.004
Tractors/Loaders/Backhoes	250	0.245	1.220	3.147	0.005	0.102	0.094	481.421	0.152	0.004
Tractors/Loaders/Backhoes	500	0.206	1.389	2.345	0.005	0.082	0.075	479.083	0.152	0.004
Tractors/Loaders/Backhoes	750	0.262	1.603	3.120	0.005	0.117	0.107	478.922	0.152	0.004
Trenchers	15	0.955	4.892	4.785	0.005	0.377	0.347	539.104	0.171	0.005

2019

2019		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.955	4.892	4.785	0.005	0.377	0.347	539.104	0.171	0.005
Trenchers	50	0.955	4.892	4.785	0.005	0.377	0.347	539.104	0.171	0.005
Trenchers	120	0.631	3.837	5.695	0.005	0.431	0.396	485.364	0.154	0.004
Trenchers	175	0.460	3.342	4.960	0.005	0.255	0.234	478.129	0.151	0.004
Trenchers	250	0.405	1.810	5.047	0.005	0.203	0.187	484.117	0.153	0.004
Trenchers	500	0.254	1.987	3.128	0.005	0.118	0.109	482.165	0.153	0.004
Trenchers	750	0.078	0.956	0.707	0.005	0.015	0.014	484.542	0.153	0.004
Welders	15	0.748	3.562	4.647	0.008	0.241	0.241	568.299	0.067	0.005
Welders	25	0.787	2.501	4.596	0.007	0.222	0.222	568.299	0.071	0.005
Welders	50	1.055	4.950	4.449	0.007	0.273	0.273	568.299	0.095	0.005
Welders	120	0.503	3.623	3.648	0.006	0.250	0.250	568.299	0.045	0.004
Welders	175	0.370	3.122	2.832	0.006	0.143	0.143	568.300	0.033	0.004
Welders	250	0.276	1.104	2.432	0.006	0.075	0.075	568.299	0.024	0.004
Welders	500	0.264	1.065	2.163	0.005	0.072	0.072	568.300	0.023	0.004
Water Trucks	175	0.323	3.326	2.825	0.005	0.149	0.138	480.362	0.152	0.004
Water Trucks	250	0.307	1.461	2.985	0.005	0.119	0.110	480.170	0.152	0.004
Water Trucks	500	0.264	1.483	2.669	0.005	0.097	0.089	485.383	0.154	0.004
Water Trucks	750	0.327	2.041	3.320	0.005	0.129	0.118	483.218	0.153	0.004
Water Trucks	1000	0.295	1.356	4.765	0.005	0.124	0.114	480.348	0.152	0.004

2020

2020		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.168	3.099	2.955	0.005	0.031	0.028	525.074	0.170	0.005
Aerial Lifts	25	0.168	3.099	2.955	0.005	0.031	0.028	525.074	0.170	0.005
Aerial Lifts	50	0.168	3.099	2.955	0.005	0.031	0.028	525.074	0.170	0.005
Aerial Lifts	120	0.115	3.177	1.869	0.005	0.042	0.038	472.114	0.153	0.004
Aerial Lifts	500	0.069	0.946	0.638	0.005	0.009	0.008	472.055	0.153	0.004
Aerial Lifts	750	0.200	1.013	1.868	0.005	0.057	0.057	568.299	0.018	0.004
Air Compressors	15	0.731	3.546	4.542	0.008	0.227	0.227	568.299	0.066	0.005
Air Compressors	25	0.769	2.473	4.538	0.007	0.212	0.212	568.300	0.069	0.005
Air Compressors	50	1.001	5.164	4.397	0.007	0.250	0.250	568.299	0.090	0.005
Air Compressors	120	0.489	3.698	3.400	0.006	0.224	0.224	568.299	0.044	0.004
Air Compressors	175	0.374	3.203	2.558	0.006	0.133	0.133	568.299	0.033	0.004
Air Compressors	250	0.288	1.121	2.172	0.006	0.069	0.069	568.299	0.026	0.004
Air Compressors	500	0.279	1.076	1.935	0.005	0.067	0.067	568.299	0.025	0.004
Air Compressors	750	0.280	1.076	1.982	0.005	0.067	0.067	568.299	0.025	0.004
Air Compressors	1000	0.306	1.158	3.828	0.005	0.093	0.093	568.300	0.027	0.004
Bore/Drill Rigs	15	0.716	4.510	4.645	0.006	0.294	0.271	535.295	0.173	0.005
Bore/Drill Rigs	25	0.716	4.510	4.645	0.006	0.294	0.271	535.295	0.173	0.005
Bore/Drill Rigs	50	0.716	4.510	4.645	0.006	0.294	0.271	535.295	0.173	0.005
Bore/Drill Rigs	120	0.246	3.323	3.066	0.005	0.159	0.146	463.583	0.150	0.004
Bore/Drill Rigs	175	0.174	2.969	1.871	0.005	0.082	0.076	477.722	0.155	0.004
Bore/Drill Rigs	250	0.142	1.068	1.807	0.005	0.052	0.048	466.834	0.151	0.004
Bore/Drill Rigs	500	0.125	1.013	1.409	0.005	0.045	0.041	466.822	0.151	0.004
Bore/Drill Rigs	750	0.109	0.974	1.231	0.005	0.041	0.038	473.668	0.153	0.004
Bore/Drill Rigs	1000	0.133	0.988	3.050	0.005	0.061	0.056	471.849	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.723	2.397	4.442	0.007	0.187	0.187	568.299	0.065	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.798	4.552	4.196	0.007	0.212	0.212	568.299	0.072	0.005
Concrete/Industrial Saws	120	0.401	3.535	3.163	0.006	0.190	0.190	568.299	0.036	0.004
Concrete/Industrial Saws	175	0.306	3.072	2.324	0.006	0.114	0.114	568.299	0.027	0.004
Cranes	50	2.084	7.376	5.985	0.005	0.624	0.574	517.926	0.168	0.005
Cranes	120	0.732	4.171	6.381	0.005	0.453	0.417	469.882	0.152	0.004
Cranes	175	0.537	3.562	5.570	0.005	0.298	0.274	474.594	0.154	0.004
Cranes	250	0.384	1.790	4.563	0.005	0.188	0.173	472.949	0.153	0.004
Cranes	500	0.321	2.660	3.862	0.005	0.155	0.142	472.558	0.153	0.004
Cranes	750	0.242	1.444	3.105	0.005	0.116	0.107	470.425	0.152	0.004
Cranes	9999	0.182	0.999	2.361	0.005	0.060	0.056	472.055	0.153	0.004
Crawler Tractors	50	2.053	7.300	5.643	0.005	0.591	0.544	515.679	0.167	0.005
Crawler Tractors	120	0.715	4.044	6.009	0.005	0.501	0.460	476.328	0.154	0.004
Crawler Tractors	175	0.476	3.340	4.872	0.005	0.272	0.250	471.015	0.152	0.004
Crawler Tractors	250	0.360	1.555	4.632	0.005	0.175	0.161	472.941	0.153	0.004

2020

2020		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.301	2.088	3.622	0.005	0.141	0.130	475.234	0.154	0.004
Crawler Tractors	750	0.256	1.310	3.137	0.005	0.115	0.106	473.312	0.153	0.004
Crawler Tractors	1000	0.463	2.028	7.237	0.005	0.212	0.195	475.653	0.154	0.004
Crushing/Proc. Equipment	50	0.947	5.211	4.347	0.007	0.233	0.233	568.299	0.085	0.005
Crushing/Proc. Equipment	120	0.473	3.722	3.249	0.006	0.206	0.206	568.299	0.042	0.004
Crushing/Proc. Equipment	175	0.367	3.234	2.392	0.006	0.124	0.124	568.299	0.033	0.004
Crushing/Proc. Equipment	250	0.289	1.125	2.014	0.006	0.065	0.065	568.299	0.026	0.004
Crushing/Proc. Equipment	500	0.281	1.078	1.799	0.005	0.063	0.063	568.299	0.025	0.004
Crushing/Proc. Equipment	750	0.281	1.077	1.835	0.005	0.063	0.063	568.299	0.025	0.004
Crushing/Proc. Equipment	9999	0.329	1.153	3.699	0.005	0.089	0.089	568.299	0.029	0.004
Dumpers/Tenders	25	0.685	2.339	4.336	0.007	0.165	0.165	568.299	0.061	0.005
Excavators	25	0.593	4.500	4.031	0.005	0.222	0.204	525.368	0.170	0.005
Excavators	50	0.593	4.500	4.031	0.005	0.222	0.204	525.368	0.170	0.005
Excavators	120	0.299	3.505	3.090	0.005	0.185	0.170	468.055	0.151	0.004
Excavators	175	0.231	3.086	2.278	0.005	0.110	0.102	472.289	0.153	0.004
Excavators	250	0.177	1.118	2.027	0.005	0.061	0.057	471.883	0.153	0.004
Excavators	500	0.153	1.102	1.572	0.005	0.052	0.048	470.296	0.152	0.004
Excavators	750	0.170	1.145	1.797	0.005	0.061	0.056	468.871	0.152	0.004
Forklifts	50	1.124	5.706	4.686	0.005	0.360	0.331	525.483	0.170	0.005
Forklifts	120	0.459	3.760	4.133	0.005	0.308	0.283	471.529	0.153	0.004
Forklifts	175	0.338	3.249	3.320	0.005	0.180	0.165	472.106	0.153	0.004
Forklifts	250	0.293	1.442	3.241	0.005	0.126	0.116	473.326	0.153	0.004
Forklifts	500	0.251	1.478	2.440	0.005	0.097	0.089	473.615	0.153	0.004
Generator Sets	15	0.646	3.546	4.516	0.008	0.212	0.212	568.299	0.058	0.005
Generator Sets	25	0.721	2.473	4.538	0.007	0.205	0.205	568.299	0.065	0.005
Generator Sets	50	0.691	3.995	4.075	0.007	0.194	0.194	568.299	0.062	0.005
Generator Sets	120	0.364	3.380	3.173	0.006	0.179	0.179	568.299	0.032	0.004
Generator Sets	175	0.267	2.930	2.380	0.006	0.105	0.105	568.299	0.024	0.004
Generator Sets	250	0.198	1.026	2.016	0.006	0.057	0.057	568.299	0.017	0.004
Generator Sets	500	0.188	1.005	1.816	0.005	0.055	0.055	568.299	0.017	0.004
Generator Sets	750	0.191	1.005	1.858	0.005	0.056	0.056	568.299	0.017	0.004
Generator Sets	9999	0.242	1.082	3.608	0.005	0.079	0.079	568.300	0.021	0.004
Graders	50	2.516	8.134	5.825	0.005	0.709	0.652	492.862	0.159	0.005
Graders	120	0.976	4.561	7.725	0.005	0.622	0.572	469.337	0.152	0.004
Graders	175	0.567	3.621	5.530	0.005	0.309	0.284	478.040	0.155	0.004
Graders	250	0.352	1.342	4.678	0.005	0.150	0.138	475.304	0.154	0.004
Graders	500	0.322	1.526	3.107	0.005	0.121	0.111	471.980	0.153	0.004
Graders	750	0.319	1.229	2.031	0.005	0.072	0.072	568.299	0.028	0.004
Off-Highway Tractors	120	0.448	3.788	4.183	0.005	0.307	0.283	474.148	0.153	0.004
Off-Highway Tractors	175	0.271	3.215	2.890	0.005	0.140	0.129	472.917	0.153	0.004
Off-Highway Tractors	250	0.221	1.181	2.575	0.005	0.086	0.079	470.943	0.152	0.004
Off-Highway Tractors	750	0.201	1.131	2.047	0.005	0.076	0.070	471.815	0.153	0.004
Off-Highway Tractors	1000	0.150	1.022	2.396	0.005	0.063	0.058	472.055	0.153	0.004
Off-Highway Trucks	175	0.310	3.339	2.628	0.005	0.137	0.126	470.097	0.152	0.004
Off-Highway Trucks	250	0.275	1.391	2.507	0.005	0.098	0.090	470.168	0.152	0.004

2020

2020		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.246	1.414	2.347	0.005	0.086	0.079	474.579	0.154	0.004
Off-Highway Trucks	750	0.312	2.027	3.058	0.005	0.120	0.110	472.750	0.153	0.004
Off-Highway Trucks	1000	0.303	1.372	4.794	0.005	0.125	0.115	469.889	0.152	0.004
Other Construction Equipment	15	1.072	5.404	5.036	0.005	0.405	0.373	527.966	0.171	0.005
Other Construction Equipment	25	1.072	5.404	5.036	0.005	0.405	0.373	527.966	0.171	0.005
Other Construction Equipment	50	1.072	5.404	5.036	0.005	0.405	0.373	527.966	0.171	0.005
Other Construction Equipment	120	0.519	3.732	4.771	0.005	0.354	0.325	472.216	0.153	0.004
Other Construction Equipment	175	0.388	3.235	4.112	0.005	0.217	0.200	469.984	0.152	0.004
Other Construction Equipment	500	0.224	1.634	2.637	0.005	0.096	0.088	475.233	0.154	0.004
Other General Industrial Equipment	15	0.946	5.504	4.622	0.005	0.334	0.307	526.176	0.170	0.005
Other General Industrial Equipment	25	0.946	5.504	4.622	0.005	0.334	0.307	526.176	0.170	0.005
Other General Industrial Equipment	50	0.946	5.504	4.622	0.005	0.334	0.307	526.176	0.170	0.005
Other General Industrial Equipment	120	0.446	3.771	4.061	0.005	0.296	0.272	470.000	0.152	0.004
Other General Industrial Equipment	175	0.268	3.229	2.575	0.005	0.135	0.124	471.850	0.153	0.004
Other General Industrial Equipment	250	0.237	1.239	2.668	0.005	0.090	0.083	473.223	0.153	0.004
Other General Industrial Equipment	500	0.208	1.344	2.062	0.005	0.072	0.067	472.929	0.153	0.004
Other General Industrial Equipment	750	0.175	1.462	1.676	0.005	0.062	0.057	473.464	0.153	0.004
Other General Industrial Equipment	1000	0.271	1.085	4.857	0.005	0.119	0.109	472.055	0.153	0.004
Other Material Handling Equipment	50	1.245	6.167	5.139	0.005	0.439	0.404	523.709	0.169	0.005
Other Material Handling Equipment	120	0.307	3.589	3.104	0.005	0.182	0.168	473.588	0.153	0.004
Other Material Handling Equipment	175	0.252	3.171	2.367	0.005	0.118	0.109	472.219	0.153	0.004
Other Material Handling Equipment	250	0.291	1.319	3.599	0.005	0.115	0.106	471.482	0.153	0.004
Other Material Handling Equipment	500	0.283	1.523	3.210	0.005	0.120	0.110	470.297	0.152	0.004

2020

2020		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.200	1.049	3.614	0.005	0.078	0.072	472.055	0.153	0.004
Pavers	25	1.318	5.523	4.764	0.005	0.402	0.370	526.210	0.170	0.005
Pavers	50	1.318	5.523	4.764	0.005	0.402	0.370	526.210	0.170	0.005
Pavers	120	0.470	3.604	4.427	0.005	0.325	0.299	469.882	0.152	0.004
Pavers	175	0.273	3.010	2.918	0.005	0.142	0.131	472.775	0.153	0.004
Pavers	250	0.176	1.028	2.777	0.005	0.076	0.070	472.834	0.153	0.004
Pavers	500	0.165	0.987	2.134	0.005	0.077	0.071	466.206	0.151	0.004
Paving Equipment	25	0.621	4.223	3.952	0.005	0.217	0.200	520.124	0.168	0.005
Paving Equipment	50	0.621	4.223	3.952	0.005	0.217	0.200	520.124	0.168	0.005
Paving Equipment	120	0.397	3.582	3.781	0.005	0.256	0.235	473.325	0.153	0.004
Paving Equipment	175	0.248	3.024	2.555	0.005	0.128	0.118	470.736	0.152	0.004
Paving Equipment	250	0.244	1.252	3.220	0.005	0.111	0.102	472.151	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.646	3.546	4.516	0.008	0.212	0.212	568.299	0.058	0.005
Pressure Washers	25	0.721	2.473	4.538	0.007	0.205	0.205	568.299	0.065	0.005
Pressure Washers	50	0.499	3.393	3.917	0.007	0.161	0.161	568.299	0.045	0.005
Pressure Washers	120	0.298	3.225	3.036	0.006	0.151	0.151	568.299	0.026	0.004
Pressure Washers	175	0.258	2.907	2.383	0.006	0.104	0.104	568.299	0.023	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.731	3.546	4.542	0.008	0.227	0.227	568.299	0.066	0.005
Pumps	25	0.769	2.473	4.538	0.007	0.212	0.212	568.299	0.069	0.005
Pumps	50	0.755	4.197	4.128	0.007	0.206	0.206	568.299	0.068	0.005
Pumps	120	0.386	3.432	3.219	0.006	0.189	0.189	568.299	0.034	0.004
Pumps	175	0.285	2.974	2.418	0.006	0.111	0.111	568.299	0.025	0.004
Pumps	250	0.212	1.042	2.050	0.006	0.060	0.060	568.299	0.019	0.004
Pumps	500	0.203	1.017	1.841	0.005	0.057	0.057	568.300	0.018	0.004
Pumps	750	0.205	1.017	1.884	0.005	0.058	0.058	568.299	0.018	0.004
Pumps	9999	0.255	1.096	3.649	0.005	0.081	0.081	568.300	0.023	0.004
Rollers	15	0.926	4.725	4.534	0.005	0.329	0.303	525.880	0.170	0.005
Rollers	25	0.926	4.725	4.534	0.005	0.329	0.303	525.880	0.170	0.005
Rollers	50	0.926	4.725	4.534	0.005	0.329	0.303	525.880	0.170	0.005
Rollers	120	0.388	3.531	3.882	0.005	0.248	0.228	473.859	0.153	0.004
Rollers	175	0.215	2.933	2.452	0.005	0.113	0.104	471.918	0.153	0.004
Rollers	250	0.209	1.253	2.751	0.005	0.089	0.082	473.367	0.153	0.004
Rollers	500	0.235	2.113	2.828	0.005	0.109	0.101	479.325	0.155	0.004
Rough Terrain Forklifts	50	0.999	4.686	4.495	0.005	0.316	0.291	525.622	0.170	0.005
Rough Terrain Forklifts	120	0.189	3.256	2.452	0.005	0.103	0.094	472.984	0.153	0.004
Rough Terrain Forklifts	175	0.143	2.845	1.869	0.005	0.068	0.063	471.715	0.153	0.004
Rough Terrain Forklifts	250	0.112	0.978	1.609	0.005	0.037	0.034	472.567	0.153	0.004
Rough Terrain Forklifts	500	0.089	0.942	1.302	0.005	0.028	0.026	465.771	0.151	0.004
Rubber Tired Dozers	175	0.726	3.893	7.185	0.005	0.411	0.378	473.012	0.153	0.004
Rubber Tired Dozers	250	0.620	2.371	6.503	0.005	0.319	0.293	474.793	0.154	0.004
Rubber Tired Dozers	500	0.535	4.411	5.641	0.005	0.259	0.238	479.757	0.155	0.004
Rubber Tired Dozers	750	0.457	2.601	6.123	0.005	0.218	0.201	473.056	0.153	0.004
Rubber Tired Dozers	1000	0.522	2.164	5.306	0.005	0.160	0.160	568.299	0.047	0.004
Rubber Tired Loaders	25	1.481	6.768	5.254	0.005	0.474	0.436	524.697	0.170	0.005

2020

2020		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	1.481	6.768	5.254	0.005	0.474	0.436	524.697	0.170	0.005
Rubber Tired Loaders	120	0.556	3.948	4.686	0.005	0.367	0.338	465.674	0.151	0.004
Rubber Tired Loaders	175	0.379	3.368	3.517	0.005	0.194	0.178	471.214	0.152	0.004
Rubber Tired Loaders	250	0.290	1.269	3.421	0.005	0.114	0.105	469.513	0.152	0.004
Rubber Tired Loaders	500	0.289	1.630	3.017	0.005	0.112	0.103	466.783	0.151	0.004
Rubber Tired Loaders	750	0.277	1.400	2.767	0.005	0.108	0.099	462.193	0.150	0.004
Rubber Tired Loaders	1000	0.312	1.204	5.253	0.005	0.139	0.127	469.935	0.152	0.004
Scrapers	120	0.701	4.198	6.677	0.005	0.510	0.469	483.745	0.157	0.004
Scrapers	175	0.478	3.501	4.869	0.005	0.262	0.241	478.608	0.155	0.004
Scrapers	250	0.446	2.065	5.089	0.005	0.223	0.205	468.988	0.152	0.004
Scrapers	500	0.320	2.401	3.783	0.005	0.148	0.136	472.175	0.153	0.004
Scrapers	750	0.262	1.725	3.126	0.005	0.113	0.104	471.778	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.788	4.448	4.132	0.007	0.206	0.206	568.299	0.071	0.005
Signal Boards	120	0.395	3.504	3.134	0.006	0.187	0.187	568.299	0.035	0.004
Signal Boards	175	0.298	3.043	2.309	0.006	0.110	0.110	568.299	0.026	0.004
Signal Boards	250	0.274	1.281	2.350	0.007	0.071	0.071	686.695	0.024	0.004
Skid Steer Loaders	25	0.439	3.764	3.691	0.005	0.145	0.133	527.758	0.171	0.005
Skid Steer Loaders	50	0.439	3.764	3.691	0.005	0.145	0.133	527.758	0.171	0.005
Skid Steer Loaders	120	0.188	3.277	2.505	0.005	0.108	0.100	471.908	0.153	0.004
Surfacing Equipment	50	0.536	3.934	4.239	0.006	0.216	0.199	535.528	0.173	0.005
Surfacing Equipment	120	0.330	3.439	3.612	0.005	0.206	0.190	473.819	0.153	0.004
Surfacing Equipment	175	0.308	2.931	3.672	0.005	0.175	0.161	469.208	0.152	0.004
Surfacing Equipment	250	0.212	1.218	3.222	0.005	0.097	0.089	476.426	0.154	0.004
Surfacing Equipment	500	0.146	1.219	1.838	0.005	0.067	0.062	471.633	0.153	0.004
Surfacing Equipment	750	0.142	0.996	2.094	0.005	0.074	0.068	469.625	0.152	0.004
Sweepers/Scrubbers	15	1.344	6.155	5.095	0.005	0.463	0.426	525.328	0.170	0.005
Sweepers/Scrubbers	25	1.344	6.155	5.095	0.005	0.463	0.426	525.328	0.170	0.005
Sweepers/Scrubbers	50	1.344	6.155	5.095	0.005	0.463	0.426	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.520	3.828	4.482	0.005	0.360	0.331	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.462	3.359	4.608	0.005	0.237	0.218	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.207	1.137	2.486	0.005	0.079	0.073	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.830	5.035	4.398	0.005	0.288	0.265	515.874	0.167	0.005
Tractors/Loaders/Backhoes	50	0.830	5.035	4.398	0.005	0.288	0.265	515.874	0.167	0.005
Tractors/Loaders/Backhoes	120	0.331	3.601	3.326	0.005	0.210	0.194	475.154	0.154	0.004
Tractors/Loaders/Backhoes	175	0.246	3.105	2.415	0.005	0.122	0.112	467.513	0.151	0.004
Tractors/Loaders/Backhoes	250	0.225	1.196	2.738	0.005	0.090	0.083	470.500	0.152	0.004
Tractors/Loaders/Backhoes	500	0.194	1.358	2.080	0.005	0.073	0.067	468.245	0.151	0.004
Tractors/Loaders/Backhoes	750	0.268	1.610	3.119	0.005	0.117	0.108	468.660	0.152	0.004
Trenchers	15	0.905	4.833	4.677	0.005	0.356	0.328	527.096	0.171	0.005

2020

2020		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.905	4.833	4.677	0.005	0.356	0.328	527.096	0.171	0.005
Trenchers	50	0.905	4.833	4.677	0.005	0.356	0.328	527.096	0.171	0.005
Trenchers	120	0.610	3.833	5.520	0.005	0.413	0.380	475.127	0.154	0.004
Trenchers	175	0.421	3.330	4.460	0.005	0.228	0.210	467.735	0.151	0.004
Trenchers	250	0.392	1.774	4.809	0.005	0.195	0.179	473.595	0.153	0.004
Trenchers	500	0.233	1.859	2.775	0.005	0.105	0.097	470.637	0.152	0.004
Trenchers	750	0.070	0.950	0.560	0.005	0.009	0.008	472.656	0.153	0.004
Welders	15	0.731	3.546	4.542	0.008	0.227	0.227	568.299	0.066	0.005
Welders	25	0.769	2.473	4.538	0.007	0.212	0.212	568.299	0.069	0.005
Welders	50	0.937	4.840	4.304	0.007	0.238	0.238	568.299	0.084	0.005
Welders	120	0.455	3.605	3.351	0.006	0.216	0.216	568.299	0.041	0.004
Welders	175	0.344	3.122	2.523	0.006	0.127	0.127	568.299	0.031	0.004
Welders	250	0.261	1.093	2.143	0.006	0.066	0.066	568.299	0.023	0.004
Welders	500	0.252	1.055	1.910	0.005	0.064	0.064	568.299	0.022	0.004
Water Trucks	175	0.310	3.339	2.628	0.005	0.137	0.126	470.097	0.152	0.004
Water Trucks	250	0.275	1.391	2.507	0.005	0.098	0.090	470.168	0.152	0.004
Water Trucks	500	0.246	1.414	2.347	0.005	0.086	0.079	474.579	0.154	0.004
Water Trucks	750	0.312	2.027	3.058	0.005	0.120	0.110	472.750	0.153	0.004
Water Trucks	1000	0.303	1.372	4.794	0.005	0.125	0.115	469.889	0.152	0.004

2021

2021		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.165	3.114	2.922	0.005	0.027	0.024	525.074	0.170	0.005
Aerial Lifts	25	0.165	3.114	2.922	0.005	0.027	0.024	525.074	0.170	0.005
Aerial Lifts	50	0.165	3.114	2.922	0.005	0.027	0.024	525.074	0.170	0.005
Aerial Lifts	120	0.109	3.176	1.744	0.005	0.033	0.031	472.114	0.153	0.004
Aerial Lifts	500	0.072	0.951	0.640	0.005	0.009	0.008	472.055	0.153	0.004
Aerial Lifts	750	0.187	1.004	1.610	0.005	0.050	0.050	568.299	0.016	0.004
Air Compressors	15	0.717	3.531	4.462	0.008	0.214	0.214	568.299	0.064	0.005
Air Compressors	25	0.752	2.446	4.497	0.007	0.201	0.201	568.299	0.067	0.005
Air Compressors	50	0.887	5.021	4.221	0.007	0.212	0.212	568.299	0.080	0.005
Air Compressors	120	0.442	3.670	3.083	0.006	0.190	0.190	568.299	0.039	0.004
Air Compressors	175	0.343	3.192	2.218	0.006	0.115	0.115	568.299	0.030	0.004
Air Compressors	250	0.268	1.108	1.859	0.006	0.060	0.060	568.299	0.024	0.004
Air Compressors	500	0.261	1.064	1.663	0.005	0.058	0.058	568.299	0.023	0.004
Air Compressors	750	0.262	1.064	1.699	0.005	0.058	0.058	568.299	0.023	0.004
Air Compressors	1000	0.284	1.134	3.565	0.005	0.082	0.082	568.300	0.025	0.004
Bore/Drill Rigs	15	0.711	4.548	4.634	0.006	0.291	0.268	535.378	0.173	0.005
Bore/Drill Rigs	25	0.711	4.548	4.634	0.006	0.291	0.268	535.378	0.173	0.005
Bore/Drill Rigs	50	0.711	4.548	4.634	0.006	0.291	0.268	535.378	0.173	0.005
Bore/Drill Rigs	120	0.217	3.306	2.737	0.005	0.131	0.121	464.973	0.150	0.004
Bore/Drill Rigs	175	0.154	2.961	1.598	0.005	0.070	0.064	477.048	0.154	0.004
Bore/Drill Rigs	250	0.133	1.064	1.551	0.005	0.047	0.043	467.992	0.151	0.004
Bore/Drill Rigs	500	0.117	1.015	1.221	0.005	0.041	0.038	469.816	0.152	0.004
Bore/Drill Rigs	750	0.098	0.972	0.955	0.005	0.033	0.031	474.079	0.153	0.004
Bore/Drill Rigs	1000	0.136	0.993	3.058	0.005	0.061	0.057	471.816	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.712	2.381	4.419	0.007	0.180	0.180	568.299	0.064	0.005
Concrete/Industrial Saws	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.722	4.481	4.063	0.007	0.184	0.184	568.300	0.065	0.005
Concrete/Industrial Saws	120	0.369	3.523	2.913	0.006	0.166	0.166	568.299	0.033	0.004
Concrete/Industrial Saws	175	0.286	3.072	2.055	0.006	0.101	0.101	568.299	0.025	0.004
Cranes	50	2.115	7.489	6.014	0.005	0.631	0.581	517.900	0.168	0.005
Cranes	120	0.651	4.065	5.731	0.005	0.398	0.366	469.887	0.152	0.004
Cranes	175	0.498	3.516	5.113	0.005	0.273	0.251	474.546	0.154	0.004
Cranes	250	0.350	1.678	4.104	0.005	0.167	0.153	472.906	0.153	0.004
Cranes	500	0.295	2.448	3.443	0.005	0.139	0.127	472.455	0.153	0.004
Cranes	750	0.228	1.440	2.727	0.005	0.107	0.098	470.550	0.152	0.004
Cranes	9999	0.192	1.008	2.374	0.005	0.061	0.057	472.055	0.153	0.004
Crawler Tractors	50	2.064	7.349	5.615	0.005	0.591	0.543	516.108	0.167	0.005
Crawler Tractors	120	0.673	4.005	5.657	0.005	0.466	0.429	476.437	0.154	0.004
Crawler Tractors	175	0.436	3.310	4.395	0.005	0.245	0.225	471.421	0.153	0.004
Crawler Tractors	250	0.343	1.515	4.334	0.005	0.163	0.150	472.925	0.153	0.004

2021

2021		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.283	2.024	3.276	0.005	0.129	0.119	474.484	0.154	0.004
Crawler Tractors	750	0.239	1.270	2.825	0.005	0.104	0.096	473.094	0.153	0.004
Crawler Tractors	1000	0.399	1.896	6.399	0.005	0.182	0.167	471.822	0.153	0.004
Crushing/Proc. Equipment	50	0.862	5.136	4.211	0.007	0.201	0.201	568.299	0.077	0.005
Crushing/Proc. Equipment	120	0.438	3.711	2.989	0.006	0.178	0.178	568.299	0.039	0.004
Crushing/Proc. Equipment	175	0.344	3.235	2.114	0.006	0.109	0.109	568.299	0.031	0.004
Crushing/Proc. Equipment	250	0.274	1.119	1.756	0.006	0.057	0.057	568.299	0.024	0.004
Crushing/Proc. Equipment	500	0.268	1.072	1.574	0.005	0.055	0.055	568.300	0.024	0.004
Crushing/Proc. Equipment	750	0.268	1.072	1.606	0.005	0.055	0.055	568.299	0.024	0.004
Crushing/Proc. Equipment	9999	0.314	1.136	3.487	0.005	0.080	0.080	568.299	0.028	0.004
Dumpers/Tenders	25	0.685	2.339	4.333	0.007	0.163	0.163	568.299	0.061	0.005
Excavators	25	0.562	4.461	3.919	0.005	0.202	0.186	525.377	0.170	0.005
Excavators	50	0.562	4.461	3.919	0.005	0.202	0.186	525.377	0.170	0.005
Excavators	120	0.275	3.492	2.849	0.005	0.161	0.148	467.791	0.151	0.004
Excavators	175	0.216	3.090	2.034	0.005	0.099	0.091	472.359	0.153	0.004
Excavators	250	0.163	1.103	1.706	0.005	0.052	0.048	471.793	0.153	0.004
Excavators	500	0.143	1.088	1.332	0.005	0.045	0.041	469.616	0.152	0.004
Excavators	750	0.165	1.150	1.619	0.005	0.056	0.052	469.547	0.152	0.004
Forklifts	50	1.002	5.535	4.520	0.005	0.318	0.292	525.483	0.170	0.005
Forklifts	120	0.412	3.720	3.756	0.005	0.267	0.245	471.529	0.153	0.004
Forklifts	175	0.308	3.231	2.921	0.005	0.158	0.145	472.106	0.153	0.004
Forklifts	250	0.249	1.337	2.582	0.005	0.099	0.091	473.326	0.153	0.004
Forklifts	500	0.254	1.485	2.303	0.005	0.094	0.086	473.615	0.153	0.004
Generator Sets	15	0.634	3.531	4.441	0.008	0.201	0.201	568.299	0.057	0.005
Generator Sets	25	0.712	2.446	4.497	0.007	0.196	0.196	568.299	0.064	0.005
Generator Sets	50	0.613	3.905	3.916	0.007	0.165	0.165	568.299	0.055	0.005
Generator Sets	120	0.326	3.361	2.888	0.006	0.153	0.153	568.299	0.029	0.004
Generator Sets	175	0.243	2.925	2.068	0.006	0.091	0.091	568.299	0.021	0.004
Generator Sets	250	0.183	1.016	1.730	0.006	0.049	0.049	568.299	0.016	0.004
Generator Sets	500	0.175	0.996	1.562	0.005	0.048	0.048	568.299	0.015	0.004
Generator Sets	750	0.177	0.996	1.596	0.005	0.048	0.048	568.299	0.016	0.004
Generator Sets	9999	0.220	1.060	3.372	0.005	0.070	0.070	568.300	0.019	0.004
Graders	50	2.235	7.626	5.485	0.005	0.631	0.581	492.935	0.159	0.005
Graders	120	0.901	4.452	7.125	0.005	0.570	0.524	469.070	0.152	0.004
Graders	175	0.505	3.559	4.839	0.005	0.270	0.248	478.529	0.155	0.004
Graders	250	0.335	1.307	4.381	0.005	0.139	0.128	474.539	0.154	0.004
Graders	500	0.322	1.460	3.013	0.005	0.117	0.108	471.898	0.153	0.004
Graders	750	0.303	1.207	1.808	0.005	0.064	0.064	568.299	0.027	0.004
Off-Highway Tractors	120	0.395	3.743	3.773	0.005	0.261	0.240	474.516	0.154	0.004
Off-Highway Tractors	175	0.259	3.220	2.660	0.005	0.129	0.118	472.924	0.153	0.004
Off-Highway Tractors	250	0.200	1.162	2.113	0.005	0.072	0.067	471.003	0.152	0.004
Off-Highway Tractors	750	0.181	1.122	1.715	0.005	0.063	0.058	471.806	0.153	0.004
Off-Highway Tractors	1000	0.160	1.033	2.414	0.005	0.064	0.059	472.055	0.153	0.004
Off-Highway Trucks	175	0.278	3.324	2.246	0.005	0.113	0.104	470.290	0.152	0.004
Off-Highway Trucks	250	0.249	1.348	2.109	0.005	0.082	0.076	470.193	0.152	0.004

2021

2021		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.225	1.338	1.954	0.005	0.072	0.066	474.542	0.154	0.004
Off-Highway Trucks	750	0.293	1.935	2.668	0.005	0.106	0.098	472.991	0.153	0.004
Off-Highway Trucks	1000	0.256	1.252	4.158	0.005	0.099	0.091	471.055	0.152	0.004
Other Construction Equipment	15	1.010	5.307	4.902	0.005	0.382	0.351	527.783	0.171	0.005
Other Construction Equipment	25	1.010	5.307	4.902	0.005	0.382	0.351	527.783	0.171	0.005
Other Construction Equipment	50	1.010	5.307	4.902	0.005	0.382	0.351	527.783	0.171	0.005
Other Construction Equipment	120	0.482	3.703	4.456	0.005	0.323	0.298	472.275	0.153	0.004
Other Construction Equipment	175	0.330	3.183	3.438	0.005	0.180	0.165	469.764	0.152	0.004
Other Construction Equipment	500	0.215	1.599	2.428	0.005	0.090	0.083	475.212	0.154	0.004
Other General Industrial Equipment	15	0.831	5.314	4.425	0.005	0.289	0.266	526.176	0.170	0.005
Other General Industrial Equipment	25	0.831	5.314	4.425	0.005	0.289	0.266	526.176	0.170	0.005
Other General Industrial Equipment	50	0.831	5.314	4.425	0.005	0.289	0.266	526.176	0.170	0.005
Other General Industrial Equipment	120	0.404	3.740	3.718	0.005	0.256	0.235	470.000	0.152	0.004
Other General Industrial Equipment	175	0.254	3.234	2.347	0.005	0.121	0.111	471.850	0.153	0.004
Other General Industrial Equipment	250	0.204	1.171	2.094	0.005	0.070	0.064	473.223	0.153	0.004
Other General Industrial Equipment	500	0.195	1.330	1.796	0.005	0.064	0.059	472.929	0.153	0.004
Other General Industrial Equipment	750	0.166	1.463	1.387	0.005	0.054	0.050	473.464	0.153	0.004
Other General Industrial Equipment	1000	0.276	1.093	4.876	0.005	0.120	0.110	472.055	0.153	0.004
Other Material Handling Equipment	50	1.108	5.960	4.966	0.005	0.396	0.364	523.709	0.169	0.005
Other Material Handling Equipment	120	0.294	3.602	2.956	0.005	0.166	0.152	473.588	0.153	0.004
Other Material Handling Equipment	175	0.249	3.196	2.246	0.005	0.114	0.105	472.219	0.153	0.004
Other Material Handling Equipment	250	0.269	1.309	3.082	0.005	0.102	0.094	471.482	0.153	0.004
Other Material Handling Equipment	500	0.254	1.442	2.602	0.005	0.101	0.093	470.297	0.152	0.004

2021

2021		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.073	0.972	2.318	0.005	0.020	0.018	472.055	0.153	0.004
Pavers	25	1.208	5.302	4.602	0.005	0.370	0.340	526.515	0.170	0.005
Pavers	50	1.208	5.302	4.602	0.005	0.370	0.340	526.515	0.170	0.005
Pavers	120	0.420	3.563	4.026	0.005	0.285	0.263	469.774	0.152	0.004
Pavers	175	0.256	3.016	2.695	0.005	0.130	0.120	472.555	0.153	0.004
Pavers	250	0.166	1.024	2.484	0.005	0.070	0.064	472.477	0.153	0.004
Pavers	500	0.164	0.988	2.053	0.005	0.074	0.068	465.591	0.151	0.004
Paving Equipment	25	0.587	4.211	3.882	0.005	0.200	0.184	520.397	0.168	0.005
Paving Equipment	50	0.587	4.211	3.882	0.005	0.200	0.184	520.397	0.168	0.005
Paving Equipment	120	0.355	3.554	3.451	0.005	0.219	0.202	473.221	0.153	0.004
Paving Equipment	175	0.229	3.032	2.315	0.005	0.114	0.105	470.650	0.152	0.004
Paving Equipment	250	0.211	1.209	2.582	0.005	0.092	0.085	472.151	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.634	3.531	4.441	0.008	0.201	0.201	568.299	0.057	0.005
Pressure Washers	25	0.712	2.446	4.497	0.007	0.196	0.196	568.299	0.064	0.005
Pressure Washers	50	0.439	3.329	3.765	0.007	0.136	0.136	568.299	0.039	0.005
Pressure Washers	120	0.264	3.210	2.766	0.006	0.129	0.129	568.299	0.023	0.004
Pressure Washers	175	0.238	2.907	2.118	0.006	0.093	0.093	568.299	0.021	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.717	3.531	4.462	0.008	0.214	0.214	568.299	0.064	0.005
Pumps	25	0.752	2.446	4.497	0.007	0.201	0.201	568.299	0.067	0.005
Pumps	50	0.671	4.099	3.966	0.007	0.175	0.175	568.299	0.060	0.005
Pumps	120	0.347	3.412	2.928	0.006	0.162	0.162	568.300	0.031	0.004
Pumps	175	0.260	2.968	2.101	0.006	0.096	0.096	568.299	0.023	0.004
Pumps	250	0.197	1.031	1.759	0.006	0.052	0.052	568.299	0.017	0.004
Pumps	500	0.189	1.007	1.584	0.005	0.050	0.050	568.299	0.017	0.004
Pumps	750	0.191	1.007	1.618	0.005	0.050	0.050	568.299	0.017	0.004
Pumps	9999	0.233	1.074	3.409	0.005	0.072	0.072	568.300	0.021	0.004
Rollers	15	0.848	4.597	4.351	0.005	0.294	0.270	525.791	0.170	0.005
Rollers	25	0.848	4.597	4.351	0.005	0.294	0.270	525.791	0.170	0.005
Rollers	50	0.848	4.597	4.351	0.005	0.294	0.270	525.791	0.170	0.005
Rollers	120	0.353	3.507	3.589	0.005	0.219	0.202	473.901	0.153	0.004
Rollers	175	0.193	2.926	2.117	0.005	0.097	0.090	471.980	0.153	0.004
Rollers	250	0.197	1.228	2.493	0.005	0.081	0.075	473.470	0.153	0.004
Rollers	500	0.221	1.950	2.589	0.005	0.100	0.092	479.329	0.155	0.004
Rough Terrain Forklifts	50	0.969	4.657	4.411	0.005	0.304	0.280	525.384	0.170	0.005
Rough Terrain Forklifts	120	0.175	3.252	2.285	0.005	0.089	0.082	473.110	0.153	0.004
Rough Terrain Forklifts	175	0.130	2.845	1.617	0.005	0.060	0.055	471.758	0.153	0.004
Rough Terrain Forklifts	250	0.115	0.984	1.612	0.005	0.037	0.034	472.547	0.153	0.004
Rough Terrain Forklifts	500	0.092	0.946	1.302	0.005	0.028	0.026	465.744	0.151	0.004
Rubber Tired Dozers	175	0.691	3.848	6.790	0.005	0.386	0.356	472.975	0.153	0.004
Rubber Tired Dozers	250	0.601	2.317	6.296	0.005	0.306	0.281	474.798	0.154	0.004
Rubber Tired Dozers	500	0.492	4.041	5.081	0.005	0.232	0.214	478.987	0.155	0.004
Rubber Tired Dozers	750	0.458	2.604	6.123	0.005	0.218	0.201	473.046	0.153	0.004
Rubber Tired Dozers	1000	0.497	2.057	5.095	0.005	0.150	0.150	568.299	0.044	0.004
Rubber Tired Loaders	25	1.326	6.449	4.974	0.005	0.409	0.377	524.551	0.170	0.005

2021

2021		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	1.326	6.449	4.974	0.005	0.409	0.377	524.551	0.170	0.005
Rubber Tired Loaders	120	0.498	3.892	4.215	0.005	0.316	0.291	466.421	0.151	0.004
Rubber Tired Loaders	175	0.346	3.354	3.119	0.005	0.171	0.157	471.080	0.152	0.004
Rubber Tired Loaders	250	0.266	1.240	2.998	0.005	0.100	0.092	469.564	0.152	0.004
Rubber Tired Loaders	500	0.264	1.529	2.610	0.005	0.097	0.090	467.928	0.151	0.004
Rubber Tired Loaders	750	0.271	1.397	2.641	0.005	0.102	0.094	462.055	0.149	0.004
Rubber Tired Loaders	1000	0.294	1.206	4.975	0.005	0.128	0.118	471.258	0.152	0.004
Scrapers	120	0.704	4.218	6.659	0.005	0.512	0.471	483.713	0.156	0.004
Scrapers	175	0.432	3.456	4.341	0.005	0.232	0.213	478.654	0.155	0.004
Scrapers	250	0.391	1.884	4.367	0.005	0.189	0.174	469.126	0.152	0.004
Scrapers	500	0.299	2.255	3.445	0.005	0.134	0.123	472.464	0.153	0.004
Scrapers	750	0.250	1.658	2.887	0.005	0.105	0.097	471.786	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.714	4.380	4.002	0.007	0.179	0.179	568.299	0.064	0.005
Signal Boards	120	0.363	3.493	2.889	0.006	0.162	0.162	568.299	0.032	0.004
Signal Boards	175	0.278	3.043	2.043	0.006	0.098	0.098	568.299	0.025	0.004
Signal Boards	250	0.260	1.273	2.053	0.007	0.063	0.063	686.695	0.023	0.004
Skid Steer Loaders	25	0.409	3.732	3.573	0.005	0.126	0.116	527.450	0.171	0.005
Skid Steer Loaders	50	0.409	3.732	3.573	0.005	0.126	0.116	527.450	0.171	0.005
Skid Steer Loaders	120	0.178	3.277	2.366	0.005	0.096	0.089	471.977	0.153	0.004
Surfacing Equipment	50	0.507	3.932	4.189	0.006	0.204	0.188	535.784	0.173	0.005
Surfacing Equipment	120	0.312	3.436	3.461	0.005	0.191	0.175	474.091	0.153	0.004
Surfacing Equipment	175	0.258	2.919	3.099	0.005	0.145	0.134	469.169	0.152	0.004
Surfacing Equipment	250	0.207	1.219	2.994	0.005	0.092	0.085	476.802	0.154	0.004
Surfacing Equipment	500	0.141	1.202	1.753	0.005	0.064	0.058	471.748	0.153	0.004
Surfacing Equipment	750	0.125	0.992	1.597	0.005	0.062	0.057	470.409	0.152	0.004
Sweepers/Scrubbers	15	1.219	5.900	4.849	0.005	0.412	0.379	525.328	0.170	0.005
Sweepers/Scrubbers	25	1.219	5.900	4.849	0.005	0.412	0.379	525.328	0.170	0.005
Sweepers/Scrubbers	50	1.219	5.900	4.849	0.005	0.412	0.379	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.440	3.757	3.962	0.005	0.291	0.268	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.385	3.247	3.707	0.005	0.187	0.172	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.164	1.108	1.758	0.005	0.055	0.051	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.756	4.902	4.226	0.005	0.255	0.234	515.121	0.167	0.005
Tractors/Loaders/Backhoes	50	0.756	4.902	4.226	0.005	0.255	0.234	515.121	0.167	0.005
Tractors/Loaders/Backhoes	120	0.296	3.571	2.995	0.005	0.177	0.163	475.362	0.154	0.004
Tractors/Loaders/Backhoes	175	0.221	3.091	2.062	0.005	0.104	0.096	467.529	0.151	0.004
Tractors/Loaders/Backhoes	250	0.209	1.186	2.369	0.005	0.080	0.074	470.572	0.152	0.004
Tractors/Loaders/Backhoes	500	0.179	1.341	1.776	0.005	0.064	0.059	469.303	0.152	0.004
Tractors/Loaders/Backhoes	750	0.247	1.433	2.754	0.005	0.104	0.096	466.456	0.151	0.004
Trenchers	15	0.809	4.666	4.459	0.005	0.313	0.288	527.017	0.170	0.005

2021

2021		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.809	4.666	4.459	0.005	0.313	0.288	527.017	0.170	0.005
Trenchers	50	0.809	4.666	4.459	0.005	0.313	0.288	527.017	0.170	0.005
Trenchers	120	0.556	3.789	5.106	0.005	0.371	0.341	475.287	0.154	0.004
Trenchers	175	0.407	3.304	4.272	0.005	0.219	0.201	467.734	0.151	0.004
Trenchers	250	0.356	1.668	4.360	0.005	0.172	0.158	473.854	0.153	0.004
Trenchers	500	0.221	1.865	2.491	0.005	0.100	0.092	470.701	0.152	0.004
Trenchers	750	0.066	0.947	0.475	0.005	0.009	0.008	472.529	0.153	0.004
Welders	15	0.717	3.531	4.462	0.008	0.214	0.214	568.299	0.064	0.005
Welders	25	0.752	2.446	4.497	0.007	0.201	0.201	568.299	0.067	0.005
Welders	50	0.829	4.708	4.133	0.007	0.203	0.203	568.299	0.074	0.005
Welders	120	0.411	3.579	3.042	0.006	0.184	0.184	568.299	0.037	0.004
Welders	175	0.315	3.112	2.189	0.006	0.110	0.110	568.299	0.028	0.004
Welders	250	0.243	1.081	1.836	0.006	0.057	0.057	568.299	0.021	0.004
Welders	500	0.236	1.044	1.642	0.005	0.055	0.055	568.299	0.021	0.004
Water Trucks	175	0.278	3.324	2.246	0.005	0.113	0.104	470.290	0.152	0.004
Water Trucks	250	0.249	1.348	2.109	0.005	0.082	0.076	470.193	0.152	0.004
Water Trucks	500	0.225	1.338	1.954	0.005	0.072	0.066	474.542	0.154	0.004
Water Trucks	750	0.293	1.935	2.668	0.005	0.106	0.098	472.991	0.153	0.004
Water Trucks	1000	0.256	1.252	4.158	0.005	0.099	0.091	471.055	0.152	0.004

2022

2022		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.162	3.112	2.907	0.005	0.024	0.022	525.074	0.170	0.005
Aerial Lifts	25	0.162	3.112	2.907	0.005	0.024	0.022	525.074	0.170	0.005
Aerial Lifts	50	0.162	3.112	2.907	0.005	0.024	0.022	525.074	0.170	0.005
Aerial Lifts	120	0.105	3.176	1.627	0.005	0.030	0.028	472.114	0.153	0.004
Aerial Lifts	500	0.075	0.956	0.642	0.005	0.009	0.008	472.055	0.153	0.004
Aerial Lifts	750	0.177	0.998	1.424	0.005	0.044	0.044	568.299	0.016	0.004
Air Compressors	15	0.707	3.519	4.408	0.008	0.203	0.203	568.299	0.063	0.005
Air Compressors	25	0.739	2.426	4.470	0.007	0.193	0.193	568.299	0.066	0.005
Air Compressors	50	0.814	4.959	4.093	0.007	0.183	0.183	568.299	0.073	0.005
Air Compressors	120	0.413	3.662	2.844	0.006	0.165	0.165	568.299	0.037	0.004
Air Compressors	175	0.322	3.194	1.959	0.006	0.101	0.101	568.299	0.029	0.004
Air Compressors	250	0.255	1.102	1.617	0.006	0.052	0.052	568.300	0.023	0.004
Air Compressors	500	0.249	1.059	1.472	0.005	0.051	0.051	568.299	0.022	0.004
Air Compressors	750	0.250	1.059	1.502	0.005	0.051	0.051	568.299	0.022	0.004
Air Compressors	1000	0.269	1.117	3.378	0.005	0.075	0.075	568.300	0.024	0.004
Bore/Drill Rigs	15	0.631	4.334	4.285	0.006	0.241	0.221	529.870	0.171	0.005
Bore/Drill Rigs	25	0.631	4.334	4.285	0.006	0.241	0.221	529.870	0.171	0.005
Bore/Drill Rigs	50	0.631	4.334	4.285	0.006	0.241	0.221	529.870	0.171	0.005
Bore/Drill Rigs	120	0.191	3.260	2.425	0.005	0.107	0.099	462.267	0.150	0.004
Bore/Drill Rigs	175	0.137	2.954	1.288	0.005	0.057	0.052	477.372	0.154	0.004
Bore/Drill Rigs	250	0.115	1.047	1.163	0.005	0.037	0.034	468.760	0.152	0.004
Bore/Drill Rigs	500	0.108	1.002	1.035	0.005	0.035	0.032	467.192	0.151	0.004
Bore/Drill Rigs	750	0.091	0.975	0.773	0.005	0.028	0.026	477.141	0.154	0.004
Bore/Drill Rigs	1000	0.057	0.945	2.278	0.005	0.018	0.017	472.921	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.704	2.367	4.399	0.007	0.175	0.175	568.299	0.063	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.660	4.422	3.936	0.007	0.158	0.158	568.300	0.059	0.005
Concrete/Industrial Saws	120	0.343	3.514	2.686	0.006	0.144	0.144	568.299	0.031	0.004
Concrete/Industrial Saws	175	0.267	3.072	1.806	0.006	0.089	0.089	568.300	0.024	0.004
Cranes	50	2.028	7.368	5.899	0.005	0.603	0.555	517.872	0.168	0.005
Cranes	120	0.578	3.972	5.149	0.005	0.346	0.318	469.993	0.152	0.004
Cranes	175	0.457	3.475	4.617	0.005	0.246	0.227	474.589	0.154	0.004
Cranes	250	0.316	1.602	3.541	0.005	0.147	0.135	472.983	0.153	0.004
Cranes	500	0.261	2.212	2.894	0.005	0.117	0.108	472.181	0.153	0.004
Cranes	750	0.200	1.283	2.251	0.005	0.089	0.082	470.476	0.152	0.004
Cranes	9999	0.201	1.015	2.386	0.005	0.062	0.057	472.055	0.153	0.004
Crawler Tractors	50	1.899	7.041	5.380	0.005	0.539	0.496	516.148	0.167	0.005
Crawler Tractors	120	0.600	3.925	5.101	0.005	0.408	0.375	476.022	0.154	0.004
Crawler Tractors	175	0.389	3.264	3.827	0.005	0.214	0.197	471.567	0.153	0.004
Crawler Tractors	250	0.306	1.440	3.737	0.005	0.141	0.130	472.098	0.153	0.004

2022

2022		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.254	1.916	2.744	0.005	0.111	0.102	474.412	0.153	0.004
Crawler Tractors	750	0.198	1.186	2.126	0.005	0.079	0.073	472.876	0.153	0.004
Crawler Tractors	1000	0.357	1.732	5.923	0.005	0.162	0.149	470.701	0.152	0.004
Crushing/Proc. Equipment	50	0.795	5.081	4.083	0.007	0.172	0.172	568.299	0.071	0.005
Crushing/Proc. Equipment	120	0.410	3.704	2.758	0.006	0.154	0.154	568.299	0.037	0.004
Crushing/Proc. Equipment	175	0.323	3.237	1.861	0.006	0.095	0.095	568.299	0.029	0.004
Crushing/Proc. Equipment	250	0.260	1.114	1.521	0.006	0.050	0.050	568.299	0.023	0.004
Crushing/Proc. Equipment	500	0.255	1.067	1.389	0.005	0.048	0.048	568.299	0.023	0.004
Crushing/Proc. Equipment	750	0.256	1.067	1.416	0.005	0.048	0.048	568.299	0.023	0.004
Crushing/Proc. Equipment	9999	0.300	1.121	3.310	0.005	0.073	0.073	568.299	0.027	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Excavators	25	0.478	4.273	3.700	0.005	0.160	0.147	525.447	0.170	0.005
Excavators	50	0.478	4.273	3.700	0.005	0.160	0.147	525.447	0.170	0.005
Excavators	120	0.252	3.473	2.606	0.005	0.138	0.127	467.626	0.151	0.004
Excavators	175	0.191	3.074	1.678	0.005	0.081	0.075	472.192	0.153	0.004
Excavators	250	0.148	1.092	1.386	0.005	0.044	0.040	472.041	0.153	0.004
Excavators	500	0.128	1.061	1.040	0.005	0.035	0.032	469.711	0.152	0.004
Excavators	750	0.150	1.144	1.287	0.005	0.047	0.043	469.289	0.152	0.004
Forklifts	50	0.859	5.304	4.312	0.005	0.270	0.248	525.483	0.170	0.005
Forklifts	120	0.362	3.675	3.360	0.005	0.223	0.205	471.529	0.153	0.004
Forklifts	175	0.273	3.197	2.480	0.005	0.132	0.122	472.106	0.153	0.004
Forklifts	250	0.236	1.317	2.319	0.005	0.090	0.083	473.326	0.153	0.004
Forklifts	500	0.232	1.219	1.991	0.005	0.077	0.071	473.615	0.153	0.004
Generator Sets	15	0.626	3.519	4.390	0.008	0.193	0.193	568.299	0.056	0.005
Generator Sets	25	0.706	2.426	4.470	0.007	0.188	0.188	568.299	0.063	0.005
Generator Sets	50	0.560	3.858	3.796	0.007	0.143	0.143	568.299	0.050	0.005
Generator Sets	120	0.301	3.353	2.671	0.006	0.134	0.134	568.299	0.027	0.004
Generator Sets	175	0.226	2.926	1.830	0.006	0.081	0.081	568.299	0.020	0.004
Generator Sets	250	0.173	1.010	1.508	0.006	0.043	0.043	568.299	0.015	0.004
Generator Sets	500	0.166	0.990	1.384	0.005	0.042	0.042	568.299	0.015	0.004
Generator Sets	750	0.168	0.990	1.412	0.005	0.043	0.043	568.299	0.015	0.004
Generator Sets	9999	0.206	1.045	3.202	0.005	0.063	0.063	568.299	0.018	0.004
Graders	50	2.106	7.428	5.332	0.005	0.595	0.547	493.025	0.160	0.005
Graders	120	0.796	4.330	6.360	0.005	0.493	0.453	469.630	0.152	0.004
Graders	175	0.440	3.493	4.125	0.005	0.229	0.211	478.566	0.155	0.004
Graders	250	0.307	1.273	3.888	0.005	0.124	0.114	474.239	0.153	0.004
Graders	500	0.311	1.390	2.802	0.005	0.108	0.100	471.928	0.153	0.004
Graders	750	0.289	1.187	1.606	0.005	0.057	0.057	568.299	0.026	0.004
Off-Highway Tractors	120	0.348	3.710	3.400	0.005	0.219	0.202	475.234	0.154	0.004
Off-Highway Tractors	175	0.231	3.186	2.239	0.005	0.107	0.099	472.811	0.153	0.004
Off-Highway Tractors	250	0.180	1.143	1.732	0.005	0.060	0.055	471.131	0.152	0.004
Off-Highway Tractors	750	0.171	1.121	1.433	0.005	0.055	0.050	471.939	0.153	0.004
Off-Highway Tractors	1000	0.170	1.044	2.432	0.005	0.066	0.060	472.055	0.153	0.004
Off-Highway Trucks	175	0.241	3.284	1.811	0.005	0.088	0.081	470.181	0.152	0.004
Off-Highway Trucks	250	0.215	1.279	1.618	0.005	0.064	0.059	469.615	0.152	0.004

2022

2022		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.196	1.247	1.490	0.005	0.054	0.050	474.714	0.154	0.004
Off-Highway Trucks	750	0.263	1.746	2.268	0.005	0.088	0.081	473.977	0.153	0.004
Off-Highway Trucks	1000	0.234	1.214	3.842	0.005	0.086	0.079	472.344	0.153	0.004
Other Construction Equipment	15	0.920	5.167	4.741	0.005	0.348	0.320	529.183	0.171	0.005
Other Construction Equipment	25	0.920	5.167	4.741	0.005	0.348	0.320	529.183	0.171	0.005
Other Construction Equipment	50	0.920	5.167	4.741	0.005	0.348	0.320	529.183	0.171	0.005
Other Construction Equipment	120	0.440	3.666	4.098	0.005	0.288	0.265	472.318	0.153	0.004
Other Construction Equipment	175	0.295	3.155	2.994	0.005	0.156	0.144	469.613	0.152	0.004
Other Construction Equipment	500	0.188	1.438	1.975	0.005	0.074	0.068	475.998	0.154	0.004
Other General Industrial Equipment	15	0.702	5.076	4.197	0.005	0.238	0.219	526.176	0.170	0.005
Other General Industrial Equipment	25	0.702	5.076	4.197	0.005	0.238	0.219	526.176	0.170	0.005
Other General Industrial Equipment	50	0.702	5.076	4.197	0.005	0.238	0.219	526.176	0.170	0.005
Other General Industrial Equipment	120	0.339	3.668	3.200	0.005	0.199	0.183	470.000	0.152	0.004
Other General Industrial Equipment	175	0.244	3.233	2.150	0.005	0.111	0.102	471.850	0.153	0.004
Other General Industrial Equipment	250	0.187	1.138	1.759	0.005	0.057	0.052	473.223	0.153	0.004
Other General Industrial Equipment	500	0.175	1.171	1.433	0.005	0.050	0.046	472.929	0.153	0.004
Other General Industrial Equipment	750	0.149	1.457	1.062	0.005	0.046	0.042	473.464	0.153	0.004
Other General Industrial Equipment	1000	0.187	1.039	3.942	0.005	0.079	0.073	472.055	0.153	0.004
Other Material Handling Equipment	50	1.103	5.984	4.920	0.005	0.385	0.354	523.709	0.169	0.005
Other Material Handling Equipment	120	0.247	3.557	2.567	0.005	0.121	0.111	473.588	0.153	0.004
Other Material Handling Equipment	175	0.226	3.176	1.894	0.005	0.103	0.095	472.219	0.153	0.004
Other Material Handling Equipment	250	0.229	1.239	2.425	0.005	0.083	0.076	471.482	0.153	0.004
Other Material Handling Equipment	500	0.226	1.346	2.063	0.005	0.083	0.077	470.297	0.152	0.004

2022

2022		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.076	0.978	2.328	0.005	0.020	0.018	472.055	0.153	0.004
Pavers	25	1.092	5.114	4.421	0.005	0.330	0.303	526.896	0.170	0.005
Pavers	50	1.092	5.114	4.421	0.005	0.330	0.303	526.896	0.170	0.005
Pavers	120	0.373	3.525	3.659	0.005	0.248	0.228	470.185	0.152	0.004
Pavers	175	0.215	2.995	2.180	0.005	0.104	0.095	472.760	0.153	0.004
Pavers	250	0.140	1.012	1.900	0.005	0.055	0.050	472.372	0.153	0.004
Pavers	500	0.150	0.982	1.810	0.005	0.063	0.058	466.004	0.151	0.004
Paving Equipment	25	0.572	4.244	3.836	0.005	0.188	0.173	520.659	0.168	0.005
Paving Equipment	50	0.572	4.244	3.836	0.005	0.188	0.173	520.659	0.168	0.005
Paving Equipment	120	0.296	3.501	3.000	0.005	0.171	0.157	473.448	0.153	0.004
Paving Equipment	175	0.213	3.038	2.073	0.005	0.101	0.093	470.665	0.152	0.004
Paving Equipment	250	0.196	1.204	2.228	0.005	0.083	0.076	472.169	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.626	3.519	4.390	0.008	0.193	0.193	568.299	0.056	0.005
Pressure Washers	25	0.706	2.426	4.470	0.007	0.188	0.188	568.299	0.063	0.005
Pressure Washers	50	0.398	3.291	3.649	0.007	0.117	0.117	568.300	0.035	0.005
Pressure Washers	120	0.241	3.202	2.560	0.006	0.112	0.112	568.299	0.021	0.004
Pressure Washers	175	0.221	2.907	1.871	0.006	0.082	0.082	568.299	0.019	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.707	3.519	4.408	0.008	0.203	0.203	568.299	0.063	0.005
Pumps	25	0.739	2.426	4.470	0.007	0.193	0.193	568.299	0.066	0.005
Pumps	50	0.614	4.048	3.846	0.007	0.152	0.152	568.299	0.055	0.005
Pumps	120	0.321	3.404	2.708	0.006	0.142	0.142	568.299	0.029	0.004
Pumps	175	0.242	2.969	1.860	0.006	0.085	0.085	568.299	0.021	0.004
Pumps	250	0.186	1.025	1.534	0.006	0.045	0.045	568.299	0.016	0.004
Pumps	500	0.180	1.001	1.404	0.005	0.044	0.044	568.300	0.016	0.004
Pumps	750	0.181	1.001	1.432	0.005	0.044	0.044	568.300	0.016	0.004
Pumps	9999	0.219	1.058	3.236	0.005	0.065	0.065	568.299	0.019	0.004
Rollers	15	0.738	4.402	4.128	0.005	0.250	0.230	525.691	0.170	0.005
Rollers	25	0.738	4.402	4.128	0.005	0.250	0.230	525.691	0.170	0.005
Rollers	50	0.738	4.402	4.128	0.005	0.250	0.230	525.691	0.170	0.005
Rollers	120	0.310	3.470	3.219	0.005	0.186	0.171	473.929	0.153	0.004
Rollers	175	0.164	2.913	1.714	0.005	0.079	0.072	471.948	0.153	0.004
Rollers	250	0.187	1.228	2.212	0.005	0.077	0.071	473.514	0.153	0.004
Rollers	500	0.218	1.955	2.463	0.005	0.097	0.089	478.982	0.155	0.004
Rough Terrain Forklifts	50	0.789	4.304	4.041	0.005	0.238	0.219	525.015	0.170	0.005
Rough Terrain Forklifts	120	0.159	3.244	2.098	0.005	0.073	0.067	473.089	0.153	0.004
Rough Terrain Forklifts	175	0.120	2.844	1.405	0.005	0.051	0.047	471.677	0.153	0.004
Rough Terrain Forklifts	250	0.119	0.989	1.617	0.005	0.037	0.034	472.541	0.153	0.004
Rough Terrain Forklifts	500	0.068	0.937	0.558	0.005	0.009	0.008	466.560	0.151	0.004
Rubber Tired Dozers	175	0.600	3.752	5.808	0.005	0.326	0.300	473.912	0.153	0.004
Rubber Tired Dozers	250	0.480	2.056	5.046	0.005	0.240	0.220	474.617	0.154	0.004
Rubber Tired Dozers	500	0.475	3.895	4.808	0.005	0.220	0.202	479.311	0.155	0.004
Rubber Tired Dozers	750	0.460	2.607	6.122	0.005	0.218	0.201	473.035	0.153	0.004
Rubber Tired Dozers	1000	0.475	1.961	4.896	0.005	0.140	0.140	568.299	0.042	0.004
Rubber Tired Loaders	25	1.179	6.204	4.748	0.005	0.354	0.326	524.791	0.170	0.005

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2022		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	1.179	6.204	4.748	0.005	0.354	0.326	524.791	0.170	0.005
Rubber Tired Loaders	120	0.440	3.839	3.768	0.005	0.267	0.245	466.494	0.151	0.004
Rubber Tired Loaders	175	0.295	3.302	2.518	0.005	0.136	0.125	470.927	0.152	0.004
Rubber Tired Loaders	250	0.226	1.188	2.347	0.005	0.079	0.072	469.904	0.152	0.004
Rubber Tired Loaders	500	0.237	1.441	2.175	0.005	0.081	0.075	468.129	0.151	0.004
Rubber Tired Loaders	750	0.233	1.315	2.097	0.005	0.080	0.074	463.819	0.150	0.004
Rubber Tired Loaders	1000	0.193	1.162	3.617	0.005	0.075	0.069	472.858	0.153	0.004
Scrapers	120	0.681	4.205	6.455	0.005	0.494	0.454	483.448	0.156	0.004
Scrapers	175	0.390	3.417	3.833	0.005	0.204	0.187	478.741	0.155	0.004
Scrapers	250	0.341	1.743	3.669	0.005	0.160	0.147	469.269	0.152	0.004
Scrapers	500	0.264	2.052	2.879	0.005	0.112	0.103	473.230	0.153	0.004
Scrapers	750	0.224	1.508	2.475	0.005	0.090	0.083	471.279	0.152	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.300	0.059	0.005
Signal Boards	50	0.655	4.325	3.880	0.007	0.154	0.154	568.299	0.059	0.005
Signal Boards	120	0.337	3.484	2.668	0.006	0.141	0.141	568.299	0.030	0.004
Signal Boards	175	0.260	3.044	1.801	0.006	0.086	0.086	568.299	0.023	0.004
Signal Boards	250	0.247	1.266	1.782	0.007	0.055	0.055	686.695	0.022	0.004
Skid Steer Loaders	25	0.365	3.656	3.433	0.005	0.103	0.095	527.273	0.171	0.005
Skid Steer Loaders	50	0.365	3.656	3.433	0.005	0.103	0.095	527.273	0.171	0.005
Skid Steer Loaders	120	0.164	3.270	2.189	0.005	0.081	0.075	472.432	0.153	0.004
Surfacing Equipment	50	0.428	3.772	3.911	0.006	0.154	0.142	535.836	0.173	0.005
Surfacing Equipment	120	0.293	3.409	3.250	0.005	0.175	0.161	473.636	0.153	0.004
Surfacing Equipment	175	0.239	2.910	2.701	0.005	0.130	0.120	469.126	0.152	0.004
Surfacing Equipment	250	0.196	1.217	2.667	0.005	0.085	0.078	476.951	0.154	0.004
Surfacing Equipment	500	0.132	1.160	1.557	0.005	0.057	0.053	470.525	0.152	0.004
Surfacing Equipment	750	0.115	0.988	1.355	0.005	0.052	0.048	470.400	0.152	0.004
Sweepers/Scrubbers	15	1.008	5.451	4.490	0.005	0.335	0.308	525.328	0.170	0.005
Sweepers/Scrubbers	25	1.008	5.451	4.490	0.005	0.335	0.308	525.328	0.170	0.005
Sweepers/Scrubbers	50	1.008	5.451	4.490	0.005	0.335	0.308	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.372	3.692	3.472	0.005	0.232	0.214	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.321	3.222	3.002	0.005	0.145	0.133	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.152	1.101	1.605	0.005	0.050	0.046	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.688	4.760	4.030	0.005	0.218	0.200	514.461	0.166	0.005
Tractors/Loaders/Backhoes	50	0.688	4.760	4.030	0.005	0.218	0.200	514.461	0.166	0.005
Tractors/Loaders/Backhoes	120	0.260	3.536	2.647	0.005	0.142	0.131	475.898	0.154	0.004
Tractors/Loaders/Backhoes	175	0.200	3.079	1.753	0.005	0.089	0.082	467.800	0.151	0.004
Tractors/Loaders/Backhoes	250	0.187	1.162	1.943	0.005	0.067	0.062	470.124	0.152	0.004
Tractors/Loaders/Backhoes	500	0.160	1.280	1.437	0.005	0.053	0.049	469.256	0.152	0.004
Tractors/Loaders/Backhoes	750	0.232	1.353	2.453	0.005	0.094	0.087	466.633	0.151	0.004
Trenchers	15	0.722	4.518	4.269	0.005	0.275	0.253	527.026	0.171	0.005

2022

2022		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.722	4.518	4.269	0.005	0.275	0.253	527.026	0.171	0.005
Trenchers	50	0.722	4.518	4.269	0.005	0.275	0.253	527.026	0.171	0.005
Trenchers	120	0.529	3.778	4.913	0.005	0.348	0.320	475.326	0.154	0.004
Trenchers	175	0.396	3.313	4.103	0.005	0.212	0.195	467.734	0.151	0.004
Trenchers	250	0.335	1.663	3.853	0.005	0.161	0.148	473.851	0.153	0.004
Trenchers	500	0.212	1.872	2.212	0.005	0.094	0.086	470.585	0.152	0.004
Trenchers	750	0.057	0.945	0.301	0.005	0.009	0.008	474.289	0.153	0.004
Welders	15	0.707	3.519	4.408	0.008	0.203	0.203	568.300	0.063	0.005
Welders	25	0.739	2.426	4.470	0.007	0.193	0.193	568.299	0.066	0.005
Welders	50	0.758	4.645	4.007	0.007	0.175	0.175	568.299	0.068	0.005
Welders	120	0.382	3.570	2.808	0.006	0.160	0.160	568.299	0.034	0.004
Welders	175	0.295	3.113	1.935	0.006	0.097	0.097	568.300	0.026	0.004
Welders	250	0.231	1.074	1.598	0.006	0.050	0.050	568.299	0.020	0.004
Welders	500	0.225	1.038	1.454	0.005	0.049	0.049	568.300	0.020	0.004
Water Trucks	175	0.241	3.284	1.811	0.005	0.088	0.081	470.181	0.152	0.004
Water Trucks	250	0.215	1.279	1.618	0.005	0.064	0.059	469.615	0.152	0.004
Water Trucks	500	0.196	1.247	1.490	0.005	0.054	0.050	474.714	0.154	0.004
Water Trucks	750	0.263	1.746	2.268	0.005	0.088	0.081	473.977	0.153	0.004
Water Trucks	1000	0.234	1.214	3.842	0.005	0.086	0.079	472.344	0.153	0.004

2023

2023		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.163	3.122	2.897	0.005	0.023	0.021	525.074	0.170	0.005
Aerial Lifts	25	0.163	3.122	2.897	0.005	0.023	0.021	525.074	0.170	0.005
Aerial Lifts	50	0.163	3.122	2.897	0.005	0.023	0.021	525.074	0.170	0.005
Aerial Lifts	120	0.101	3.170	1.548	0.005	0.027	0.025	472.114	0.153	0.004
Aerial Lifts	500	0.079	0.961	0.645	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.169	0.995	1.265	0.005	0.038	0.038	568.299	0.015	0.004
Air Compressors	15	0.698	3.508	4.359	0.008	0.194	0.194	568.299	0.063	0.005
Air Compressors	25	0.728	2.407	4.447	0.007	0.186	0.186	568.299	0.065	0.005
Air Compressors	50	0.753	4.913	3.975	0.007	0.156	0.156	568.299	0.067	0.005
Air Compressors	120	0.387	3.657	2.631	0.006	0.143	0.143	568.299	0.034	0.004
Air Compressors	175	0.303	3.197	1.748	0.006	0.089	0.089	568.299	0.027	0.004
Air Compressors	250	0.243	1.099	1.420	0.006	0.045	0.045	568.299	0.021	0.004
Air Compressors	500	0.238	1.055	1.305	0.005	0.044	0.044	568.299	0.021	0.004
Air Compressors	750	0.239	1.055	1.331	0.005	0.044	0.044	568.299	0.021	0.004
Air Compressors	1000	0.256	1.102	3.221	0.005	0.068	0.068	568.299	0.023	0.004
Bore/Drill Rigs	15	0.606	4.311	4.208	0.006	0.226	0.208	531.986	0.172	0.005
Bore/Drill Rigs	25	0.606	4.311	4.208	0.006	0.226	0.208	531.986	0.172	0.005
Bore/Drill Rigs	50	0.606	4.311	4.208	0.006	0.226	0.208	531.986	0.172	0.005
Bore/Drill Rigs	120	0.187	3.258	2.357	0.005	0.102	0.093	461.214	0.149	0.004
Bore/Drill Rigs	175	0.125	2.969	1.078	0.005	0.048	0.044	479.647	0.155	0.004
Bore/Drill Rigs	250	0.110	1.043	1.047	0.005	0.034	0.031	469.706	0.152	0.004
Bore/Drill Rigs	500	0.101	0.989	0.898	0.005	0.030	0.028	464.041	0.150	0.004
Bore/Drill Rigs	750	0.091	0.982	0.717	0.005	0.026	0.024	479.220	0.155	0.004
Bore/Drill Rigs	1000	0.053	0.936	2.262	0.005	0.018	0.016	472.020	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.697	2.356	4.382	0.007	0.172	0.172	568.299	0.062	0.005
Concrete/Industrial Saws	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.606	4.372	3.815	0.007	0.134	0.134	568.299	0.054	0.005
Concrete/Industrial Saws	120	0.320	3.507	2.478	0.006	0.123	0.123	568.300	0.028	0.004
Concrete/Industrial Saws	175	0.250	3.072	1.599	0.006	0.077	0.077	568.299	0.022	0.004
Cranes	50	2.047	7.453	5.923	0.005	0.608	0.559	517.872	0.168	0.005
Cranes	120	0.552	3.944	4.875	0.005	0.323	0.297	469.889	0.152	0.004
Cranes	175	0.423	3.443	4.222	0.005	0.224	0.206	474.595	0.154	0.004
Cranes	250	0.297	1.553	3.229	0.005	0.135	0.124	472.974	0.153	0.004
Cranes	500	0.236	2.010	2.511	0.005	0.102	0.093	472.294	0.153	0.004
Cranes	750	0.195	1.282	2.073	0.005	0.084	0.077	470.251	0.152	0.004
Cranes	9999	0.211	1.023	2.399	0.005	0.063	0.058	472.055	0.153	0.004
Crawler Tractors	50	1.873	7.027	5.325	0.005	0.526	0.484	516.159	0.167	0.005
Crawler Tractors	120	0.558	3.889	4.762	0.005	0.373	0.343	476.158	0.154	0.004
Crawler Tractors	175	0.347	3.235	3.330	0.005	0.185	0.170	471.781	0.153	0.004
Crawler Tractors	250	0.276	1.395	3.187	0.005	0.124	0.114	471.624	0.153	0.004

2023

2023		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.241	1.852	2.476	0.005	0.102	0.094	474.613	0.154	0.004
Crawler Tractors	750	0.184	1.159	1.867	0.005	0.069	0.064	472.530	0.153	0.004
Crawler Tractors	1000	0.268	1.610	4.770	0.005	0.118	0.109	473.666	0.153	0.004
Crushing/Proc. Equipment	50	0.739	5.039	3.962	0.007	0.146	0.146	568.299	0.066	0.005
Crushing/Proc. Equipment	120	0.385	3.700	2.552	0.006	0.132	0.132	568.299	0.034	0.004
Crushing/Proc. Equipment	175	0.304	3.240	1.654	0.006	0.083	0.083	568.299	0.027	0.004
Crushing/Proc. Equipment	250	0.248	1.111	1.330	0.006	0.043	0.043	568.299	0.022	0.004
Crushing/Proc. Equipment	500	0.244	1.064	1.227	0.005	0.042	0.042	568.299	0.022	0.004
Crushing/Proc. Equipment	750	0.244	1.065	1.251	0.005	0.042	0.042	568.300	0.022	0.004
Crushing/Proc. Equipment	9999	0.287	1.107	3.160	0.005	0.066	0.066	568.299	0.025	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Excavators	25	0.450	4.234	3.594	0.005	0.139	0.128	525.429	0.170	0.005
Excavators	50	0.450	4.234	3.594	0.005	0.139	0.128	525.429	0.170	0.005
Excavators	120	0.230	3.454	2.381	0.005	0.116	0.107	467.157	0.151	0.004
Excavators	175	0.178	3.076	1.462	0.005	0.072	0.066	472.277	0.153	0.004
Excavators	250	0.142	1.090	1.209	0.005	0.039	0.036	472.213	0.153	0.004
Excavators	500	0.122	1.051	0.893	0.005	0.030	0.028	469.889	0.152	0.004
Excavators	750	0.144	1.132	1.159	0.005	0.043	0.040	468.683	0.152	0.004
Forklifts	50	0.766	5.166	4.152	0.005	0.232	0.213	525.483	0.170	0.005
Forklifts	120	0.327	3.647	3.057	0.005	0.189	0.174	471.529	0.153	0.004
Forklifts	175	0.244	3.180	2.112	0.005	0.111	0.102	472.106	0.153	0.004
Forklifts	250	0.204	1.235	1.807	0.005	0.069	0.063	473.326	0.153	0.004
Forklifts	500	0.220	1.216	1.788	0.005	0.069	0.063	473.615	0.153	0.004
Generator Sets	15	0.618	3.508	4.345	0.008	0.186	0.186	568.299	0.055	0.005
Generator Sets	25	0.701	2.407	4.447	0.007	0.182	0.182	568.299	0.063	0.005
Generator Sets	50	0.514	3.819	3.685	0.007	0.124	0.124	568.299	0.046	0.005
Generator Sets	120	0.279	3.347	2.477	0.006	0.117	0.117	568.299	0.025	0.004
Generator Sets	175	0.211	2.927	1.635	0.006	0.071	0.071	568.299	0.019	0.004
Generator Sets	250	0.164	1.006	1.328	0.006	0.038	0.038	568.299	0.014	0.004
Generator Sets	500	0.158	0.986	1.228	0.005	0.037	0.037	568.299	0.014	0.004
Generator Sets	750	0.160	0.986	1.253	0.005	0.037	0.037	568.299	0.014	0.004
Generator Sets	9999	0.194	1.031	3.058	0.005	0.058	0.058	568.299	0.017	0.004
Graders	50	1.947	7.191	5.148	0.005	0.549	0.505	494.020	0.160	0.005
Graders	120	0.719	4.228	5.740	0.005	0.436	0.401	469.286	0.152	0.004
Graders	175	0.390	3.450	3.548	0.005	0.195	0.180	478.463	0.155	0.004
Graders	250	0.284	1.252	3.441	0.005	0.112	0.103	473.926	0.153	0.004
Graders	500	0.309	1.385	2.705	0.005	0.105	0.097	471.031	0.152	0.004
Graders	750	0.276	1.170	1.425	0.005	0.051	0.051	568.300	0.024	0.004
Off-Highway Tractors	120	0.316	3.687	3.095	0.005	0.187	0.172	476.087	0.154	0.004
Off-Highway Tractors	175	0.201	3.143	1.785	0.005	0.085	0.079	472.996	0.153	0.004
Off-Highway Tractors	250	0.171	1.138	1.491	0.005	0.053	0.049	470.845	0.152	0.004
Off-Highway Tractors	750	0.168	1.124	1.289	0.005	0.051	0.047	471.932	0.153	0.004
Off-Highway Tractors	1000	0.180	1.055	2.449	0.005	0.067	0.062	472.055	0.153	0.004
Off-Highway Trucks	175	0.236	3.304	1.683	0.005	0.081	0.074	470.292	0.152	0.004
Off-Highway Trucks	250	0.207	1.273	1.456	0.005	0.059	0.054	469.446	0.152	0.004

2023

2023		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.187	1.221	1.324	0.005	0.048	0.044	475.049	0.154	0.004
Off-Highway Trucks	750	0.263	1.719	2.182	0.005	0.084	0.078	473.767	0.153	0.004
Off-Highway Trucks	1000	0.214	1.194	3.544	0.005	0.074	0.068	472.857	0.153	0.004
Other Construction Equipment	15	0.866	5.074	4.594	0.006	0.322	0.296	529.339	0.171	0.005
Other Construction Equipment	25	0.866	5.074	4.594	0.006	0.322	0.296	529.339	0.171	0.005
Other Construction Equipment	50	0.866	5.074	4.594	0.006	0.322	0.296	529.339	0.171	0.005
Other Construction Equipment	120	0.406	3.632	3.790	0.005	0.259	0.238	471.990	0.153	0.004
Other Construction Equipment	175	0.274	3.142	2.698	0.005	0.141	0.129	469.558	0.152	0.004
Other Construction Equipment	500	0.180	1.396	1.812	0.005	0.069	0.063	476.185	0.154	0.004
Other General Industrial Equipment	15	0.603	4.883	3.993	0.005	0.194	0.179	526.176	0.170	0.005
Other General Industrial Equipment	25	0.603	4.883	3.993	0.005	0.194	0.179	526.176	0.170	0.005
Other General Industrial Equipment	50	0.603	4.883	3.993	0.005	0.194	0.179	526.176	0.170	0.005
Other General Industrial Equipment	120	0.308	3.647	2.924	0.005	0.169	0.155	470.000	0.152	0.004
Other General Industrial Equipment	175	0.201	3.175	1.609	0.005	0.080	0.074	471.850	0.153	0.004
Other General Industrial Equipment	250	0.181	1.140	1.530	0.005	0.051	0.047	473.223	0.153	0.004
Other General Industrial Equipment	500	0.164	1.121	1.256	0.005	0.043	0.040	472.929	0.153	0.004
Other General Industrial Equipment	750	0.111	1.105	0.626	0.005	0.023	0.021	473.464	0.153	0.004
Other General Industrial Equipment	1000	0.193	1.049	3.956	0.005	0.080	0.073	472.055	0.153	0.004
Other Material Handling Equipment	50	1.011	5.757	4.684	0.005	0.340	0.313	523.709	0.169	0.005
Other Material Handling Equipment	120	0.225	3.515	2.298	0.005	0.104	0.095	473.588	0.153	0.004
Other Material Handling Equipment	175	0.217	3.171	1.769	0.005	0.096	0.088	472.219	0.153	0.004
Other Material Handling Equipment	250	0.207	1.209	2.004	0.005	0.069	0.064	471.482	0.153	0.004
Other Material Handling Equipment	500	0.218	1.344	1.870	0.005	0.078	0.072	470.297	0.152	0.004

2023

2023		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.054	0.939	2.268	0.005	0.018	0.017	472.055	0.153	0.004
Pavers	25	1.007	5.007	4.285	0.005	0.299	0.275	526.860	0.170	0.005
Pavers	50	1.007	5.007	4.285	0.005	0.299	0.275	526.860	0.170	0.005
Pavers	120	0.349	3.507	3.427	0.005	0.226	0.208	470.084	0.152	0.004
Pavers	175	0.199	2.994	1.955	0.005	0.092	0.085	472.718	0.153	0.004
Pavers	250	0.130	1.010	1.611	0.005	0.047	0.043	472.605	0.153	0.004
Pavers	500	0.152	0.987	1.771	0.005	0.062	0.057	466.004	0.151	0.004
Paving Equipment	25	0.541	4.241	3.774	0.005	0.173	0.159	521.114	0.169	0.005
Paving Equipment	50	0.541	4.241	3.774	0.005	0.173	0.159	521.114	0.169	0.005
Paving Equipment	120	0.278	3.503	2.837	0.005	0.153	0.140	473.427	0.153	0.004
Paving Equipment	175	0.204	3.051	1.913	0.005	0.093	0.086	470.663	0.152	0.004
Paving Equipment	250	0.175	1.165	1.885	0.005	0.070	0.065	472.169	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.618	3.508	4.345	0.008	0.186	0.186	568.299	0.055	0.005
Pressure Washers	25	0.701	2.407	4.447	0.007	0.182	0.182	568.299	0.063	0.005
Pressure Washers	50	0.363	3.260	3.541	0.007	0.101	0.101	568.299	0.032	0.005
Pressure Washers	120	0.222	3.196	2.377	0.006	0.097	0.097	568.299	0.020	0.004
Pressure Washers	175	0.205	2.907	1.665	0.006	0.072	0.072	568.299	0.018	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.698	3.508	4.359	0.008	0.194	0.194	568.299	0.063	0.005
Pumps	25	0.728	2.407	4.447	0.007	0.186	0.186	568.299	0.065	0.005
Pumps	50	0.565	4.007	3.734	0.007	0.131	0.131	568.299	0.051	0.005
Pumps	120	0.299	3.398	2.511	0.006	0.123	0.123	568.299	0.026	0.004
Pumps	175	0.227	2.971	1.662	0.006	0.075	0.075	568.299	0.020	0.004
Pumps	250	0.177	1.021	1.351	0.006	0.040	0.040	568.299	0.015	0.004
Pumps	500	0.171	0.998	1.246	0.005	0.038	0.038	568.300	0.015	0.004
Pumps	750	0.173	0.998	1.271	0.005	0.039	0.039	568.299	0.015	0.004
Pumps	9999	0.207	1.043	3.090	0.005	0.059	0.059	568.299	0.018	0.004
Rollers	15	0.661	4.252	3.921	0.005	0.212	0.195	525.862	0.170	0.005
Rollers	25	0.661	4.252	3.921	0.005	0.212	0.195	525.862	0.170	0.005
Rollers	50	0.661	4.252	3.921	0.005	0.212	0.195	525.862	0.170	0.005
Rollers	120	0.287	3.455	3.003	0.005	0.165	0.152	473.936	0.153	0.004
Rollers	175	0.150	2.909	1.483	0.005	0.068	0.062	471.935	0.153	0.004
Rollers	250	0.188	1.234	2.173	0.005	0.076	0.070	473.516	0.153	0.004
Rollers	500	0.211	1.956	2.290	0.005	0.093	0.085	478.303	0.155	0.004
Rough Terrain Forklifts	50	0.690	4.125	3.853	0.005	0.204	0.187	524.802	0.170	0.005
Rough Terrain Forklifts	120	0.150	3.242	1.984	0.005	0.064	0.059	473.158	0.153	0.004
Rough Terrain Forklifts	175	0.111	2.843	1.218	0.005	0.044	0.040	471.622	0.153	0.004
Rough Terrain Forklifts	250	0.116	0.990	1.474	0.005	0.034	0.032	472.778	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.938	0.558	0.005	0.009	0.008	466.554	0.151	0.004
Rubber Tired Dozers	175	0.588	3.766	5.656	0.005	0.316	0.291	473.901	0.153	0.004
Rubber Tired Dozers	250	0.393	1.783	4.090	0.005	0.184	0.169	474.597	0.154	0.004
Rubber Tired Dozers	500	0.447	3.686	4.408	0.005	0.202	0.185	479.468	0.155	0.004
Rubber Tired Dozers	750	0.423	2.591	5.334	0.005	0.196	0.180	473.023	0.153	0.004
Rubber Tired Dozers	1000	0.453	1.874	4.709	0.005	0.131	0.131	568.299	0.040	0.004
Rubber Tired Loaders	25	1.049	5.972	4.521	0.005	0.304	0.279	524.304	0.170	0.005

2023

2023		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	1.049	5.972	4.521	0.005	0.304	0.279	524.304	0.170	0.005
Rubber Tired Loaders	120	0.412	3.827	3.512	0.005	0.239	0.219	466.558	0.151	0.004
Rubber Tired Loaders	175	0.269	3.292	2.196	0.005	0.118	0.108	470.660	0.152	0.004
Rubber Tired Loaders	250	0.210	1.171	2.060	0.005	0.069	0.064	469.824	0.152	0.004
Rubber Tired Loaders	500	0.217	1.384	1.866	0.005	0.069	0.064	468.466	0.152	0.004
Rubber Tired Loaders	750	0.227	1.323	1.927	0.005	0.075	0.069	464.555	0.150	0.004
Rubber Tired Loaders	1000	0.193	1.174	3.528	0.005	0.071	0.065	472.303	0.153	0.004
Scrapers	120	0.630	4.144	6.026	0.005	0.458	0.421	483.030	0.156	0.004
Scrapers	175	0.361	3.395	3.479	0.005	0.184	0.169	478.681	0.155	0.004
Scrapers	250	0.317	1.678	3.284	0.005	0.144	0.133	469.560	0.152	0.004
Scrapers	500	0.253	1.975	2.666	0.005	0.105	0.096	473.177	0.153	0.004
Scrapers	750	0.222	1.513	2.386	0.005	0.087	0.080	471.295	0.152	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.603	4.282	3.767	0.007	0.132	0.132	568.299	0.054	0.005
Signal Boards	120	0.315	3.478	2.472	0.006	0.122	0.122	568.299	0.028	0.004
Signal Boards	175	0.244	3.045	1.602	0.006	0.075	0.075	568.299	0.022	0.004
Signal Boards	250	0.235	1.263	1.562	0.007	0.048	0.048	686.695	0.021	0.004
Skid Steer Loaders	25	0.353	3.654	3.371	0.005	0.093	0.086	527.423	0.171	0.005
Skid Steer Loaders	50	0.353	3.654	3.371	0.005	0.093	0.086	527.423	0.171	0.005
Skid Steer Loaders	120	0.153	3.266	2.039	0.005	0.069	0.063	472.656	0.153	0.004
Surfacing Equipment	50	0.437	3.832	3.924	0.006	0.156	0.143	535.930	0.173	0.005
Surfacing Equipment	120	0.270	3.396	3.058	0.005	0.157	0.144	474.470	0.154	0.004
Surfacing Equipment	175	0.224	2.914	2.455	0.005	0.119	0.110	470.014	0.152	0.004
Surfacing Equipment	250	0.192	1.219	2.502	0.005	0.082	0.075	476.961	0.154	0.004
Surfacing Equipment	500	0.132	1.163	1.476	0.005	0.056	0.051	470.375	0.152	0.004
Surfacing Equipment	750	0.100	0.985	1.081	0.005	0.040	0.037	472.447	0.153	0.004
Sweepers/Scrubbers	15	0.759	4.971	4.127	0.005	0.249	0.229	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.759	4.971	4.127	0.005	0.249	0.229	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.759	4.971	4.127	0.005	0.249	0.229	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.351	3.695	3.285	0.005	0.210	0.193	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.292	3.223	2.609	0.005	0.126	0.116	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.159	1.114	1.610	0.005	0.050	0.046	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.621	4.629	3.857	0.005	0.185	0.170	513.796	0.166	0.005
Tractors/Loaders/Backhoes	50	0.621	4.629	3.857	0.005	0.185	0.170	513.796	0.166	0.005
Tractors/Loaders/Backhoes	120	0.239	3.525	2.426	0.005	0.120	0.110	476.431	0.154	0.004
Tractors/Loaders/Backhoes	175	0.184	3.078	1.521	0.005	0.077	0.070	468.821	0.152	0.004
Tractors/Loaders/Backhoes	250	0.169	1.148	1.588	0.005	0.058	0.053	469.752	0.152	0.004
Tractors/Loaders/Backhoes	500	0.152	1.279	1.247	0.005	0.047	0.043	469.465	0.152	0.004
Tractors/Loaders/Backhoes	750	0.234	1.361	2.419	0.005	0.095	0.087	466.676	0.151	0.004
Trenchers	15	0.642	4.302	3.959	0.005	0.220	0.202	527.095	0.171	0.005

2023

2023		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.642	4.302	3.959	0.005	0.220	0.202	527.095	0.171	0.005
Trenchers	50	0.642	4.302	3.959	0.005	0.220	0.202	527.095	0.171	0.005
Trenchers	120	0.504	3.768	4.700	0.005	0.326	0.300	475.690	0.154	0.004
Trenchers	175	0.359	3.291	3.657	0.005	0.186	0.171	467.733	0.151	0.004
Trenchers	250	0.328	1.639	3.737	0.005	0.155	0.143	473.849	0.153	0.004
Trenchers	500	0.199	1.723	2.005	0.005	0.085	0.078	471.613	0.153	0.004
Trenchers	750	0.060	0.951	0.303	0.005	0.009	0.008	474.471	0.154	0.004
Welders	15	0.698	3.508	4.359	0.008	0.194	0.194	568.300	0.063	0.005
Welders	25	0.728	2.407	4.447	0.007	0.186	0.186	568.299	0.065	0.005
Welders	50	0.697	4.596	3.891	0.007	0.151	0.151	568.299	0.062	0.005
Welders	120	0.357	3.564	2.599	0.006	0.139	0.139	568.299	0.032	0.004
Welders	175	0.277	3.115	1.726	0.006	0.085	0.085	568.299	0.025	0.004
Welders	250	0.000	1.071	1.404	0.006	0.044	0.044	568.299	0.019	0.004
Welders	500	0.215	1.034	1.289	0.005	0.042	0.042	568.299	0.019	0.004
Water Trucks	175	0.236	3.304	1.683	0.005	0.081	0.074	470.292	0.152	0.004
Water Trucks	250	0.207	1.273	1.456	0.005	0.059	0.054	469.446	0.152	0.004
Water Trucks	500	0.187	1.221	1.324	0.005	0.048	0.044	475.049	0.154	0.004
Water Trucks	750	0.263	1.719	2.182	0.005	0.084	0.078	473.767	0.153	0.004
Water Trucks	1000	0.214	1.194	3.544	0.005	0.074	0.068	472.857	0.153	0.004

2024

2024		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.159	3.113	2.888	0.005	0.022	0.020	525.074	0.170	0.005
Aerial Lifts	25	0.159	3.113	2.888	0.005	0.022	0.020	525.074	0.170	0.005
Aerial Lifts	50	0.159	3.113	2.888	0.005	0.022	0.020	525.074	0.170	0.005
Aerial Lifts	120	0.101	3.173	1.528	0.005	0.027	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.082	0.966	0.647	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.161	0.991	1.115	0.005	0.033	0.033	568.299	0.014	0.004
Air Compressors	15	0.690	3.499	4.316	0.008	0.188	0.188	568.300	0.062	0.005
Air Compressors	25	0.718	2.390	4.426	0.007	0.181	0.181	568.300	0.064	0.005
Air Compressors	50	0.702	4.880	3.864	0.007	0.135	0.135	568.299	0.063	0.005
Air Compressors	120	0.365	3.655	2.461	0.006	0.123	0.123	568.299	0.032	0.004
Air Compressors	175	0.286	3.202	1.561	0.006	0.077	0.077	568.299	0.025	0.004
Air Compressors	250	0.232	1.096	1.247	0.006	0.039	0.039	568.299	0.020	0.004
Air Compressors	500	0.228	1.053	1.148	0.005	0.038	0.038	568.299	0.020	0.004
Air Compressors	750	0.228	1.053	1.171	0.005	0.038	0.038	568.299	0.020	0.004
Air Compressors	1000	0.243	1.090	3.082	0.005	0.061	0.061	568.299	0.021	0.004
Bore/Drill Rigs	15	0.609	4.331	4.159	0.006	0.219	0.202	529.866	0.171	0.005
Bore/Drill Rigs	25	0.609	4.331	4.159	0.006	0.219	0.202	529.866	0.171	0.005
Bore/Drill Rigs	50	0.609	4.331	4.159	0.006	0.219	0.202	529.866	0.171	0.005
Bore/Drill Rigs	120	0.177	3.251	2.216	0.005	0.090	0.083	461.208	0.149	0.004
Bore/Drill Rigs	175	0.125	2.978	1.029	0.005	0.046	0.043	478.944	0.155	0.004
Bore/Drill Rigs	250	0.108	1.046	0.975	0.005	0.032	0.030	470.712	0.152	0.004
Bore/Drill Rigs	500	0.103	0.994	0.861	0.005	0.029	0.027	464.480	0.150	0.004
Bore/Drill Rigs	750	0.089	0.985	0.671	0.005	0.026	0.024	480.225	0.155	0.004
Bore/Drill Rigs	1000	0.057	0.943	2.273	0.005	0.018	0.017	471.926	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.693	2.349	4.369	0.007	0.170	0.170	568.299	0.062	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.561	4.330	3.701	0.007	0.115	0.115	568.300	0.050	0.005
Concrete/Industrial Saws	120	0.300	3.500	2.315	0.006	0.106	0.106	568.299	0.027	0.004
Concrete/Industrial Saws	175	0.235	3.072	1.418	0.006	0.067	0.067	568.299	0.021	0.004
Cranes	50	1.937	7.269	5.788	0.005	0.577	0.531	517.872	0.168	0.005
Cranes	120	0.524	3.906	4.619	0.005	0.301	0.277	469.903	0.152	0.004
Cranes	175	0.381	3.389	3.703	0.005	0.196	0.181	474.636	0.154	0.004
Cranes	250	0.281	1.502	2.966	0.005	0.123	0.114	472.964	0.153	0.004
Cranes	500	0.231	1.933	2.383	0.005	0.096	0.089	472.066	0.153	0.004
Cranes	750	0.191	1.283	1.900	0.005	0.080	0.073	470.331	0.152	0.004
Cranes	9999	0.220	1.031	2.411	0.005	0.064	0.059	472.055	0.153	0.004
Crawler Tractors	50	1.756	6.685	4.975	0.005	0.466	0.429	515.466	0.167	0.005
Crawler Tractors	120	0.513	3.852	4.409	0.005	0.335	0.309	476.234	0.154	0.004
Crawler Tractors	175	0.326	3.227	3.041	0.005	0.170	0.157	471.829	0.153	0.004
Crawler Tractors	250	0.264	1.370	2.953	0.005	0.115	0.106	471.860	0.153	0.004

2024

2024		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.228	1.780	2.244	0.005	0.093	0.085	474.025	0.153	0.004
Crawler Tractors	750	0.181	1.159	1.767	0.005	0.066	0.061	472.283	0.153	0.004
Crawler Tractors	1000	0.263	1.588	4.689	0.005	0.115	0.106	474.645	0.154	0.004
Crushing/Proc. Equipment	50	0.694	5.008	3.850	0.007	0.125	0.125	568.299	0.062	0.005
Crushing/Proc. Equipment	120	0.364	3.697	2.389	0.006	0.112	0.112	568.299	0.032	0.004
Crushing/Proc. Equipment	175	0.287	3.243	1.472	0.006	0.071	0.071	568.299	0.025	0.004
Crushing/Proc. Equipment	250	0.236	1.109	1.165	0.006	0.036	0.036	568.299	0.021	0.004
Crushing/Proc. Equipment	500	0.232	1.062	1.077	0.005	0.035	0.035	568.299	0.021	0.004
Crushing/Proc. Equipment	750	0.233	1.063	1.098	0.005	0.036	0.036	568.299	0.021	0.004
Crushing/Proc. Equipment	9999	0.274	1.096	3.029	0.005	0.059	0.059	568.299	0.024	0.004
Dumpers/Tenders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.417	4.205	3.508	0.005	0.120	0.110	525.979	0.170	0.005
Excavators	50	0.417	4.205	3.508	0.005	0.120	0.110	525.979	0.170	0.005
Excavators	120	0.217	3.453	2.248	0.005	0.102	0.094	467.384	0.151	0.004
Excavators	175	0.170	3.083	1.325	0.005	0.065	0.060	472.428	0.153	0.004
Excavators	250	0.139	1.090	1.108	0.005	0.036	0.033	472.442	0.153	0.004
Excavators	500	0.121	1.054	0.831	0.005	0.029	0.026	469.711	0.152	0.004
Excavators	750	0.142	1.134	1.105	0.005	0.041	0.037	468.652	0.152	0.004
Forklifts	50	0.692	5.089	4.039	0.005	0.203	0.187	525.483	0.170	0.005
Forklifts	120	0.300	3.629	2.814	0.005	0.163	0.150	471.529	0.153	0.004
Forklifts	175	0.224	3.174	1.861	0.005	0.096	0.088	472.106	0.153	0.004
Forklifts	250	0.196	1.218	1.625	0.005	0.061	0.057	473.326	0.153	0.004
Forklifts	500	0.218	1.219	1.723	0.005	0.065	0.060	473.615	0.153	0.004
Generator Sets	15	0.612	3.499	4.305	0.008	0.181	0.181	568.299	0.055	0.005
Generator Sets	25	0.697	2.390	4.426	0.007	0.178	0.178	568.299	0.062	0.005
Generator Sets	50	0.475	3.787	3.582	0.007	0.107	0.107	568.299	0.042	0.005
Generator Sets	120	0.260	3.342	2.321	0.006	0.101	0.101	568.299	0.023	0.004
Generator Sets	175	0.197	2.929	1.462	0.006	0.062	0.062	568.299	0.017	0.004
Generator Sets	250	0.155	1.003	1.169	0.006	0.033	0.033	568.299	0.014	0.004
Generator Sets	500	0.151	0.983	1.082	0.005	0.032	0.032	568.300	0.013	0.004
Generator Sets	750	0.152	0.983	1.104	0.005	0.032	0.032	568.299	0.013	0.004
Generator Sets	9999	0.183	1.018	2.929	0.005	0.052	0.052	568.300	0.016	0.004
Graders	50	1.850	7.051	5.028	0.005	0.520	0.479	493.791	0.160	0.005
Graders	120	0.683	4.200	5.434	0.005	0.408	0.375	469.821	0.152	0.004
Graders	175	0.364	3.432	3.202	0.005	0.177	0.163	478.497	0.155	0.004
Graders	250	0.262	1.225	3.073	0.005	0.100	0.092	473.669	0.153	0.004
Graders	500	0.293	1.356	2.432	0.005	0.095	0.088	470.266	0.152	0.004
Graders	750	0.264	1.155	1.265	0.005	0.046	0.046	568.300	0.023	0.004
Off-Highway Tractors	120	0.302	3.691	2.949	0.005	0.171	0.157	476.371	0.154	0.004
Off-Highway Tractors	175	0.183	3.133	1.496	0.005	0.072	0.066	473.097	0.153	0.004
Off-Highway Tractors	250	0.169	1.135	1.377	0.005	0.049	0.045	470.689	0.152	0.004
Off-Highway Tractors	750	0.169	1.130	1.235	0.005	0.048	0.044	471.925	0.153	0.004
Off-Highway Tractors	1000	0.189	1.066	2.466	0.005	0.068	0.063	472.055	0.153	0.004
Off-Highway Trucks	175	0.224	3.325	1.494	0.005	0.070	0.064	470.264	0.152	0.004
Off-Highway Trucks	250	0.202	1.259	1.355	0.005	0.054	0.050	469.113	0.152	0.004

2024

2024		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.185	1.206	1.235	0.005	0.045	0.041	475.220	0.154	0.004
Off-Highway Trucks	750	0.259	1.650	2.085	0.005	0.079	0.073	473.839	0.153	0.004
Off-Highway Trucks	1000	0.209	1.200	3.439	0.005	0.069	0.064	473.097	0.153	0.004
Other Construction Equipment	15	0.828	5.032	4.510	0.006	0.305	0.281	529.209	0.171	0.005
Other Construction Equipment	25	0.828	5.032	4.510	0.006	0.305	0.281	529.209	0.171	0.005
Other Construction Equipment	50	0.828	5.032	4.510	0.006	0.305	0.281	529.209	0.171	0.005
Other Construction Equipment	120	0.382	3.620	3.582	0.005	0.237	0.218	472.125	0.153	0.004
Other Construction Equipment	175	0.261	3.150	2.520	0.005	0.130	0.120	469.545	0.152	0.004
Other Construction Equipment	500	0.175	1.382	1.677	0.005	0.064	0.059	476.484	0.154	0.004
Other General Industrial Equipment	15	0.546	4.780	3.859	0.005	0.165	0.152	526.176	0.170	0.005
Other General Industrial Equipment	25	0.546	4.780	3.859	0.005	0.165	0.152	526.176	0.170	0.005
Other General Industrial Equipment	50	0.546	4.780	3.859	0.005	0.165	0.152	526.176	0.170	0.005
Other General Industrial Equipment	120	0.287	3.639	2.708	0.005	0.146	0.134	470.000	0.152	0.004
Other General Industrial Equipment	175	0.191	3.185	1.448	0.005	0.073	0.067	471.850	0.153	0.004
Other General Industrial Equipment	250	0.173	1.141	1.319	0.005	0.046	0.042	473.223	0.153	0.004
Other General Industrial Equipment	500	0.158	1.110	1.153	0.005	0.040	0.036	472.929	0.153	0.004
Other General Industrial Equipment	750	0.115	1.112	0.628	0.005	0.023	0.021	473.464	0.153	0.004
Other General Industrial Equipment	1000	0.198	1.058	3.971	0.005	0.080	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.943	5.669	4.579	0.005	0.314	0.289	523.709	0.169	0.005
Other Material Handling Equipment	120	0.220	3.510	2.222	0.005	0.096	0.089	473.588	0.153	0.004
Other Material Handling Equipment	175	0.208	3.181	1.639	0.005	0.088	0.081	472.219	0.153	0.004
Other Material Handling Equipment	250	0.210	1.218	1.986	0.005	0.068	0.063	471.482	0.153	0.004
Other Material Handling Equipment	500	0.212	1.262	1.756	0.005	0.072	0.066	470.297	0.152	0.004

2024

2024		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.058	0.946	2.278	0.005	0.018	0.017	472.055	0.153	0.004
Pavers	25	0.950	4.956	4.203	0.005	0.279	0.257	526.857	0.170	0.005
Pavers	50	0.950	4.956	4.203	0.005	0.279	0.257	526.857	0.170	0.005
Pavers	120	0.337	3.508	3.277	0.005	0.213	0.196	470.226	0.152	0.004
Pavers	175	0.191	3.004	1.809	0.005	0.085	0.078	472.661	0.153	0.004
Pavers	250	0.119	1.009	1.343	0.005	0.041	0.038	473.236	0.153	0.004
Pavers	500	0.143	0.986	1.548	0.005	0.054	0.049	467.171	0.151	0.004
Paving Equipment	25	0.523	4.275	3.743	0.005	0.164	0.151	521.058	0.169	0.005
Paving Equipment	50	0.523	4.275	3.743	0.005	0.164	0.151	521.058	0.169	0.005
Paving Equipment	120	0.262	3.503	2.673	0.005	0.135	0.125	473.175	0.153	0.004
Paving Equipment	175	0.197	3.066	1.785	0.005	0.086	0.079	470.661	0.152	0.004
Paving Equipment	250	0.138	1.114	1.296	0.005	0.048	0.044	472.212	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.612	3.499	4.305	0.008	0.181	0.181	568.299	0.055	0.005
Pressure Washers	25	0.697	2.390	4.426	0.007	0.178	0.178	568.299	0.062	0.005
Pressure Washers	50	0.333	3.233	3.441	0.007	0.087	0.087	568.299	0.030	0.005
Pressure Washers	120	0.204	3.191	2.229	0.006	0.084	0.084	568.299	0.018	0.004
Pressure Washers	175	0.191	2.907	1.482	0.006	0.062	0.062	568.299	0.017	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.690	3.499	4.316	0.008	0.188	0.188	568.299	0.062	0.005
Pumps	25	0.718	2.390	4.426	0.007	0.181	0.181	568.299	0.064	0.005
Pumps	50	0.523	3.974	3.630	0.007	0.114	0.114	568.299	0.047	0.005
Pumps	120	0.279	3.393	2.352	0.006	0.107	0.107	568.299	0.025	0.004
Pumps	175	0.213	2.973	1.486	0.006	0.065	0.065	568.299	0.019	0.004
Pumps	250	0.168	1.018	1.189	0.006	0.034	0.034	568.300	0.015	0.004
Pumps	500	0.164	0.994	1.098	0.005	0.033	0.033	568.299	0.014	0.004
Pumps	750	0.164	0.994	1.120	0.005	0.034	0.034	568.299	0.014	0.004
Pumps	9999	0.196	1.031	2.960	0.005	0.054	0.054	568.299	0.017	0.004
Rollers	15	0.621	4.207	3.824	0.005	0.193	0.177	525.957	0.170	0.005
Rollers	25	0.621	4.207	3.824	0.005	0.193	0.177	525.957	0.170	0.005
Rollers	50	0.621	4.207	3.824	0.005	0.193	0.177	525.957	0.170	0.005
Rollers	120	0.272	3.451	2.843	0.005	0.151	0.138	474.007	0.153	0.004
Rollers	175	0.141	2.914	1.324	0.005	0.061	0.056	472.012	0.153	0.004
Rollers	250	0.179	1.214	1.977	0.005	0.070	0.064	473.512	0.153	0.004
Rollers	500	0.210	1.961	2.216	0.005	0.090	0.083	477.900	0.155	0.004
Rough Terrain Forklifts	50	0.570	3.918	3.653	0.005	0.166	0.152	524.924	0.170	0.005
Rough Terrain Forklifts	120	0.145	3.245	1.914	0.005	0.058	0.054	473.063	0.153	0.004
Rough Terrain Forklifts	175	0.103	2.834	1.044	0.005	0.039	0.036	471.535	0.153	0.004
Rough Terrain Forklifts	250	0.119	0.995	1.480	0.005	0.035	0.032	472.853	0.153	0.004
Rough Terrain Forklifts	500	0.066	0.937	0.476	0.005	0.009	0.008	466.548	0.151	0.004
Rubber Tired Dozers	175	0.532	3.696	5.014	0.005	0.279	0.257	473.515	0.153	0.004
Rubber Tired Dozers	250	0.399	1.797	4.090	0.005	0.184	0.170	474.585	0.154	0.004
Rubber Tired Dozers	500	0.417	3.457	4.030	0.005	0.182	0.168	479.394	0.155	0.004
Rubber Tired Dozers	750	0.425	2.596	5.334	0.005	0.196	0.180	473.011	0.153	0.004
Rubber Tired Dozers	1000	0.433	1.796	4.532	0.005	0.123	0.123	568.299	0.039	0.004
Rubber Tired Loaders	25	1.009	5.987	4.468	0.005	0.286	0.263	524.230	0.170	0.005

2024

2024		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	1.009	5.987	4.468	0.005	0.286	0.263	524.230	0.170	0.005
Rubber Tired Loaders	120	0.397	3.832	3.339	0.005	0.221	0.203	466.808	0.151	0.004
Rubber Tired Loaders	175	0.246	3.288	1.884	0.005	0.101	0.092	470.357	0.152	0.004
Rubber Tired Loaders	250	0.197	1.161	1.806	0.005	0.060	0.056	469.788	0.152	0.004
Rubber Tired Loaders	500	0.209	1.352	1.702	0.005	0.063	0.058	468.513	0.152	0.004
Rubber Tired Loaders	750	0.226	1.333	1.881	0.005	0.072	0.066	464.866	0.150	0.004
Rubber Tired Loaders	1000	0.201	1.191	3.544	0.005	0.071	0.066	472.345	0.153	0.004
Scrapers	120	0.575	4.095	5.632	0.005	0.414	0.381	482.701	0.156	0.004
Scrapers	175	0.336	3.372	3.156	0.005	0.167	0.153	478.809	0.155	0.004
Scrapers	250	0.301	1.627	3.014	0.005	0.133	0.123	469.352	0.152	0.004
Scrapers	500	0.245	1.921	2.477	0.005	0.098	0.090	472.846	0.153	0.004
Scrapers	750	0.213	1.461	2.187	0.005	0.081	0.074	471.429	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.559	4.247	3.662	0.007	0.114	0.114	568.299	0.050	0.005
Signal Boards	120	0.296	3.474	2.315	0.006	0.105	0.105	568.299	0.026	0.004
Signal Boards	175	0.229	3.047	1.427	0.006	0.065	0.065	568.299	0.020	0.004
Signal Boards	250	0.224	1.259	1.370	0.007	0.041	0.041	686.695	0.020	0.004
Skid Steer Loaders	25	0.350	3.671	3.346	0.005	0.089	0.082	527.801	0.171	0.005
Skid Steer Loaders	50	0.350	3.671	3.346	0.005	0.089	0.082	527.801	0.171	0.005
Skid Steer Loaders	120	0.147	3.264	1.948	0.005	0.063	0.058	472.847	0.153	0.004
Surfacing Equipment	50	0.333	3.662	3.721	0.006	0.116	0.107	536.030	0.173	0.005
Surfacing Equipment	120	0.251	3.389	2.883	0.005	0.142	0.131	475.381	0.154	0.004
Surfacing Equipment	175	0.228	2.930	2.464	0.005	0.120	0.111	470.077	0.152	0.004
Surfacing Equipment	250	0.176	1.183	2.236	0.005	0.071	0.065	477.096	0.154	0.004
Surfacing Equipment	500	0.134	1.168	1.478	0.005	0.056	0.051	470.252	0.152	0.004
Surfacing Equipment	750	0.094	0.985	0.947	0.005	0.035	0.032	472.983	0.153	0.004
Sweepers/Scrubbers	15	0.746	5.003	4.079	0.005	0.239	0.219	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.746	5.003	4.079	0.005	0.239	0.219	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.746	5.003	4.079	0.005	0.239	0.219	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.332	3.693	3.098	0.005	0.189	0.173	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.266	3.234	2.253	0.005	0.107	0.099	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.164	1.127	1.614	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.590	4.609	3.768	0.005	0.166	0.153	513.852	0.166	0.005
Tractors/Loaders/Backhoes	50	0.590	4.609	3.768	0.005	0.166	0.153	513.852	0.166	0.005
Tractors/Loaders/Backhoes	120	0.227	3.532	2.288	0.005	0.105	0.097	476.731	0.154	0.004
Tractors/Loaders/Backhoes	175	0.176	3.089	1.376	0.005	0.069	0.063	469.403	0.152	0.004
Tractors/Loaders/Backhoes	250	0.168	1.151	1.491	0.005	0.055	0.050	469.914	0.152	0.004
Tractors/Loaders/Backhoes	500	0.150	1.277	1.163	0.005	0.044	0.041	470.084	0.152	0.004
Tractors/Loaders/Backhoes	750	0.221	1.311	2.215	0.005	0.085	0.079	466.638	0.151	0.004
Trenchers	15	0.601	4.233	3.834	0.005	0.197	0.181	527.022	0.170	0.005

2024

2024		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.601	4.233	3.834	0.005	0.197	0.181	527.022	0.170	0.005
Trenchers	50	0.601	4.233	3.834	0.005	0.197	0.181	527.022	0.170	0.005
Trenchers	120	0.494	3.769	4.593	0.005	0.318	0.292	475.632	0.154	0.004
Trenchers	175	0.364	3.311	3.667	0.005	0.187	0.172	467.733	0.151	0.004
Trenchers	250	0.312	1.598	3.483	0.005	0.146	0.134	473.846	0.153	0.004
Trenchers	500	0.192	1.668	1.859	0.005	0.080	0.074	469.994	0.152	0.004
Trenchers	750	0.064	0.958	0.304	0.005	0.009	0.008	474.478	0.154	0.004
Welders	15	0.690	3.499	4.316	0.008	0.188	0.188	568.299	0.062	0.005
Welders	25	0.718	2.390	4.426	0.007	0.181	0.181	568.299	0.064	0.005
Welders	50	0.646	4.557	3.782	0.007	0.130	0.130	568.299	0.058	0.005
Welders	120	0.336	3.560	2.430	0.006	0.120	0.120	568.299	0.030	0.004
Welders	175	0.261	3.118	1.541	0.006	0.074	0.074	568.299	0.023	0.004
Welders	250	0.210	1.068	1.234	0.006	0.038	0.038	568.299	0.018	0.004
Welders	500	0.206	1.032	1.135	0.005	0.037	0.037	568.299	0.018	0.004
Water Trucks	175	0.224	3.325	1.494	0.005	0.070	0.064	470.264	0.152	0.004
Water Trucks	250	0.202	1.259	1.355	0.005	0.054	0.050	469.113	0.152	0.004
Water Trucks	500	0.185	1.206	1.235	0.005	0.045	0.041	475.220	0.154	0.004
Water Trucks	750	0.259	1.650	2.085	0.005	0.079	0.073	473.839	0.153	0.004
Water Trucks	1000	0.209	1.200	3.439	0.005	0.069	0.064	473.097	0.153	0.004

2025

2025		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	25	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	50	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	120	0.099	3.167	1.511	0.005	0.026	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.085	0.970	0.649	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.153	0.989	0.974	0.005	0.028	0.028	568.299	0.013	0.004
Air Compressors	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressors	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressors	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressors	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressors	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressors	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressors	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	1000	0.231	1.079	2.954	0.005	0.055	0.055	568.299	0.020	0.004
Bore/Drill Rigs	15	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	25	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	50	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	120	0.155	3.218	1.964	0.005	0.067	0.062	459.829	0.149	0.004
Bore/Drill Rigs	175	0.114	2.974	0.888	0.005	0.039	0.036	478.266	0.155	0.004
Bore/Drill Rigs	250	0.107	1.045	0.957	0.005	0.031	0.029	470.654	0.152	0.004
Bore/Drill Rigs	500	0.102	0.997	0.823	0.005	0.028	0.026	467.289	0.151	0.004
Bore/Drill Rigs	750	0.085	0.983	0.596	0.005	0.023	0.021	481.250	0.156	0.004
Bore/Drill Rigs	1000	0.062	0.953	2.289	0.005	0.019	0.017	471.917	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.689	2.344	4.357	0.007	0.168	0.168	568.299	0.062	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Industrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Industrial Saws	175	0.220	3.073	1.249	0.006	0.056	0.056	568.300	0.019	0.004
Cranes	50	1.811	7.072	5.636	0.005	0.543	0.499	517.872	0.168	0.005
Cranes	120	0.463	3.831	4.135	0.005	0.260	0.240	469.533	0.152	0.004
Cranes	175	0.334	3.335	3.160	0.005	0.166	0.153	474.748	0.154	0.004
Cranes	250	0.265	1.470	2.681	0.005	0.114	0.105	472.980	0.153	0.004
Cranes	500	0.218	1.834	2.154	0.005	0.088	0.081	471.967	0.153	0.004
Cranes	750	0.172	1.274	1.638	0.005	0.068	0.062	470.276	0.152	0.004
Cranes	9999	0.229	1.038	2.422	0.005	0.065	0.060	472.055	0.153	0.004
Crawler Tractors	50	1.744	6.686	4.936	0.005	0.456	0.420	516.128	0.167	0.005
Crawler Tractors	120	0.454	3.788	3.961	0.005	0.285	0.262	476.134	0.154	0.004
Crawler Tractors	175	0.298	3.209	2.688	0.005	0.150	0.138	471.592	0.153	0.004
Crawler Tractors	250	0.232	1.308	2.462	0.005	0.096	0.088	471.622	0.153	0.004

2025

2025		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.208	1.717	1.920	0.005	0.081	0.074	474.007	0.153	0.004
Crawler Tractors	750	0.167	1.122	1.545	0.005	0.057	0.052	472.408	0.153	0.004
Crawler Tractors	1000	0.260	1.593	4.598	0.005	0.112	0.103	475.490	0.154	0.004
Crushing/Proc. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Proc. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Proc. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Proc. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Proc. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	50	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	120	0.201	3.439	2.082	0.005	0.085	0.078	466.738	0.151	0.004
Excavators	175	0.158	3.078	1.154	0.005	0.057	0.052	472.496	0.153	0.004
Excavators	250	0.131	1.081	0.962	0.005	0.032	0.029	472.560	0.153	0.004
Excavators	500	0.115	1.051	0.726	0.005	0.026	0.024	470.292	0.152	0.004
Excavators	750	0.139	1.135	1.026	0.005	0.038	0.035	468.558	0.152	0.004
Forklifts	50	0.636	5.029	3.932	0.005	0.178	0.164	525.483	0.170	0.005
Forklifts	120	0.277	3.611	2.607	0.005	0.140	0.128	471.529	0.153	0.004
Forklifts	175	0.209	3.170	1.653	0.005	0.084	0.078	472.106	0.153	0.004
Forklifts	250	0.191	1.214	1.466	0.005	0.056	0.052	473.326	0.153	0.004
Forklifts	500	0.215	1.222	1.658	0.005	0.062	0.057	473.615	0.153	0.004
Generator Sets	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Generator Sets	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Generator Sets	50	0.440	3.758	3.481	0.007	0.093	0.093	568.300	0.039	0.005
Generator Sets	120	0.243	3.338	2.185	0.006	0.087	0.087	568.299	0.021	0.004
Generator Sets	175	0.184	2.930	1.297	0.006	0.053	0.053	568.299	0.016	0.004
Generator Sets	250	0.147	1.000	1.020	0.006	0.028	0.028	568.299	0.013	0.004
Generator Sets	500	0.144	0.981	0.945	0.005	0.027	0.027	568.300	0.013	0.004
Generator Sets	750	0.145	0.981	0.964	0.005	0.027	0.027	568.299	0.013	0.004
Generator Sets	9999	0.173	1.008	2.812	0.005	0.047	0.047	568.299	0.015	0.004
Graders	50	1.864	7.125	5.043	0.005	0.522	0.480	493.532	0.160	0.005
Graders	120	0.638	4.149	5.074	0.005	0.371	0.342	468.316	0.152	0.004
Graders	175	0.329	3.418	2.774	0.005	0.152	0.140	478.508	0.155	0.004
Graders	250	0.230	1.179	2.556	0.005	0.082	0.076	473.470	0.153	0.004
Graders	500	0.280	1.315	2.265	0.005	0.088	0.081	470.753	0.152	0.004
Graders	750	0.253	1.141	1.125	0.005	0.041	0.041	568.300	0.022	0.004
Off-Highway Tractors	120	0.276	3.669	2.707	0.005	0.144	0.132	476.921	0.154	0.004
Off-Highway Tractors	175	0.175	3.142	1.349	0.005	0.065	0.060	473.302	0.153	0.004
Off-Highway Tractors	250	0.155	1.130	1.116	0.005	0.040	0.037	470.861	0.152	0.004
Off-Highway Tractors	750	0.167	1.135	1.118	0.005	0.045	0.041	471.917	0.153	0.004
Off-Highway Tractors	1000	0.198	1.077	2.482	0.005	0.070	0.064	472.055	0.153	0.004
Off-Highway Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Off-Highway Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004

2025

2025		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Off-Highway Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Off-Highway Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004
Other Construction Equipment	15	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	25	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	50	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	120	0.341	3.584	3.252	0.005	0.203	0.187	472.748	0.153	0.004
Other Construction Equipment	175	0.235	3.136	2.167	0.005	0.112	0.103	469.843	0.152	0.004
Other Construction Equipment	500	0.168	1.358	1.552	0.005	0.059	0.055	476.296	0.154	0.004
Other General Industrial Equipment	15	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	25	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	50	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	120	0.258	3.612	2.439	0.005	0.118	0.109	470.000	0.152	0.004
Other General Industrial Equipment	175	0.189	3.204	1.364	0.005	0.070	0.065	471.850	0.153	0.004
Other General Industrial Equipment	250	0.155	1.132	1.028	0.005	0.036	0.033	473.223	0.153	0.004
Other General Industrial Equipment	500	0.152	1.109	1.053	0.005	0.035	0.033	472.929	0.153	0.004
Other General Industrial Equipment	750	0.117	1.115	0.629	0.005	0.023	0.021	473.464	0.153	0.004
Other General Industrial Equipment	1000	0.203	1.067	3.985	0.005	0.081	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.744	5.248	4.233	0.005	0.239	0.219	523.709	0.169	0.005
Other Material Handling Equipment	120	0.203	3.497	2.055	0.005	0.081	0.074	473.588	0.153	0.004
Other Material Handling Equipment	175	0.189	3.168	1.396	0.005	0.072	0.067	472.219	0.153	0.004
Other Material Handling Equipment	250	0.200	1.197	1.774	0.005	0.060	0.055	471.482	0.153	0.004
Other Material Handling Equipment	500	0.204	1.260	1.601	0.005	0.067	0.061	470.297	0.152	0.004

2025

2025		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.065	0.959	2.298	0.005	0.019	0.017	472.055	0.153	0.004
Pavers	25	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	50	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	120	0.314	3.493	3.068	0.005	0.191	0.175	469.899	0.152	0.004
Pavers	175	0.181	3.007	1.644	0.005	0.077	0.071	472.485	0.153	0.004
Pavers	250	0.107	1.004	1.035	0.005	0.034	0.031	473.483	0.153	0.004
Pavers	500	0.115	0.969	1.134	0.005	0.039	0.036	465.882	0.151	0.004
Paving Equipment	25	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	50	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	120	0.242	3.483	2.496	0.005	0.118	0.108	473.424	0.153	0.004
Paving Equipment	175	0.175	3.038	1.509	0.005	0.075	0.069	470.484	0.152	0.004
Paving Equipment	250	0.133	1.117	1.110	0.005	0.043	0.040	472.234	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Pressure Washers	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Pressure Washers	50	0.306	3.210	3.344	0.007	0.075	0.075	568.299	0.027	0.005
Pressure Washers	120	0.189	3.186	2.100	0.006	0.072	0.072	568.299	0.017	0.004
Pressure Washers	175	0.178	2.907	1.310	0.006	0.053	0.053	568.299	0.016	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.683	3.491	4.278	0.008	0.183	0.183	568.299	0.061	0.005
Pumps	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Pumps	50	0.485	3.943	3.528	0.007	0.099	0.099	568.299	0.043	0.005
Pumps	120	0.261	3.389	2.213	0.006	0.092	0.092	568.299	0.023	0.004
Pumps	175	0.199	2.974	1.318	0.006	0.056	0.056	568.300	0.018	0.004
Pumps	250	0.159	1.016	1.038	0.006	0.029	0.029	568.299	0.014	0.004
Pumps	500	0.156	0.992	0.958	0.005	0.028	0.028	568.300	0.014	0.004
Pumps	750	0.157	0.992	0.977	0.005	0.029	0.029	568.300	0.014	0.004
Pumps	9999	0.186	1.020	2.840	0.005	0.049	0.049	568.299	0.016	0.004
Rollers	15	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	25	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	50	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	120	0.255	3.444	2.691	0.005	0.135	0.125	473.851	0.153	0.004
Rollers	175	0.127	2.909	1.101	0.005	0.049	0.046	471.970	0.153	0.004
Rollers	250	0.173	1.215	1.783	0.005	0.066	0.060	473.681	0.153	0.004
Rollers	500	0.212	1.968	2.200	0.005	0.091	0.083	477.573	0.155	0.004
Rough Terrain Forklifts	50	0.456	3.740	3.477	0.005	0.128	0.118	525.027	0.170	0.005
Rough Terrain Forklifts	120	0.137	3.240	1.821	0.005	0.051	0.047	473.037	0.153	0.004
Rough Terrain Forklifts	175	0.087	2.821	0.786	0.005	0.030	0.028	471.475	0.153	0.004
Rough Terrain Forklifts	250	0.123	1.001	1.489	0.005	0.035	0.033	472.927	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.942	0.477	0.005	0.009	0.008	466.541	0.151	0.004
Rubber Tired Dozers	175	0.461	3.612	4.229	0.005	0.231	0.212	474.103	0.153	0.004
Rubber Tired Dozers	250	0.372	1.720	3.805	0.005	0.167	0.153	474.573	0.154	0.004
Rubber Tired Dozers	500	0.367	2.959	3.370	0.005	0.151	0.139	479.092	0.155	0.004
Rubber Tired Dozers	750	0.428	2.601	5.333	0.005	0.196	0.181	472.998	0.153	0.004
Rubber Tired Dozers	1000	0.414	1.725	4.365	0.005	0.115	0.115	568.299	0.037	0.004
Rubber Tired Loaders	25	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005

2025

2025		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	120	0.352	3.791	2.970	0.005	0.179	0.165	466.898	0.151	0.004
Rubber Tired Loaders	175	0.224	3.281	1.590	0.005	0.084	0.077	470.459	0.152	0.004
Rubber Tired Loaders	250	0.177	1.142	1.442	0.005	0.048	0.045	469.871	0.152	0.004
Rubber Tired Loaders	500	0.193	1.276	1.433	0.005	0.053	0.048	469.143	0.152	0.004
Rubber Tired Loaders	750	0.212	1.333	1.654	0.005	0.064	0.059	465.052	0.150	0.004
Rubber Tired Loaders	1000	0.166	1.122	3.089	0.005	0.052	0.048	472.456	0.153	0.004
Scrapers	120	0.566	4.094	5.503	0.005	0.405	0.372	482.363	0.156	0.004
Scrapers	175	0.290	3.321	2.631	0.005	0.137	0.126	478.948	0.155	0.004
Scrapers	250	0.291	1.602	2.803	0.005	0.125	0.115	469.446	0.152	0.004
Scrapers	500	0.216	1.732	2.051	0.005	0.081	0.074	472.539	0.153	0.004
Scrapers	750	0.184	1.338	1.713	0.005	0.064	0.059	472.115	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.522	4.217	3.561	0.007	0.098	0.098	568.299	0.047	0.005
Signal Boards	120	0.278	3.470	2.179	0.006	0.089	0.089	568.299	0.025	0.004
Signal Boards	175	0.215	3.049	1.262	0.006	0.055	0.055	568.299	0.019	0.004
Signal Boards	250	0.213	1.257	1.192	0.007	0.035	0.035	686.695	0.019	0.004
Skid Steer Loaders	25	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	50	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	120	0.140	3.252	1.867	0.005	0.057	0.052	472.630	0.153	0.004
Surfacing Equipment	50	0.235	3.537	3.576	0.006	0.082	0.075	536.140	0.173	0.005
Surfacing Equipment	120	0.232	3.385	2.659	0.005	0.124	0.114	476.766	0.154	0.004
Surfacing Equipment	175	0.187	2.926	1.999	0.005	0.094	0.087	471.040	0.152	0.004
Surfacing Equipment	250	0.148	1.143	1.747	0.005	0.055	0.051	477.110	0.154	0.004
Surfacing Equipment	500	0.128	1.169	1.327	0.005	0.051	0.047	470.283	0.152	0.004
Surfacing Equipment	750	0.085	0.978	0.768	0.005	0.027	0.025	470.551	0.152	0.004
Sweepers/Scrubbers	15	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.303	3.664	2.817	0.005	0.160	0.147	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.213	3.201	1.638	0.005	0.072	0.066	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.170	1.140	1.616	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	50	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	120	0.209	3.522	2.109	0.005	0.086	0.079	477.188	0.154	0.004
Tractors/Loaders/Backhoes	175	0.162	3.083	1.180	0.005	0.059	0.054	469.329	0.152	0.004
Tractors/Loaders/Backhoes	250	0.154	1.146	1.235	0.005	0.047	0.044	470.598	0.152	0.004
Tractors/Loaders/Backhoes	500	0.144	1.234	1.046	0.005	0.039	0.036	470.910	0.152	0.004
Tractors/Loaders/Backhoes	750	0.187	1.261	1.649	0.005	0.067	0.062	466.452	0.151	0.004
Trenchers	15	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005

2025

2025		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	50	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	120	0.457	3.734	4.279	0.005	0.285	0.262	475.901	0.154	0.004
Trenchers	175	0.358	3.309	3.549	0.005	0.179	0.165	467.732	0.151	0.004
Trenchers	250	0.307	1.601	3.315	0.005	0.144	0.133	473.917	0.153	0.004
Trenchers	500	0.191	1.676	1.826	0.005	0.079	0.072	470.439	0.152	0.004
Trenchers	750	0.067	0.962	0.305	0.005	0.009	0.009	474.486	0.154	0.004
Welders	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Welders	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Welders	50	0.602	4.524	3.676	0.007	0.112	0.112	568.299	0.054	0.005
Welders	120	0.316	3.557	2.283	0.006	0.102	0.102	568.299	0.028	0.004
Welders	175	0.245	3.121	1.365	0.006	0.063	0.063	568.299	0.022	0.004
Welders	250	0.199	1.065	1.075	0.006	0.032	0.032	568.299	0.018	0.004
Welders	500	0.196	1.029	0.990	0.005	0.031	0.031	568.299	0.017	0.004
Water Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Water Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Water Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Water Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Water Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004

2026

2026		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	25	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	50	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	120	0.099	3.167	1.511	0.005	0.026	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.085	0.970	0.649	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.153	0.989	0.974	0.005	0.028	0.028	568.299	0.013	0.004
Air Compressors	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressors	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressors	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressors	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressors	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressors	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressors	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	1000	0.231	1.079	2.954	0.005	0.055	0.055	568.299	0.020	0.004
Bore/Drill Rigs	15	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	25	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	50	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	120	0.155	3.218	1.964	0.005	0.067	0.062	459.829	0.149	0.004
Bore/Drill Rigs	175	0.114	2.974	0.888	0.005	0.039	0.036	478.266	0.155	0.004
Bore/Drill Rigs	250	0.107	1.045	0.957	0.005	0.031	0.029	470.654	0.152	0.004
Bore/Drill Rigs	500	0.102	0.997	0.823	0.005	0.028	0.026	467.289	0.151	0.004
Bore/Drill Rigs	750	0.085	0.983	0.596	0.005	0.023	0.021	481.250	0.156	0.004
Bore/Drill Rigs	1000	0.062	0.953	2.289	0.005	0.019	0.017	471.917	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.689	2.344	4.357	0.007	0.168	0.168	568.299	0.062	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Industrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Industrial Saws	175	0.220	3.073	1.249	0.006	0.056	0.056	568.300	0.019	0.004
Cranes	50	1.811	7.072	5.636	0.005	0.543	0.499	517.872	0.168	0.005
Cranes	120	0.463	3.831	4.135	0.005	0.260	0.240	469.533	0.152	0.004
Cranes	175	0.334	3.335	3.160	0.005	0.166	0.153	474.748	0.154	0.004
Cranes	250	0.265	1.470	2.681	0.005	0.114	0.105	472.980	0.153	0.004
Cranes	500	0.218	1.834	2.154	0.005	0.088	0.081	471.967	0.153	0.004
Cranes	750	0.172	1.274	1.638	0.005	0.068	0.062	470.276	0.152	0.004
Cranes	9999	0.229	1.038	2.422	0.005	0.065	0.060	472.055	0.153	0.004
Crawler Tractors	50	1.744	6.686	4.936	0.005	0.456	0.420	516.128	0.167	0.005
Crawler Tractors	120	0.454	3.788	3.961	0.005	0.285	0.262	476.134	0.154	0.004
Crawler Tractors	175	0.298	3.209	2.688	0.005	0.150	0.138	471.592	0.153	0.004
Crawler Tractors	250	0.232	1.308	2.462	0.005	0.096	0.088	471.622	0.153	0.004

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2026		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.208	1.717	1.920	0.005	0.081	0.074	474.007	0.153	0.004
Crawler Tractors	750	0.167	1.122	1.545	0.005	0.057	0.052	472.408	0.153	0.004
Crawler Tractors	1000	0.260	1.593	4.598	0.005	0.112	0.103	475.490	0.154	0.004
Crushing/Proc. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Proc. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Proc. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Proc. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Proc. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	50	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	120	0.201	3.439	2.082	0.005	0.085	0.078	466.738	0.151	0.004
Excavators	175	0.158	3.078	1.154	0.005	0.057	0.052	472.496	0.153	0.004
Excavators	250	0.131	1.081	0.962	0.005	0.032	0.029	472.560	0.153	0.004
Excavators	500	0.115	1.051	0.726	0.005	0.026	0.024	470.292	0.152	0.004
Excavators	750	0.139	1.135	1.026	0.005	0.038	0.035	468.558	0.152	0.004
Forklifts	50	0.636	5.029	3.932	0.005	0.178	0.164	525.483	0.170	0.005
Forklifts	120	0.277	3.611	2.607	0.005	0.140	0.128	471.529	0.153	0.004
Forklifts	175	0.209	3.170	1.653	0.005	0.084	0.078	472.106	0.153	0.004
Forklifts	250	0.191	1.214	1.466	0.005	0.056	0.052	473.326	0.153	0.004
Forklifts	500	0.215	1.222	1.658	0.005	0.062	0.057	473.615	0.153	0.004
Generator Sets	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Generator Sets	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Generator Sets	50	0.440	3.758	3.481	0.007	0.093	0.093	568.300	0.039	0.005
Generator Sets	120	0.243	3.338	2.185	0.006	0.087	0.087	568.299	0.021	0.004
Generator Sets	175	0.184	2.930	1.297	0.006	0.053	0.053	568.299	0.016	0.004
Generator Sets	250	0.147	1.000	1.020	0.006	0.028	0.028	568.299	0.013	0.004
Generator Sets	500	0.144	0.981	0.945	0.005	0.027	0.027	568.300	0.013	0.004
Generator Sets	750	0.145	0.981	0.964	0.005	0.027	0.027	568.299	0.013	0.004
Generator Sets	9999	0.173	1.008	2.812	0.005	0.047	0.047	568.299	0.015	0.004
Graders	50	1.864	7.125	5.043	0.005	0.522	0.480	493.532	0.160	0.005
Graders	120	0.638	4.149	5.074	0.005	0.371	0.342	468.316	0.152	0.004
Graders	175	0.329	3.418	2.774	0.005	0.152	0.140	478.508	0.155	0.004
Graders	250	0.230	1.179	2.556	0.005	0.082	0.076	473.470	0.153	0.004
Graders	500	0.280	1.315	2.265	0.005	0.088	0.081	470.753	0.152	0.004
Graders	750	0.253	1.141	1.125	0.005	0.041	0.041	568.300	0.022	0.004
Off-Highway Tractors	120	0.276	3.669	2.707	0.005	0.144	0.132	476.921	0.154	0.004
Off-Highway Tractors	175	0.175	3.142	1.349	0.005	0.065	0.060	473.302	0.153	0.004
Off-Highway Tractors	250	0.155	1.130	1.116	0.005	0.040	0.037	470.861	0.152	0.004
Off-Highway Tractors	750	0.167	1.135	1.118	0.005	0.045	0.041	471.917	0.153	0.004
Off-Highway Tractors	1000	0.198	1.077	2.482	0.005	0.070	0.064	472.055	0.153	0.004
Off-Highway Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Off-Highway Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004

2026

2026		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Off-Highway Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Off-Highway Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004
Other Construction Equipment	15	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	25	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	50	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	120	0.341	3.584	3.252	0.005	0.203	0.187	472.748	0.153	0.004
Other Construction Equipment	175	0.235	3.136	2.167	0.005	0.112	0.103	469.843	0.152	0.004
Other Construction Equipment	500	0.168	1.358	1.552	0.005	0.059	0.055	476.296	0.154	0.004
Other General Industrial Equipment	15	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	25	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	50	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	120	0.258	3.612	2.439	0.005	0.118	0.109	470.000	0.152	0.004
Other General Industrial Equipment	175	0.189	3.204	1.364	0.005	0.070	0.065	471.850	0.153	0.004
Other General Industrial Equipment	250	0.155	1.132	1.028	0.005	0.036	0.033	473.223	0.153	0.004
Other General Industrial Equipment	500	0.152	1.109	1.053	0.005	0.035	0.033	472.929	0.153	0.004
Other General Industrial Equipment	750	0.117	1.115	0.629	0.005	0.023	0.021	473.464	0.153	0.004
Other General Industrial Equipment	1000	0.203	1.067	3.985	0.005	0.081	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.744	5.248	4.233	0.005	0.239	0.219	523.709	0.169	0.005
Other Material Handling Equipment	120	0.203	3.497	2.055	0.005	0.081	0.074	473.588	0.153	0.004
Other Material Handling Equipment	175	0.189	3.168	1.396	0.005	0.072	0.067	472.219	0.153	0.004
Other Material Handling Equipment	250	0.200	1.197	1.774	0.005	0.060	0.055	471.482	0.153	0.004
Other Material Handling Equipment	500	0.204	1.260	1.601	0.005	0.067	0.061	470.297	0.152	0.004

2026

2026		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.065	0.959	2.298	0.005	0.019	0.017	472.055	0.153	0.004
Pavers	25	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	50	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	120	0.314	3.493	3.068	0.005	0.191	0.175	469.899	0.152	0.004
Pavers	175	0.181	3.007	1.644	0.005	0.077	0.071	472.485	0.153	0.004
Pavers	250	0.107	1.004	1.035	0.005	0.034	0.031	473.483	0.153	0.004
Pavers	500	0.115	0.969	1.134	0.005	0.039	0.036	465.882	0.151	0.004
Paving Equipment	25	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	50	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	120	0.242	3.483	2.496	0.005	0.118	0.108	473.424	0.153	0.004
Paving Equipment	175	0.175	3.038	1.509	0.005	0.075	0.069	470.484	0.152	0.004
Paving Equipment	250	0.133	1.117	1.110	0.005	0.043	0.040	472.234	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Pressure Washers	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Pressure Washers	50	0.306	3.210	3.344	0.007	0.075	0.075	568.299	0.027	0.005
Pressure Washers	120	0.189	3.186	2.100	0.006	0.072	0.072	568.299	0.017	0.004
Pressure Washers	175	0.178	2.907	1.310	0.006	0.053	0.053	568.299	0.016	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.683	3.491	4.278	0.008	0.183	0.183	568.299	0.061	0.005
Pumps	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Pumps	50	0.485	3.943	3.528	0.007	0.099	0.099	568.299	0.043	0.005
Pumps	120	0.261	3.389	2.213	0.006	0.092	0.092	568.299	0.023	0.004
Pumps	175	0.199	2.974	1.318	0.006	0.056	0.056	568.300	0.018	0.004
Pumps	250	0.159	1.016	1.038	0.006	0.029	0.029	568.299	0.014	0.004
Pumps	500	0.156	0.992	0.958	0.005	0.028	0.028	568.300	0.014	0.004
Pumps	750	0.157	0.992	0.977	0.005	0.029	0.029	568.300	0.014	0.004
Pumps	9999	0.186	1.020	2.840	0.005	0.049	0.049	568.299	0.016	0.004
Rollers	15	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	25	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	50	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	120	0.255	3.444	2.691	0.005	0.135	0.125	473.851	0.153	0.004
Rollers	175	0.127	2.909	1.101	0.005	0.049	0.046	471.970	0.153	0.004
Rollers	250	0.173	1.215	1.783	0.005	0.066	0.060	473.681	0.153	0.004
Rollers	500	0.212	1.968	2.200	0.005	0.091	0.083	477.573	0.155	0.004
Rough Terrain Forklifts	50	0.456	3.740	3.477	0.005	0.128	0.118	525.027	0.170	0.005
Rough Terrain Forklifts	120	0.137	3.240	1.821	0.005	0.051	0.047	473.037	0.153	0.004
Rough Terrain Forklifts	175	0.087	2.821	0.786	0.005	0.030	0.028	471.475	0.153	0.004
Rough Terrain Forklifts	250	0.123	1.001	1.489	0.005	0.035	0.033	472.927	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.942	0.477	0.005	0.009	0.008	466.541	0.151	0.004
Rubber Tired Dozers	175	0.461	3.612	4.229	0.005	0.231	0.212	474.103	0.153	0.004
Rubber Tired Dozers	250	0.372	1.720	3.805	0.005	0.167	0.153	474.573	0.154	0.004
Rubber Tired Dozers	500	0.367	2.959	3.370	0.005	0.151	0.139	479.092	0.155	0.004
Rubber Tired Dozers	750	0.428	2.601	5.333	0.005	0.196	0.181	472.998	0.153	0.004
Rubber Tired Dozers	1000	0.414	1.725	4.365	0.005	0.115	0.115	568.299	0.037	0.004
Rubber Tired Loaders	25	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005

2026

2026		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	120	0.352	3.791	2.970	0.005	0.179	0.165	466.898	0.151	0.004
Rubber Tired Loaders	175	0.224	3.281	1.590	0.005	0.084	0.077	470.459	0.152	0.004
Rubber Tired Loaders	250	0.177	1.142	1.442	0.005	0.048	0.045	469.871	0.152	0.004
Rubber Tired Loaders	500	0.193	1.276	1.433	0.005	0.053	0.048	469.143	0.152	0.004
Rubber Tired Loaders	750	0.212	1.333	1.654	0.005	0.064	0.059	465.052	0.150	0.004
Rubber Tired Loaders	1000	0.166	1.122	3.089	0.005	0.052	0.048	472.456	0.153	0.004
Scrapers	120	0.566	4.094	5.503	0.005	0.405	0.372	482.363	0.156	0.004
Scrapers	175	0.290	3.321	2.631	0.005	0.137	0.126	478.948	0.155	0.004
Scrapers	250	0.291	1.602	2.803	0.005	0.125	0.115	469.446	0.152	0.004
Scrapers	500	0.216	1.732	2.051	0.005	0.081	0.074	472.539	0.153	0.004
Scrapers	750	0.184	1.338	1.713	0.005	0.064	0.059	472.115	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.522	4.217	3.561	0.007	0.098	0.098	568.299	0.047	0.005
Signal Boards	120	0.278	3.470	2.179	0.006	0.089	0.089	568.299	0.025	0.004
Signal Boards	175	0.215	3.049	1.262	0.006	0.055	0.055	568.299	0.019	0.004
Signal Boards	250	0.213	1.257	1.192	0.007	0.035	0.035	686.695	0.019	0.004
Skid Steer Loaders	25	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	50	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	120	0.140	3.252	1.867	0.005	0.057	0.052	472.630	0.153	0.004
Surfacing Equipment	50	0.235	3.537	3.576	0.006	0.082	0.075	536.140	0.173	0.005
Surfacing Equipment	120	0.232	3.385	2.659	0.005	0.124	0.114	476.766	0.154	0.004
Surfacing Equipment	175	0.187	2.926	1.999	0.005	0.094	0.087	471.040	0.152	0.004
Surfacing Equipment	250	0.148	1.143	1.747	0.005	0.055	0.051	477.110	0.154	0.004
Surfacing Equipment	500	0.128	1.169	1.327	0.005	0.051	0.047	470.283	0.152	0.004
Surfacing Equipment	750	0.085	0.978	0.768	0.005	0.027	0.025	470.551	0.152	0.004
Sweepers/Scrubbers	15	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.303	3.664	2.817	0.005	0.160	0.147	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.213	3.201	1.638	0.005	0.072	0.066	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.170	1.140	1.616	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	50	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	120	0.209	3.522	2.109	0.005	0.086	0.079	477.188	0.154	0.004
Tractors/Loaders/Backhoes	175	0.162	3.083	1.180	0.005	0.059	0.054	469.329	0.152	0.004
Tractors/Loaders/Backhoes	250	0.154	1.146	1.235	0.005	0.047	0.044	470.598	0.152	0.004
Tractors/Loaders/Backhoes	500	0.144	1.234	1.046	0.005	0.039	0.036	470.910	0.152	0.004
Tractors/Loaders/Backhoes	750	0.187	1.261	1.649	0.005	0.067	0.062	466.452	0.151	0.004
Trenchers	15	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005

2026

2026		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	50	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	120	0.457	3.734	4.279	0.005	0.285	0.262	475.901	0.154	0.004
Trenchers	175	0.358	3.309	3.549	0.005	0.179	0.165	467.732	0.151	0.004
Trenchers	250	0.307	1.601	3.315	0.005	0.144	0.133	473.917	0.153	0.004
Trenchers	500	0.191	1.676	1.826	0.005	0.079	0.072	470.439	0.152	0.004
Trenchers	750	0.067	0.962	0.305	0.005	0.009	0.009	474.486	0.154	0.004
Welders	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Welders	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Welders	50	0.602	4.524	3.676	0.007	0.112	0.112	568.299	0.054	0.005
Welders	120	0.316	3.557	2.283	0.006	0.102	0.102	568.299	0.028	0.004
Welders	175	0.245	3.121	1.365	0.006	0.063	0.063	568.299	0.022	0.004
Welders	250	0.199	1.065	1.075	0.006	0.032	0.032	568.299	0.018	0.004
Welders	500	0.196	1.029	0.990	0.005	0.031	0.031	568.299	0.017	0.004
Water Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Water Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Water Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Water Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Water Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004

2027

2027		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	25	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	50	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	120	0.099	3.167	1.511	0.005	0.026	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.085	0.970	0.649	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.153	0.989	0.974	0.005	0.028	0.028	568.299	0.013	0.004
Air Compressors	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressors	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressors	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressors	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressors	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressors	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressors	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	1000	0.231	1.079	2.954	0.005	0.055	0.055	568.299	0.020	0.004
Bore/Drill Rigs	15	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	25	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	50	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	120	0.155	3.218	1.964	0.005	0.067	0.062	459.829	0.149	0.004
Bore/Drill Rigs	175	0.114	2.974	0.888	0.005	0.039	0.036	478.266	0.155	0.004
Bore/Drill Rigs	250	0.107	1.045	0.957	0.005	0.031	0.029	470.654	0.152	0.004
Bore/Drill Rigs	500	0.102	0.997	0.823	0.005	0.028	0.026	467.289	0.151	0.004
Bore/Drill Rigs	750	0.085	0.983	0.596	0.005	0.023	0.021	481.250	0.156	0.004
Bore/Drill Rigs	1000	0.062	0.953	2.289	0.005	0.019	0.017	471.917	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.689	2.344	4.357	0.007	0.168	0.168	568.299	0.062	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Industrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Industrial Saws	175	0.220	3.073	1.249	0.006	0.056	0.056	568.300	0.019	0.004
Cranes	50	1.811	7.072	5.636	0.005	0.543	0.499	517.872	0.168	0.005
Cranes	120	0.463	3.831	4.135	0.005	0.260	0.240	469.533	0.152	0.004
Cranes	175	0.334	3.335	3.160	0.005	0.166	0.153	474.748	0.154	0.004
Cranes	250	0.265	1.470	2.681	0.005	0.114	0.105	472.980	0.153	0.004
Cranes	500	0.218	1.834	2.154	0.005	0.088	0.081	471.967	0.153	0.004
Cranes	750	0.172	1.274	1.638	0.005	0.068	0.062	470.276	0.152	0.004
Cranes	9999	0.229	1.038	2.422	0.005	0.065	0.060	472.055	0.153	0.004
Crawler Tractors	50	1.744	6.686	4.936	0.005	0.456	0.420	516.128	0.167	0.005
Crawler Tractors	120	0.454	3.788	3.961	0.005	0.285	0.262	476.134	0.154	0.004
Crawler Tractors	175	0.298	3.209	2.688	0.005	0.150	0.138	471.592	0.153	0.004
Crawler Tractors	250	0.232	1.308	2.462	0.005	0.096	0.088	471.622	0.153	0.004

2027

2027		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.208	1.717	1.920	0.005	0.081	0.074	474.007	0.153	0.004
Crawler Tractors	750	0.167	1.122	1.545	0.005	0.057	0.052	472.408	0.153	0.004
Crawler Tractors	1000	0.260	1.593	4.598	0.005	0.112	0.103	475.490	0.154	0.004
Crushing/Proc. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Proc. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Proc. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Proc. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Proc. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	50	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	120	0.201	3.439	2.082	0.005	0.085	0.078	466.738	0.151	0.004
Excavators	175	0.158	3.078	1.154	0.005	0.057	0.052	472.496	0.153	0.004
Excavators	250	0.131	1.081	0.962	0.005	0.032	0.029	472.560	0.153	0.004
Excavators	500	0.115	1.051	0.726	0.005	0.026	0.024	470.292	0.152	0.004
Excavators	750	0.139	1.135	1.026	0.005	0.038	0.035	468.558	0.152	0.004
Forklifts	50	0.636	5.029	3.932	0.005	0.178	0.164	525.483	0.170	0.005
Forklifts	120	0.277	3.611	2.607	0.005	0.140	0.128	471.529	0.153	0.004
Forklifts	175	0.209	3.170	1.653	0.005	0.084	0.078	472.106	0.153	0.004
Forklifts	250	0.191	1.214	1.466	0.005	0.056	0.052	473.326	0.153	0.004
Forklifts	500	0.215	1.222	1.658	0.005	0.062	0.057	473.615	0.153	0.004
Generator Sets	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Generator Sets	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Generator Sets	50	0.440	3.758	3.481	0.007	0.093	0.093	568.300	0.039	0.005
Generator Sets	120	0.243	3.338	2.185	0.006	0.087	0.087	568.299	0.021	0.004
Generator Sets	175	0.184	2.930	1.297	0.006	0.053	0.053	568.299	0.016	0.004
Generator Sets	250	0.147	1.000	1.020	0.006	0.028	0.028	568.299	0.013	0.004
Generator Sets	500	0.144	0.981	0.945	0.005	0.027	0.027	568.300	0.013	0.004
Generator Sets	750	0.145	0.981	0.964	0.005	0.027	0.027	568.299	0.013	0.004
Generator Sets	9999	0.173	1.008	2.812	0.005	0.047	0.047	568.299	0.015	0.004
Graders	50	1.864	7.125	5.043	0.005	0.522	0.480	493.532	0.160	0.005
Graders	120	0.638	4.149	5.074	0.005	0.371	0.342	468.316	0.152	0.004
Graders	175	0.329	3.418	2.774	0.005	0.152	0.140	478.508	0.155	0.004
Graders	250	0.230	1.179	2.556	0.005	0.082	0.076	473.470	0.153	0.004
Graders	500	0.280	1.315	2.265	0.005	0.088	0.081	470.753	0.152	0.004
Graders	750	0.253	1.141	1.125	0.005	0.041	0.041	568.300	0.022	0.004
Off-Highway Tractors	120	0.276	3.669	2.707	0.005	0.144	0.132	476.921	0.154	0.004
Off-Highway Tractors	175	0.175	3.142	1.349	0.005	0.065	0.060	473.302	0.153	0.004
Off-Highway Tractors	250	0.155	1.130	1.116	0.005	0.040	0.037	470.861	0.152	0.004
Off-Highway Tractors	750	0.167	1.135	1.118	0.005	0.045	0.041	471.917	0.153	0.004
Off-Highway Tractors	1000	0.198	1.077	2.482	0.005	0.070	0.064	472.055	0.153	0.004
Off-Highway Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Off-Highway Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004

2027

2027		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Off-Highway Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Off-Highway Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004
Other Construction Equipment	15	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	25	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	50	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	120	0.341	3.584	3.252	0.005	0.203	0.187	472.748	0.153	0.004
Other Construction Equipment	175	0.235	3.136	2.167	0.005	0.112	0.103	469.843	0.152	0.004
Other Construction Equipment	500	0.168	1.358	1.552	0.005	0.059	0.055	476.296	0.154	0.004
Other General Industrial Equipment	15	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	25	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	50	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	120	0.258	3.612	2.439	0.005	0.118	0.109	470.000	0.152	0.004
Other General Industrial Equipment	175	0.189	3.204	1.364	0.005	0.070	0.065	471.850	0.153	0.004
Other General Industrial Equipment	250	0.155	1.132	1.028	0.005	0.036	0.033	473.223	0.153	0.004
Other General Industrial Equipment	500	0.152	1.109	1.053	0.005	0.035	0.033	472.929	0.153	0.004
Other General Industrial Equipment	750	0.117	1.115	0.629	0.005	0.023	0.021	473.464	0.153	0.004
Other General Industrial Equipment	1000	0.203	1.067	3.985	0.005	0.081	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.744	5.248	4.233	0.005	0.239	0.219	523.709	0.169	0.005
Other Material Handling Equipment	120	0.203	3.497	2.055	0.005	0.081	0.074	473.588	0.153	0.004
Other Material Handling Equipment	175	0.189	3.168	1.396	0.005	0.072	0.067	472.219	0.153	0.004
Other Material Handling Equipment	250	0.200	1.197	1.774	0.005	0.060	0.055	471.482	0.153	0.004
Other Material Handling Equipment	500	0.204	1.260	1.601	0.005	0.067	0.061	470.297	0.152	0.004

2027

2027		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.065	0.959	2.298	0.005	0.019	0.017	472.055	0.153	0.004
Pavers	25	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	50	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	120	0.314	3.493	3.068	0.005	0.191	0.175	469.899	0.152	0.004
Pavers	175	0.181	3.007	1.644	0.005	0.077	0.071	472.485	0.153	0.004
Pavers	250	0.107	1.004	1.035	0.005	0.034	0.031	473.483	0.153	0.004
Pavers	500	0.115	0.969	1.134	0.005	0.039	0.036	465.882	0.151	0.004
Paving Equipment	25	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	50	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	120	0.242	3.483	2.496	0.005	0.118	0.108	473.424	0.153	0.004
Paving Equipment	175	0.175	3.038	1.509	0.005	0.075	0.069	470.484	0.152	0.004
Paving Equipment	250	0.133	1.117	1.110	0.005	0.043	0.040	472.234	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Pressure Washers	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Pressure Washers	50	0.306	3.210	3.344	0.007	0.075	0.075	568.299	0.027	0.005
Pressure Washers	120	0.189	3.186	2.100	0.006	0.072	0.072	568.299	0.017	0.004
Pressure Washers	175	0.178	2.907	1.310	0.006	0.053	0.053	568.299	0.016	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.683	3.491	4.278	0.008	0.183	0.183	568.299	0.061	0.005
Pumps	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Pumps	50	0.485	3.943	3.528	0.007	0.099	0.099	568.299	0.043	0.005
Pumps	120	0.261	3.389	2.213	0.006	0.092	0.092	568.299	0.023	0.004
Pumps	175	0.199	2.974	1.318	0.006	0.056	0.056	568.300	0.018	0.004
Pumps	250	0.159	1.016	1.038	0.006	0.029	0.029	568.299	0.014	0.004
Pumps	500	0.156	0.992	0.958	0.005	0.028	0.028	568.300	0.014	0.004
Pumps	750	0.157	0.992	0.977	0.005	0.029	0.029	568.300	0.014	0.004
Pumps	9999	0.186	1.020	2.840	0.005	0.049	0.049	568.299	0.016	0.004
Rollers	15	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	25	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	50	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	120	0.255	3.444	2.691	0.005	0.135	0.125	473.851	0.153	0.004
Rollers	175	0.127	2.909	1.101	0.005	0.049	0.046	471.970	0.153	0.004
Rollers	250	0.173	1.215	1.783	0.005	0.066	0.060	473.681	0.153	0.004
Rollers	500	0.212	1.968	2.200	0.005	0.091	0.083	477.573	0.155	0.004
Rough Terrain Forklifts	50	0.456	3.740	3.477	0.005	0.128	0.118	525.027	0.170	0.005
Rough Terrain Forklifts	120	0.137	3.240	1.821	0.005	0.051	0.047	473.037	0.153	0.004
Rough Terrain Forklifts	175	0.087	2.821	0.786	0.005	0.030	0.028	471.475	0.153	0.004
Rough Terrain Forklifts	250	0.123	1.001	1.489	0.005	0.035	0.033	472.927	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.942	0.477	0.005	0.009	0.008	466.541	0.151	0.004
Rubber Tired Dozers	175	0.461	3.612	4.229	0.005	0.231	0.212	474.103	0.153	0.004
Rubber Tired Dozers	250	0.372	1.720	3.805	0.005	0.167	0.153	474.573	0.154	0.004
Rubber Tired Dozers	500	0.367	2.959	3.370	0.005	0.151	0.139	479.092	0.155	0.004
Rubber Tired Dozers	750	0.428	2.601	5.333	0.005	0.196	0.181	472.998	0.153	0.004
Rubber Tired Dozers	1000	0.414	1.725	4.365	0.005	0.115	0.115	568.299	0.037	0.004
Rubber Tired Loaders	25	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005

2027

2027		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	120	0.352	3.791	2.970	0.005	0.179	0.165	466.898	0.151	0.004
Rubber Tired Loaders	175	0.224	3.281	1.590	0.005	0.084	0.077	470.459	0.152	0.004
Rubber Tired Loaders	250	0.177	1.142	1.442	0.005	0.048	0.045	469.871	0.152	0.004
Rubber Tired Loaders	500	0.193	1.276	1.433	0.005	0.053	0.048	469.143	0.152	0.004
Rubber Tired Loaders	750	0.212	1.333	1.654	0.005	0.064	0.059	465.052	0.150	0.004
Rubber Tired Loaders	1000	0.166	1.122	3.089	0.005	0.052	0.048	472.456	0.153	0.004
Scrapers	120	0.566	4.094	5.503	0.005	0.405	0.372	482.363	0.156	0.004
Scrapers	175	0.290	3.321	2.631	0.005	0.137	0.126	478.948	0.155	0.004
Scrapers	250	0.291	1.602	2.803	0.005	0.125	0.115	469.446	0.152	0.004
Scrapers	500	0.216	1.732	2.051	0.005	0.081	0.074	472.539	0.153	0.004
Scrapers	750	0.184	1.338	1.713	0.005	0.064	0.059	472.115	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.522	4.217	3.561	0.007	0.098	0.098	568.299	0.047	0.005
Signal Boards	120	0.278	3.470	2.179	0.006	0.089	0.089	568.299	0.025	0.004
Signal Boards	175	0.215	3.049	1.262	0.006	0.055	0.055	568.299	0.019	0.004
Signal Boards	250	0.213	1.257	1.192	0.007	0.035	0.035	686.695	0.019	0.004
Skid Steer Loaders	25	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	50	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	120	0.140	3.252	1.867	0.005	0.057	0.052	472.630	0.153	0.004
Surfacing Equipment	50	0.235	3.537	3.576	0.006	0.082	0.075	536.140	0.173	0.005
Surfacing Equipment	120	0.232	3.385	2.659	0.005	0.124	0.114	476.766	0.154	0.004
Surfacing Equipment	175	0.187	2.926	1.999	0.005	0.094	0.087	471.040	0.152	0.004
Surfacing Equipment	250	0.148	1.143	1.747	0.005	0.055	0.051	477.110	0.154	0.004
Surfacing Equipment	500	0.128	1.169	1.327	0.005	0.051	0.047	470.283	0.152	0.004
Surfacing Equipment	750	0.085	0.978	0.768	0.005	0.027	0.025	470.551	0.152	0.004
Sweepers/Scrubbers	15	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.303	3.664	2.817	0.005	0.160	0.147	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.213	3.201	1.638	0.005	0.072	0.066	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.170	1.140	1.616	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	50	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	120	0.209	3.522	2.109	0.005	0.086	0.079	477.188	0.154	0.004
Tractors/Loaders/Backhoes	175	0.162	3.083	1.180	0.005	0.059	0.054	469.329	0.152	0.004
Tractors/Loaders/Backhoes	250	0.154	1.146	1.235	0.005	0.047	0.044	470.598	0.152	0.004
Tractors/Loaders/Backhoes	500	0.144	1.234	1.046	0.005	0.039	0.036	470.910	0.152	0.004
Tractors/Loaders/Backhoes	750	0.187	1.261	1.649	0.005	0.067	0.062	466.452	0.151	0.004
Trenchers	15	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005

2027

2027		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	50	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	120	0.457	3.734	4.279	0.005	0.285	0.262	475.901	0.154	0.004
Trenchers	175	0.358	3.309	3.549	0.005	0.179	0.165	467.732	0.151	0.004
Trenchers	250	0.307	1.601	3.315	0.005	0.144	0.133	473.917	0.153	0.004
Trenchers	500	0.191	1.676	1.826	0.005	0.079	0.072	470.439	0.152	0.004
Trenchers	750	0.067	0.962	0.305	0.005	0.009	0.009	474.486	0.154	0.004
Welders	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Welders	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Welders	50	0.602	4.524	3.676	0.007	0.112	0.112	568.299	0.054	0.005
Welders	120	0.316	3.557	2.283	0.006	0.102	0.102	568.299	0.028	0.004
Welders	175	0.245	3.121	1.365	0.006	0.063	0.063	568.299	0.022	0.004
Welders	250	0.199	1.065	1.075	0.006	0.032	0.032	568.299	0.018	0.004
Welders	500	0.196	1.029	0.990	0.005	0.031	0.031	568.299	0.017	0.004
Water Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Water Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Water Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Water Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Water Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004

2028

2028		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	25	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	50	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	120	0.099	3.167	1.511	0.005	0.026	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.085	0.970	0.649	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.153	0.989	0.974	0.005	0.028	0.028	568.299	0.013	0.004
Air Compressors	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressors	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressors	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressors	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressors	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressors	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressors	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	1000	0.231	1.079	2.954	0.005	0.055	0.055	568.299	0.020	0.004
Bore/Drill Rigs	15	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	25	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	50	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	120	0.155	3.218	1.964	0.005	0.067	0.062	459.829	0.149	0.004
Bore/Drill Rigs	175	0.114	2.974	0.888	0.005	0.039	0.036	478.266	0.155	0.004
Bore/Drill Rigs	250	0.107	1.045	0.957	0.005	0.031	0.029	470.654	0.152	0.004
Bore/Drill Rigs	500	0.102	0.997	0.823	0.005	0.028	0.026	467.289	0.151	0.004
Bore/Drill Rigs	750	0.085	0.983	0.596	0.005	0.023	0.021	481.250	0.156	0.004
Bore/Drill Rigs	1000	0.062	0.953	2.289	0.005	0.019	0.017	471.917	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.689	2.344	4.357	0.007	0.168	0.168	568.299	0.062	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Industrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Industrial Saws	175	0.220	3.073	1.249	0.006	0.056	0.056	568.300	0.019	0.004
Cranes	50	1.811	7.072	5.636	0.005	0.543	0.499	517.872	0.168	0.005
Cranes	120	0.463	3.831	4.135	0.005	0.260	0.240	469.533	0.152	0.004
Cranes	175	0.334	3.335	3.160	0.005	0.166	0.153	474.748	0.154	0.004
Cranes	250	0.265	1.470	2.681	0.005	0.114	0.105	472.980	0.153	0.004
Cranes	500	0.218	1.834	2.154	0.005	0.088	0.081	471.967	0.153	0.004
Cranes	750	0.172	1.274	1.638	0.005	0.068	0.062	470.276	0.152	0.004
Cranes	9999	0.229	1.038	2.422	0.005	0.065	0.060	472.055	0.153	0.004
Crawler Tractors	50	1.744	6.686	4.936	0.005	0.456	0.420	516.128	0.167	0.005
Crawler Tractors	120	0.454	3.788	3.961	0.005	0.285	0.262	476.134	0.154	0.004
Crawler Tractors	175	0.298	3.209	2.688	0.005	0.150	0.138	471.592	0.153	0.004
Crawler Tractors	250	0.232	1.308	2.462	0.005	0.096	0.088	471.622	0.153	0.004

2028

2028		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.208	1.717	1.920	0.005	0.081	0.074	474.007	0.153	0.004
Crawler Tractors	750	0.167	1.122	1.545	0.005	0.057	0.052	472.408	0.153	0.004
Crawler Tractors	1000	0.260	1.593	4.598	0.005	0.112	0.103	475.490	0.154	0.004
Crushing/Proc. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Proc. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Proc. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Proc. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Proc. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	50	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	120	0.201	3.439	2.082	0.005	0.085	0.078	466.738	0.151	0.004
Excavators	175	0.158	3.078	1.154	0.005	0.057	0.052	472.496	0.153	0.004
Excavators	250	0.131	1.081	0.962	0.005	0.032	0.029	472.560	0.153	0.004
Excavators	500	0.115	1.051	0.726	0.005	0.026	0.024	470.292	0.152	0.004
Excavators	750	0.139	1.135	1.026	0.005	0.038	0.035	468.558	0.152	0.004
Forklifts	50	0.636	5.029	3.932	0.005	0.178	0.164	525.483	0.170	0.005
Forklifts	120	0.277	3.611	2.607	0.005	0.140	0.128	471.529	0.153	0.004
Forklifts	175	0.209	3.170	1.653	0.005	0.084	0.078	472.106	0.153	0.004
Forklifts	250	0.191	1.214	1.466	0.005	0.056	0.052	473.326	0.153	0.004
Forklifts	500	0.215	1.222	1.658	0.005	0.062	0.057	473.615	0.153	0.004
Generator Sets	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Generator Sets	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Generator Sets	50	0.440	3.758	3.481	0.007	0.093	0.093	568.300	0.039	0.005
Generator Sets	120	0.243	3.338	2.185	0.006	0.087	0.087	568.299	0.021	0.004
Generator Sets	175	0.184	2.930	1.297	0.006	0.053	0.053	568.299	0.016	0.004
Generator Sets	250	0.147	1.000	1.020	0.006	0.028	0.028	568.299	0.013	0.004
Generator Sets	500	0.144	0.981	0.945	0.005	0.027	0.027	568.300	0.013	0.004
Generator Sets	750	0.145	0.981	0.964	0.005	0.027	0.027	568.299	0.013	0.004
Generator Sets	9999	0.173	1.008	2.812	0.005	0.047	0.047	568.299	0.015	0.004
Graders	50	1.864	7.125	5.043	0.005	0.522	0.480	493.532	0.160	0.005
Graders	120	0.638	4.149	5.074	0.005	0.371	0.342	468.316	0.152	0.004
Graders	175	0.329	3.418	2.774	0.005	0.152	0.140	478.508	0.155	0.004
Graders	250	0.230	1.179	2.556	0.005	0.082	0.076	473.470	0.153	0.004
Graders	500	0.280	1.315	2.265	0.005	0.088	0.081	470.753	0.152	0.004
Graders	750	0.253	1.141	1.125	0.005	0.041	0.041	568.300	0.022	0.004
Off-Highway Tractors	120	0.276	3.669	2.707	0.005	0.144	0.132	476.921	0.154	0.004
Off-Highway Tractors	175	0.175	3.142	1.349	0.005	0.065	0.060	473.302	0.153	0.004
Off-Highway Tractors	250	0.155	1.130	1.116	0.005	0.040	0.037	470.861	0.152	0.004
Off-Highway Tractors	750	0.167	1.135	1.118	0.005	0.045	0.041	471.917	0.153	0.004
Off-Highway Tractors	1000	0.198	1.077	2.482	0.005	0.070	0.064	472.055	0.153	0.004
Off-Highway Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Off-Highway Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004

2028

2028		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Off-Highway Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Off-Highway Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004
Other Construction Equipment	15	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	25	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	50	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	120	0.341	3.584	3.252	0.005	0.203	0.187	472.748	0.153	0.004
Other Construction Equipment	175	0.235	3.136	2.167	0.005	0.112	0.103	469.843	0.152	0.004
Other Construction Equipment	500	0.168	1.358	1.552	0.005	0.059	0.055	476.296	0.154	0.004
Other General Industrial Equipment	15	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	25	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	50	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	120	0.258	3.612	2.439	0.005	0.118	0.109	470.000	0.152	0.004
Other General Industrial Equipment	175	0.189	3.204	1.364	0.005	0.070	0.065	471.850	0.153	0.004
Other General Industrial Equipment	250	0.155	1.132	1.028	0.005	0.036	0.033	473.223	0.153	0.004
Other General Industrial Equipment	500	0.152	1.109	1.053	0.005	0.035	0.033	472.929	0.153	0.004
Other General Industrial Equipment	750	0.117	1.115	0.629	0.005	0.023	0.021	473.464	0.153	0.004
Other General Industrial Equipment	1000	0.203	1.067	3.985	0.005	0.081	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.744	5.248	4.233	0.005	0.239	0.219	523.709	0.169	0.005
Other Material Handling Equipment	120	0.203	3.497	2.055	0.005	0.081	0.074	473.588	0.153	0.004
Other Material Handling Equipment	175	0.189	3.168	1.396	0.005	0.072	0.067	472.219	0.153	0.004
Other Material Handling Equipment	250	0.200	1.197	1.774	0.005	0.060	0.055	471.482	0.153	0.004
Other Material Handling Equipment	500	0.204	1.260	1.601	0.005	0.067	0.061	470.297	0.152	0.004

2028

2028		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.065	0.959	2.298	0.005	0.019	0.017	472.055	0.153	0.004
Pavers	25	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	50	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	120	0.314	3.493	3.068	0.005	0.191	0.175	469.899	0.152	0.004
Pavers	175	0.181	3.007	1.644	0.005	0.077	0.071	472.485	0.153	0.004
Pavers	250	0.107	1.004	1.035	0.005	0.034	0.031	473.483	0.153	0.004
Pavers	500	0.115	0.969	1.134	0.005	0.039	0.036	465.882	0.151	0.004
Paving Equipment	25	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	50	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	120	0.242	3.483	2.496	0.005	0.118	0.108	473.424	0.153	0.004
Paving Equipment	175	0.175	3.038	1.509	0.005	0.075	0.069	470.484	0.152	0.004
Paving Equipment	250	0.133	1.117	1.110	0.005	0.043	0.040	472.234	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Pressure Washers	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Pressure Washers	50	0.306	3.210	3.344	0.007	0.075	0.075	568.299	0.027	0.005
Pressure Washers	120	0.189	3.186	2.100	0.006	0.072	0.072	568.299	0.017	0.004
Pressure Washers	175	0.178	2.907	1.310	0.006	0.053	0.053	568.299	0.016	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.683	3.491	4.278	0.008	0.183	0.183	568.299	0.061	0.005
Pumps	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Pumps	50	0.485	3.943	3.528	0.007	0.099	0.099	568.299	0.043	0.005
Pumps	120	0.261	3.389	2.213	0.006	0.092	0.092	568.299	0.023	0.004
Pumps	175	0.199	2.974	1.318	0.006	0.056	0.056	568.300	0.018	0.004
Pumps	250	0.159	1.016	1.038	0.006	0.029	0.029	568.299	0.014	0.004
Pumps	500	0.156	0.992	0.958	0.005	0.028	0.028	568.300	0.014	0.004
Pumps	750	0.157	0.992	0.977	0.005	0.029	0.029	568.300	0.014	0.004
Pumps	9999	0.186	1.020	2.840	0.005	0.049	0.049	568.299	0.016	0.004
Rollers	15	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	25	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	50	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	120	0.255	3.444	2.691	0.005	0.135	0.125	473.851	0.153	0.004
Rollers	175	0.127	2.909	1.101	0.005	0.049	0.046	471.970	0.153	0.004
Rollers	250	0.173	1.215	1.783	0.005	0.066	0.060	473.681	0.153	0.004
Rollers	500	0.212	1.968	2.200	0.005	0.091	0.083	477.573	0.155	0.004
Rough Terrain Forklifts	50	0.456	3.740	3.477	0.005	0.128	0.118	525.027	0.170	0.005
Rough Terrain Forklifts	120	0.137	3.240	1.821	0.005	0.051	0.047	473.037	0.153	0.004
Rough Terrain Forklifts	175	0.087	2.821	0.786	0.005	0.030	0.028	471.475	0.153	0.004
Rough Terrain Forklifts	250	0.123	1.001	1.489	0.005	0.035	0.033	472.927	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.942	0.477	0.005	0.009	0.008	466.541	0.151	0.004
Rubber Tired Dozers	175	0.461	3.612	4.229	0.005	0.231	0.212	474.103	0.153	0.004
Rubber Tired Dozers	250	0.372	1.720	3.805	0.005	0.167	0.153	474.573	0.154	0.004
Rubber Tired Dozers	500	0.367	2.959	3.370	0.005	0.151	0.139	479.092	0.155	0.004
Rubber Tired Dozers	750	0.428	2.601	5.333	0.005	0.196	0.181	472.998	0.153	0.004
Rubber Tired Dozers	1000	0.414	1.725	4.365	0.005	0.115	0.115	568.299	0.037	0.004
Rubber Tired Loaders	25	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005

2028

2028		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	120	0.352	3.791	2.970	0.005	0.179	0.165	466.898	0.151	0.004
Rubber Tired Loaders	175	0.224	3.281	1.590	0.005	0.084	0.077	470.459	0.152	0.004
Rubber Tired Loaders	250	0.177	1.142	1.442	0.005	0.048	0.045	469.871	0.152	0.004
Rubber Tired Loaders	500	0.193	1.276	1.433	0.005	0.053	0.048	469.143	0.152	0.004
Rubber Tired Loaders	750	0.212	1.333	1.654	0.005	0.064	0.059	465.052	0.150	0.004
Rubber Tired Loaders	1000	0.166	1.122	3.089	0.005	0.052	0.048	472.456	0.153	0.004
Scrapers	120	0.566	4.094	5.503	0.005	0.405	0.372	482.363	0.156	0.004
Scrapers	175	0.290	3.321	2.631	0.005	0.137	0.126	478.948	0.155	0.004
Scrapers	250	0.291	1.602	2.803	0.005	0.125	0.115	469.446	0.152	0.004
Scrapers	500	0.216	1.732	2.051	0.005	0.081	0.074	472.539	0.153	0.004
Scrapers	750	0.184	1.338	1.713	0.005	0.064	0.059	472.115	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.522	4.217	3.561	0.007	0.098	0.098	568.299	0.047	0.005
Signal Boards	120	0.278	3.470	2.179	0.006	0.089	0.089	568.299	0.025	0.004
Signal Boards	175	0.215	3.049	1.262	0.006	0.055	0.055	568.299	0.019	0.004
Signal Boards	250	0.213	1.257	1.192	0.007	0.035	0.035	686.695	0.019	0.004
Skid Steer Loaders	25	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	50	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	120	0.140	3.252	1.867	0.005	0.057	0.052	472.630	0.153	0.004
Surfacing Equipment	50	0.235	3.537	3.576	0.006	0.082	0.075	536.140	0.173	0.005
Surfacing Equipment	120	0.232	3.385	2.659	0.005	0.124	0.114	476.766	0.154	0.004
Surfacing Equipment	175	0.187	2.926	1.999	0.005	0.094	0.087	471.040	0.152	0.004
Surfacing Equipment	250	0.148	1.143	1.747	0.005	0.055	0.051	477.110	0.154	0.004
Surfacing Equipment	500	0.128	1.169	1.327	0.005	0.051	0.047	470.283	0.152	0.004
Surfacing Equipment	750	0.085	0.978	0.768	0.005	0.027	0.025	470.551	0.152	0.004
Sweepers/Scrubbers	15	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.303	3.664	2.817	0.005	0.160	0.147	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.213	3.201	1.638	0.005	0.072	0.066	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.170	1.140	1.616	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	50	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	120	0.209	3.522	2.109	0.005	0.086	0.079	477.188	0.154	0.004
Tractors/Loaders/Backhoes	175	0.162	3.083	1.180	0.005	0.059	0.054	469.329	0.152	0.004
Tractors/Loaders/Backhoes	250	0.154	1.146	1.235	0.005	0.047	0.044	470.598	0.152	0.004
Tractors/Loaders/Backhoes	500	0.144	1.234	1.046	0.005	0.039	0.036	470.910	0.152	0.004
Tractors/Loaders/Backhoes	750	0.187	1.261	1.649	0.005	0.067	0.062	466.452	0.151	0.004
Trenchers	15	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005

2028

2028		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	50	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	120	0.457	3.734	4.279	0.005	0.285	0.262	475.901	0.154	0.004
Trenchers	175	0.358	3.309	3.549	0.005	0.179	0.165	467.732	0.151	0.004
Trenchers	250	0.307	1.601	3.315	0.005	0.144	0.133	473.917	0.153	0.004
Trenchers	500	0.191	1.676	1.826	0.005	0.079	0.072	470.439	0.152	0.004
Trenchers	750	0.067	0.962	0.305	0.005	0.009	0.009	474.486	0.154	0.004
Welders	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Welders	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Welders	50	0.602	4.524	3.676	0.007	0.112	0.112	568.299	0.054	0.005
Welders	120	0.316	3.557	2.283	0.006	0.102	0.102	568.299	0.028	0.004
Welders	175	0.245	3.121	1.365	0.006	0.063	0.063	568.299	0.022	0.004
Welders	250	0.199	1.065	1.075	0.006	0.032	0.032	568.299	0.018	0.004
Welders	500	0.196	1.029	0.990	0.005	0.031	0.031	568.299	0.017	0.004
Water Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Water Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Water Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Water Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Water Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004

2029

2029		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	25	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	50	0.154	3.088	2.879	0.005	0.021	0.019	525.074	0.170	0.005
Aerial Lifts	120	0.099	3.167	1.511	0.005	0.026	0.024	472.114	0.153	0.004
Aerial Lifts	500	0.085	0.970	0.649	0.005	0.009	0.009	472.055	0.153	0.004
Aerial Lifts	750	0.153	0.989	0.974	0.005	0.028	0.028	568.299	0.013	0.004
Air Compressors	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Air Compressors	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Air Compressors	50	0.659	4.851	3.755	0.007	0.116	0.116	568.299	0.059	0.005
Air Compressors	120	0.345	3.653	2.313	0.006	0.104	0.104	568.299	0.031	0.004
Air Compressors	175	0.269	3.205	1.383	0.006	0.065	0.065	568.299	0.024	0.004
Air Compressors	250	0.220	1.094	1.086	0.006	0.033	0.033	568.299	0.019	0.004
Air Compressors	500	0.217	1.051	1.001	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	750	0.217	1.051	1.021	0.005	0.032	0.032	568.299	0.019	0.004
Air Compressors	1000	0.231	1.079	2.954	0.005	0.055	0.055	568.299	0.020	0.004
Bore/Drill Rigs	15	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	25	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	50	0.591	4.273	3.978	0.006	0.193	0.178	532.821	0.172	0.005
Bore/Drill Rigs	120	0.155	3.218	1.964	0.005	0.067	0.062	459.829	0.149	0.004
Bore/Drill Rigs	175	0.114	2.974	0.888	0.005	0.039	0.036	478.266	0.155	0.004
Bore/Drill Rigs	250	0.107	1.045	0.957	0.005	0.031	0.029	470.654	0.152	0.004
Bore/Drill Rigs	500	0.102	0.997	0.823	0.005	0.028	0.026	467.289	0.151	0.004
Bore/Drill Rigs	750	0.085	0.983	0.596	0.005	0.023	0.021	481.250	0.156	0.004
Bore/Drill Rigs	1000	0.062	0.953	2.289	0.005	0.019	0.017	471.917	0.153	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.689	2.344	4.357	0.007	0.168	0.168	568.299	0.062	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.525	4.297	3.592	0.007	0.099	0.099	568.299	0.047	0.005
Concrete/Industrial Saws	120	0.283	3.495	2.176	0.006	0.089	0.089	568.300	0.025	0.004
Concrete/Industrial Saws	175	0.220	3.073	1.249	0.006	0.056	0.056	568.300	0.019	0.004
Cranes	50	1.811	7.072	5.636	0.005	0.543	0.499	517.872	0.168	0.005
Cranes	120	0.463	3.831	4.135	0.005	0.260	0.240	469.533	0.152	0.004
Cranes	175	0.334	3.335	3.160	0.005	0.166	0.153	474.748	0.154	0.004
Cranes	250	0.265	1.470	2.681	0.005	0.114	0.105	472.980	0.153	0.004
Cranes	500	0.218	1.834	2.154	0.005	0.088	0.081	471.967	0.153	0.004
Cranes	750	0.172	1.274	1.638	0.005	0.068	0.062	470.276	0.152	0.004
Cranes	9999	0.229	1.038	2.422	0.005	0.065	0.060	472.055	0.153	0.004
Crawler Tractors	50	1.744	6.686	4.936	0.005	0.456	0.420	516.128	0.167	0.005
Crawler Tractors	120	0.454	3.788	3.961	0.005	0.285	0.262	476.134	0.154	0.004
Crawler Tractors	175	0.298	3.209	2.688	0.005	0.150	0.138	471.592	0.153	0.004
Crawler Tractors	250	0.232	1.308	2.462	0.005	0.096	0.088	471.622	0.153	0.004

2029

2029		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.208	1.717	1.920	0.005	0.081	0.074	474.007	0.153	0.004
Crawler Tractors	750	0.167	1.122	1.545	0.005	0.057	0.052	472.408	0.153	0.004
Crawler Tractors	1000	0.260	1.593	4.598	0.005	0.112	0.103	475.490	0.154	0.004
Crushing/Proc. Equipment	50	0.656	4.982	3.742	0.007	0.107	0.107	568.299	0.059	0.005
Crushing/Proc. Equipment	120	0.345	3.694	2.248	0.006	0.095	0.095	568.299	0.031	0.004
Crushing/Proc. Equipment	175	0.270	3.246	1.301	0.006	0.060	0.060	568.299	0.024	0.004
Crushing/Proc. Equipment	250	0.224	1.108	1.012	0.006	0.031	0.031	568.299	0.020	0.004
Crushing/Proc. Equipment	500	0.221	1.061	0.937	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	750	0.222	1.061	0.955	0.005	0.030	0.030	568.299	0.020	0.004
Crushing/Proc. Equipment	9999	0.261	1.087	2.910	0.005	0.053	0.053	568.299	0.023	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	50	0.403	4.219	3.453	0.005	0.107	0.099	525.777	0.170	0.005
Excavators	120	0.201	3.439	2.082	0.005	0.085	0.078	466.738	0.151	0.004
Excavators	175	0.158	3.078	1.154	0.005	0.057	0.052	472.496	0.153	0.004
Excavators	250	0.131	1.081	0.962	0.005	0.032	0.029	472.560	0.153	0.004
Excavators	500	0.115	1.051	0.726	0.005	0.026	0.024	470.292	0.152	0.004
Excavators	750	0.139	1.135	1.026	0.005	0.038	0.035	468.558	0.152	0.004
Forklifts	50	0.636	5.029	3.932	0.005	0.178	0.164	525.483	0.170	0.005
Forklifts	120	0.277	3.611	2.607	0.005	0.140	0.128	471.529	0.153	0.004
Forklifts	175	0.209	3.170	1.653	0.005	0.084	0.078	472.106	0.153	0.004
Forklifts	250	0.191	1.214	1.466	0.005	0.056	0.052	473.326	0.153	0.004
Forklifts	500	0.215	1.222	1.658	0.005	0.062	0.057	473.615	0.153	0.004
Generator Sets	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Generator Sets	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Generator Sets	50	0.440	3.758	3.481	0.007	0.093	0.093	568.300	0.039	0.005
Generator Sets	120	0.243	3.338	2.185	0.006	0.087	0.087	568.299	0.021	0.004
Generator Sets	175	0.184	2.930	1.297	0.006	0.053	0.053	568.299	0.016	0.004
Generator Sets	250	0.147	1.000	1.020	0.006	0.028	0.028	568.299	0.013	0.004
Generator Sets	500	0.144	0.981	0.945	0.005	0.027	0.027	568.300	0.013	0.004
Generator Sets	750	0.145	0.981	0.964	0.005	0.027	0.027	568.299	0.013	0.004
Generator Sets	9999	0.173	1.008	2.812	0.005	0.047	0.047	568.299	0.015	0.004
Graders	50	1.864	7.125	5.043	0.005	0.522	0.480	493.532	0.160	0.005
Graders	120	0.638	4.149	5.074	0.005	0.371	0.342	468.316	0.152	0.004
Graders	175	0.329	3.418	2.774	0.005	0.152	0.140	478.508	0.155	0.004
Graders	250	0.230	1.179	2.556	0.005	0.082	0.076	473.470	0.153	0.004
Graders	500	0.280	1.315	2.265	0.005	0.088	0.081	470.753	0.152	0.004
Graders	750	0.253	1.141	1.125	0.005	0.041	0.041	568.300	0.022	0.004
Off-Highway Tractors	120	0.276	3.669	2.707	0.005	0.144	0.132	476.921	0.154	0.004
Off-Highway Tractors	175	0.175	3.142	1.349	0.005	0.065	0.060	473.302	0.153	0.004
Off-Highway Tractors	250	0.155	1.130	1.116	0.005	0.040	0.037	470.861	0.152	0.004
Off-Highway Tractors	750	0.167	1.135	1.118	0.005	0.045	0.041	471.917	0.153	0.004
Off-Highway Tractors	1000	0.198	1.077	2.482	0.005	0.070	0.064	472.055	0.153	0.004
Off-Highway Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Off-Highway Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004

2029

2029		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Off-Highway Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Off-Highway Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004
Other Construction Equipment	15	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	25	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	50	0.757	4.874	4.306	0.006	0.268	0.246	528.954	0.171	0.005
Other Construction Equipment	120	0.341	3.584	3.252	0.005	0.203	0.187	472.748	0.153	0.004
Other Construction Equipment	175	0.235	3.136	2.167	0.005	0.112	0.103	469.843	0.152	0.004
Other Construction Equipment	500	0.168	1.358	1.552	0.005	0.059	0.055	476.296	0.154	0.004
Other General Industrial Equipment	15	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	25	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	50	0.492	4.680	3.717	0.005	0.136	0.125	526.176	0.170	0.005
Other General Industrial Equipment	120	0.258	3.612	2.439	0.005	0.118	0.109	470.000	0.152	0.004
Other General Industrial Equipment	175	0.189	3.204	1.364	0.005	0.070	0.065	471.850	0.153	0.004
Other General Industrial Equipment	250	0.155	1.132	1.028	0.005	0.036	0.033	473.223	0.153	0.004
Other General Industrial Equipment	500	0.152	1.109	1.053	0.005	0.035	0.033	472.929	0.153	0.004
Other General Industrial Equipment	750	0.117	1.115	0.629	0.005	0.023	0.021	473.464	0.153	0.004
Other General Industrial Equipment	1000	0.203	1.067	3.985	0.005	0.081	0.074	472.055	0.153	0.004
Other Material Handling Equipment	50	0.744	5.248	4.233	0.005	0.239	0.219	523.709	0.169	0.005
Other Material Handling Equipment	120	0.203	3.497	2.055	0.005	0.081	0.074	473.588	0.153	0.004
Other Material Handling Equipment	175	0.189	3.168	1.396	0.005	0.072	0.067	472.219	0.153	0.004
Other Material Handling Equipment	250	0.200	1.197	1.774	0.005	0.060	0.055	471.482	0.153	0.004
Other Material Handling Equipment	500	0.204	1.260	1.601	0.005	0.067	0.061	470.297	0.152	0.004

2029

2029		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.065	0.959	2.298	0.005	0.019	0.017	472.055	0.153	0.004
Pavers	25	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	50	0.918	4.945	4.131	0.005	0.265	0.243	526.853	0.170	0.005
Pavers	120	0.314	3.493	3.068	0.005	0.191	0.175	469.899	0.152	0.004
Pavers	175	0.181	3.007	1.644	0.005	0.077	0.071	472.485	0.153	0.004
Pavers	250	0.107	1.004	1.035	0.005	0.034	0.031	473.483	0.153	0.004
Pavers	500	0.115	0.969	1.134	0.005	0.039	0.036	465.882	0.151	0.004
Paving Equipment	25	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	50	0.476	4.203	3.627	0.005	0.142	0.130	520.998	0.169	0.005
Paving Equipment	120	0.242	3.483	2.496	0.005	0.118	0.108	473.424	0.153	0.004
Paving Equipment	175	0.175	3.038	1.509	0.005	0.075	0.069	470.484	0.152	0.004
Paving Equipment	250	0.133	1.117	1.110	0.005	0.043	0.040	472.234	0.153	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.607	3.491	4.269	0.008	0.178	0.178	568.299	0.054	0.005
Pressure Washers	25	0.694	2.376	4.407	0.007	0.175	0.175	568.299	0.062	0.005
Pressure Washers	50	0.306	3.210	3.344	0.007	0.075	0.075	568.299	0.027	0.005
Pressure Washers	120	0.189	3.186	2.100	0.006	0.072	0.072	568.299	0.017	0.004
Pressure Washers	175	0.178	2.907	1.310	0.006	0.053	0.053	568.299	0.016	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.683	3.491	4.278	0.008	0.183	0.183	568.299	0.061	0.005
Pumps	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Pumps	50	0.485	3.943	3.528	0.007	0.099	0.099	568.299	0.043	0.005
Pumps	120	0.261	3.389	2.213	0.006	0.092	0.092	568.299	0.023	0.004
Pumps	175	0.199	2.974	1.318	0.006	0.056	0.056	568.300	0.018	0.004
Pumps	250	0.159	1.016	1.038	0.006	0.029	0.029	568.299	0.014	0.004
Pumps	500	0.156	0.992	0.958	0.005	0.028	0.028	568.300	0.014	0.004
Pumps	750	0.157	0.992	0.977	0.005	0.029	0.029	568.300	0.014	0.004
Pumps	9999	0.186	1.020	2.840	0.005	0.049	0.049	568.299	0.016	0.004
Rollers	15	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	25	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	50	0.569	4.125	3.689	0.005	0.167	0.154	526.141	0.170	0.005
Rollers	120	0.255	3.444	2.691	0.005	0.135	0.125	473.851	0.153	0.004
Rollers	175	0.127	2.909	1.101	0.005	0.049	0.046	471.970	0.153	0.004
Rollers	250	0.173	1.215	1.783	0.005	0.066	0.060	473.681	0.153	0.004
Rollers	500	0.212	1.968	2.200	0.005	0.091	0.083	477.573	0.155	0.004
Rough Terrain Forklifts	50	0.456	3.740	3.477	0.005	0.128	0.118	525.027	0.170	0.005
Rough Terrain Forklifts	120	0.137	3.240	1.821	0.005	0.051	0.047	473.037	0.153	0.004
Rough Terrain Forklifts	175	0.087	2.821	0.786	0.005	0.030	0.028	471.475	0.153	0.004
Rough Terrain Forklifts	250	0.123	1.001	1.489	0.005	0.035	0.033	472.927	0.153	0.004
Rough Terrain Forklifts	500	0.069	0.942	0.477	0.005	0.009	0.008	466.541	0.151	0.004
Rubber Tired Dozers	175	0.461	3.612	4.229	0.005	0.231	0.212	474.103	0.153	0.004
Rubber Tired Dozers	250	0.372	1.720	3.805	0.005	0.167	0.153	474.573	0.154	0.004
Rubber Tired Dozers	500	0.367	2.959	3.370	0.005	0.151	0.139	479.092	0.155	0.004
Rubber Tired Dozers	750	0.428	2.601	5.333	0.005	0.196	0.181	472.998	0.153	0.004
Rubber Tired Dozers	1000	0.414	1.725	4.365	0.005	0.115	0.115	568.299	0.037	0.004
Rubber Tired Loaders	25	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005

2029

2029		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.960	5.941	4.348	0.005	0.259	0.238	523.908	0.169	0.005
Rubber Tired Loaders	120	0.352	3.791	2.970	0.005	0.179	0.165	466.898	0.151	0.004
Rubber Tired Loaders	175	0.224	3.281	1.590	0.005	0.084	0.077	470.459	0.152	0.004
Rubber Tired Loaders	250	0.177	1.142	1.442	0.005	0.048	0.045	469.871	0.152	0.004
Rubber Tired Loaders	500	0.193	1.276	1.433	0.005	0.053	0.048	469.143	0.152	0.004
Rubber Tired Loaders	750	0.212	1.333	1.654	0.005	0.064	0.059	465.052	0.150	0.004
Rubber Tired Loaders	1000	0.166	1.122	3.089	0.005	0.052	0.048	472.456	0.153	0.004
Scrapers	120	0.566	4.094	5.503	0.005	0.405	0.372	482.363	0.156	0.004
Scrapers	175	0.290	3.321	2.631	0.005	0.137	0.126	478.948	0.155	0.004
Scrapers	250	0.291	1.602	2.803	0.005	0.125	0.115	469.446	0.152	0.004
Scrapers	500	0.216	1.732	2.051	0.005	0.081	0.074	472.539	0.153	0.004
Scrapers	750	0.184	1.338	1.713	0.005	0.064	0.059	472.115	0.153	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.522	4.217	3.561	0.007	0.098	0.098	568.299	0.047	0.005
Signal Boards	120	0.278	3.470	2.179	0.006	0.089	0.089	568.299	0.025	0.004
Signal Boards	175	0.215	3.049	1.262	0.006	0.055	0.055	568.299	0.019	0.004
Signal Boards	250	0.213	1.257	1.192	0.007	0.035	0.035	686.695	0.019	0.004
Skid Steer Loaders	25	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	50	0.341	3.660	3.309	0.006	0.084	0.077	527.861	0.171	0.005
Skid Steer Loaders	120	0.140	3.252	1.867	0.005	0.057	0.052	472.630	0.153	0.004
Surfacing Equipment	50	0.235	3.537	3.576	0.006	0.082	0.075	536.140	0.173	0.005
Surfacing Equipment	120	0.232	3.385	2.659	0.005	0.124	0.114	476.766	0.154	0.004
Surfacing Equipment	175	0.187	2.926	1.999	0.005	0.094	0.087	471.040	0.152	0.004
Surfacing Equipment	250	0.148	1.143	1.747	0.005	0.055	0.051	477.110	0.154	0.004
Surfacing Equipment	500	0.128	1.169	1.327	0.005	0.051	0.047	470.283	0.152	0.004
Surfacing Equipment	750	0.085	0.978	0.768	0.005	0.027	0.025	470.551	0.152	0.004
Sweepers/Scrubbers	15	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	25	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	50	0.622	4.768	3.856	0.005	0.191	0.176	525.328	0.170	0.005
Sweepers/Scrubbers	120	0.303	3.664	2.817	0.005	0.160	0.147	474.116	0.153	0.004
Sweepers/Scrubbers	175	0.213	3.201	1.638	0.005	0.072	0.066	473.122	0.153	0.004
Sweepers/Scrubbers	250	0.170	1.140	1.616	0.005	0.051	0.047	470.126	0.152	0.004
Tractors/Loaders/Backhoes	25	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	50	0.550	4.560	3.662	0.005	0.145	0.133	513.803	0.166	0.005
Tractors/Loaders/Backhoes	120	0.209	3.522	2.109	0.005	0.086	0.079	477.188	0.154	0.004
Tractors/Loaders/Backhoes	175	0.162	3.083	1.180	0.005	0.059	0.054	469.329	0.152	0.004
Tractors/Loaders/Backhoes	250	0.154	1.146	1.235	0.005	0.047	0.044	470.598	0.152	0.004
Tractors/Loaders/Backhoes	500	0.144	1.234	1.046	0.005	0.039	0.036	470.910	0.152	0.004
Tractors/Loaders/Backhoes	750	0.187	1.261	1.649	0.005	0.067	0.062	466.452	0.151	0.004
Trenchers	15	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005

2029

2029		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	50	0.542	4.120	3.657	0.005	0.163	0.150	527.160	0.171	0.005
Trenchers	120	0.457	3.734	4.279	0.005	0.285	0.262	475.901	0.154	0.004
Trenchers	175	0.358	3.309	3.549	0.005	0.179	0.165	467.732	0.151	0.004
Trenchers	250	0.307	1.601	3.315	0.005	0.144	0.133	473.917	0.153	0.004
Trenchers	500	0.191	1.676	1.826	0.005	0.079	0.072	470.439	0.152	0.004
Trenchers	750	0.067	0.962	0.305	0.005	0.009	0.009	474.486	0.154	0.004
Welders	15	0.683	3.491	4.278	0.008	0.183	0.183	568.300	0.061	0.005
Welders	25	0.709	2.376	4.407	0.007	0.177	0.177	568.299	0.064	0.005
Welders	50	0.602	4.524	3.676	0.007	0.112	0.112	568.299	0.054	0.005
Welders	120	0.316	3.557	2.283	0.006	0.102	0.102	568.299	0.028	0.004
Welders	175	0.245	3.121	1.365	0.006	0.063	0.063	568.299	0.022	0.004
Welders	250	0.199	1.065	1.075	0.006	0.032	0.032	568.299	0.018	0.004
Welders	500	0.196	1.029	0.990	0.005	0.031	0.031	568.299	0.017	0.004
Water Trucks	175	0.214	3.328	1.335	0.005	0.065	0.060	470.004	0.152	0.004
Water Trucks	250	0.185	1.213	1.129	0.005	0.043	0.040	469.126	0.152	0.004
Water Trucks	500	0.177	1.182	1.064	0.005	0.038	0.035	474.970	0.154	0.004
Water Trucks	750	0.235	1.578	1.751	0.005	0.066	0.061	476.314	0.154	0.004
Water Trucks	1000	0.187	1.146	3.135	0.005	0.057	0.052	473.369	0.153	0.004

2030

2030		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Aerial Lifts	50	0.339	3.764	3.135	0.007	0.040	0.040	568.300	0.030	0.005
Aerial Lifts	120	0.188	3.352	1.657	0.006	0.036	0.036	568.299	0.017	0.004
Aerial Lifts	500	0.126	0.986	0.479	0.005	0.016	0.016	568.299	0.011	0.004
Aerial Lifts	750	0.126	0.986	0.485	0.005	0.016	0.016	568.299	0.011	0.004
Air Compressors	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressors	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressors	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressors	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressors	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressors	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressors	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressors	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressors	1000	0.182	1.049	2.600	0.005	0.033	0.033	568.299	0.016	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.029	3.020	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.415	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.038	0.279	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.274	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.333	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Industrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Industrial Saws	175	0.163	3.074	0.590	0.006	0.025	0.025	568.299	0.014	0.004
Cranes	50	0.684	5.366	3.598	0.007	0.075	0.075	568.299	0.061	0.005
Cranes	120	0.343	3.812	1.987	0.006	0.067	0.067	568.299	0.030	0.004
Cranes	175	0.253	3.356	0.916	0.006	0.042	0.042	568.299	0.022	0.004
Cranes	250	0.224	1.147	0.748	0.006	0.024	0.024	568.299	0.020	0.004
Cranes	500	0.222	1.090	0.697	0.005	0.023	0.023	568.299	0.020	0.004
Cranes	750	0.222	1.090	0.709	0.005	0.024	0.024	568.300	0.020	0.004
Cranes	9999	0.245	1.108	2.800	0.005	0.043	0.043	568.299	0.022	0.004
Crawler Tractors	50	0.833	5.605	3.808	0.007	0.116	0.116	568.299	0.075	0.005
Crawler Tractors	120	0.405	3.871	2.341	0.006	0.105	0.105	568.299	0.036	0.004
Crawler Tractors	175	0.296	3.397	1.266	0.006	0.065	0.065	568.299	0.026	0.004
Crawler Tractors	250	0.262	1.207	1.104	0.006	0.040	0.040	568.299	0.023	0.004

2030

2030		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.257	1.200	1.016	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	750	0.257	1.200	1.033	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	1000	0.265	1.225	3.094	0.005	0.056	0.056	568.300	0.023	0.004
Crushing/Proc. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Proc. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Proc. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Proc. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Tenders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.602	5.309	3.393	0.007	0.038	0.038	568.299	0.054	0.005
Excavators	120	0.301	3.806	1.676	0.006	0.034	0.034	568.299	0.027	0.004
Excavators	175	0.213	3.362	0.525	0.006	0.023	0.023	568.299	0.019	0.004
Excavators	250	0.203	1.145	0.452	0.006	0.016	0.016	568.299	0.018	0.004
Excavators	500	0.202	1.088	0.433	0.005	0.016	0.016	568.299	0.018	0.004
Excavators	750	0.202	1.088	0.437	0.005	0.016	0.016	568.299	0.018	0.004
Forklifts	50	0.565	5.272	3.330	0.007	0.023	0.023	568.299	0.051	0.005
Forklifts	120	0.283	3.799	1.555	0.006	0.021	0.021	568.299	0.025	0.004
Forklifts	175	0.199	3.360	0.391	0.006	0.015	0.015	568.299	0.018	0.004
Forklifts	250	0.195	1.144	0.341	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	500	0.195	1.088	0.341	0.005	0.012	0.012	568.299	0.017	0.004
Generator Sets	15	0.592	3.470	4.164	0.008	0.166	0.166	568.299	0.053	0.005
Generator Sets	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Generator Sets	50	0.315	3.640	3.107	0.007	0.038	0.038	568.299	0.028	0.005
Generator Sets	120	0.178	3.316	1.645	0.006	0.034	0.034	568.299	0.016	0.004
Generator Sets	175	0.130	2.929	0.601	0.006	0.023	0.023	568.299	0.011	0.004
Generator Sets	250	0.120	0.998	0.504	0.006	0.016	0.016	568.299	0.010	0.004
Generator Sets	500	0.119	0.978	0.476	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	750	0.119	0.978	0.482	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	9999	0.128	0.979	2.483	0.005	0.029	0.029	568.299	0.011	0.004
Graders	50	0.648	5.239	3.530	0.007	0.065	0.065	568.299	0.058	0.005
Graders	120	0.323	3.775	1.903	0.006	0.058	0.058	568.299	0.029	0.004
Graders	175	0.237	3.326	0.815	0.006	0.038	0.038	568.300	0.021	0.004
Graders	250	0.216	1.148	0.684	0.006	0.024	0.024	568.299	0.019	0.004
Graders	500	0.214	1.097	0.647	0.005	0.023	0.023	568.299	0.019	0.004
Graders	750	0.214	1.097	0.654	0.005	0.023	0.023	568.299	0.019	0.004
Off-Highway Tractors	120	0.518	3.944	2.959	0.006	0.175	0.175	568.299	0.046	0.004
Off-Highway Tractors	175	0.373	3.435	1.916	0.006	0.104	0.104	568.299	0.033	0.004
Off-Highway Tractors	250	0.315	1.286	1.715	0.006	0.064	0.064	568.299	0.028	0.004
Off-Highway Tractors	750	0.304	1.351	1.590	0.005	0.060	0.060	568.299	0.027	0.004
Off-Highway Tractors	1000	0.318	1.409	3.569	0.005	0.078	0.078	568.300	0.028	0.004
Off-Highway Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Off-Highway Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004

2030

2030		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.429	4.390	3.190	0.007	0.030	0.030	568.299	0.038	0.005
Other Construction Equipment	120	0.225	3.538	1.576	0.006	0.027	0.027	568.300	0.020	0.004
Other Construction Equipment	175	0.161	3.127	0.459	0.006	0.019	0.019	568.299	0.014	0.004
Other Construction Equipment	500	0.154	1.028	0.391	0.005	0.014	0.014	568.300	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.609	5.299	3.460	0.007	0.048	0.048	568.299	0.054	0.005
Other General Industrial Equipment	120	0.309	3.802	1.766	0.006	0.043	0.043	568.299	0.027	0.004
Other General Industrial Equipment	175	0.223	3.357	0.641	0.006	0.028	0.028	568.299	0.020	0.004
Other General Industrial Equipment	250	0.209	1.143	0.536	0.006	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	500	0.208	1.087	0.506	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	750	0.208	1.087	0.512	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	1000	0.212	1.088	2.660	0.005	0.035	0.035	568.299	0.019	0.004
Other Material Handling Equipment	50	0.598	5.237	3.447	0.007	0.048	0.048	568.299	0.053	0.005
Other Material Handling Equipment	120	0.304	3.784	1.762	0.006	0.043	0.043	568.299	0.027	0.004
Other Material Handling Equipment	175	0.220	3.341	0.640	0.006	0.028	0.028	568.299	0.019	0.004
Other Material Handling Equipment	250	0.206	1.138	0.535	0.006	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	500	0.205	1.083	0.505	0.005	0.018	0.018	568.299	0.018	0.004

2030

2030		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.218	1.084	2.653	0.005	0.035	0.035	568.299	0.019	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.845	5.396	3.841	0.007	0.134	0.134	568.299	0.076	0.005
Pavers	120	0.408	3.800	2.468	0.006	0.121	0.121	568.300	0.036	0.004
Pavers	175	0.300	3.326	1.425	0.006	0.074	0.074	568.299	0.027	0.004
Pavers	250	0.259	1.192	1.246	0.006	0.045	0.045	568.299	0.023	0.004
Pavers	500	0.253	1.181	1.141	0.005	0.043	0.043	568.299	0.022	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.802	5.309	3.809	0.007	0.126	0.126	568.299	0.072	0.005
Paving Equipment	120	0.390	3.774	2.393	0.006	0.114	0.114	568.300	0.035	0.004
Paving Equipment	175	0.290	3.306	1.363	0.006	0.070	0.070	568.299	0.026	0.004
Paving Equipment	250	0.250	1.171	1.176	0.006	0.042	0.042	568.299	0.022	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.592	3.470	4.164	0.008	0.166	0.166	568.300	0.053	0.005
Pressure Washers	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Pressure Washers	50	0.215	3.124	2.989	0.007	0.030	0.030	568.299	0.019	0.005
Pressure Washers	120	0.134	3.167	1.594	0.006	0.028	0.028	568.300	0.012	0.004
Pressure Washers	175	0.126	2.907	0.619	0.006	0.024	0.024	568.299	0.011	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Pumps	25	0.687	2.340	4.347	0.007	0.165	0.165	568.300	0.061	0.005
Pumps	50	0.348	3.814	3.146	0.007	0.040	0.040	568.299	0.031	0.005
Pumps	120	0.193	3.367	1.662	0.006	0.036	0.036	568.299	0.017	0.004
Pumps	175	0.142	2.973	0.610	0.006	0.024	0.024	568.299	0.012	0.004
Pumps	250	0.130	1.013	0.511	0.006	0.016	0.016	568.299	0.011	0.004
Pumps	500	0.129	0.989	0.482	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	750	0.129	0.989	0.488	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	9999	0.139	0.990	2.504	0.005	0.030	0.030	568.299	0.012	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.587	4.784	3.480	0.007	0.073	0.073	568.299	0.053	0.005
Rollers	120	0.299	3.639	1.950	0.006	0.066	0.066	568.299	0.027	0.004
Rollers	175	0.223	3.203	0.907	0.006	0.042	0.042	568.299	0.020	0.004
Rollers	250	0.195	1.099	0.745	0.006	0.024	0.024	568.299	0.017	0.004
Rollers	500	0.193	1.056	0.697	0.005	0.023	0.023	568.299	0.017	0.004
Rough Terrain Forklifts	50	0.548	5.031	3.359	0.007	0.039	0.039	568.299	0.049	0.005
Rough Terrain Forklifts	120	0.279	3.725	1.671	0.006	0.034	0.034	568.299	0.025	0.004
Rough Terrain Forklifts	175	0.200	3.291	0.537	0.006	0.023	0.023	568.299	0.018	0.004
Rough Terrain Forklifts	250	0.191	1.121	0.463	0.006	0.016	0.016	568.299	0.017	0.004
Rough Terrain Forklifts	500	0.190	1.070	0.443	0.005	0.016	0.016	568.300	0.017	0.004
Rubber Tired Dozers	175	0.398	3.496	2.034	0.006	0.111	0.111	568.299	0.035	0.004
Rubber Tired Dozers	250	0.335	1.322	1.828	0.006	0.069	0.069	568.299	0.030	0.004
Rubber Tired Dozers	500	0.322	1.401	1.658	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	750	0.323	1.401	1.694	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	1000	0.338	1.465	3.676	0.005	0.082	0.082	568.299	0.030	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005

2030

2030		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.634	5.181	3.500	0.007	0.062	0.062	568.300	0.057	0.005
Rubber Tired Loaders	120	0.317	3.759	1.875	0.006	0.056	0.056	568.299	0.028	0.004
Rubber Tired Loaders	175	0.232	3.312	0.787	0.006	0.036	0.036	568.299	0.020	0.004
Rubber Tired Loaders	250	0.210	1.138	0.655	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	500	0.208	1.085	0.619	0.005	0.021	0.021	568.299	0.018	0.004
Rubber Tired Loaders	750	0.208	1.085	0.627	0.005	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	1000	0.214	1.099	2.722	0.005	0.039	0.039	568.299	0.019	0.004
Scrapers	120	0.410	3.866	2.384	0.006	0.111	0.111	568.299	0.037	0.004
Scrapers	175	0.301	3.389	1.320	0.006	0.068	0.068	568.299	0.027	0.004
Scrapers	250	0.264	1.206	1.149	0.006	0.042	0.042	568.299	0.023	0.004
Scrapers	500	0.259	1.184	1.057	0.005	0.040	0.040	568.299	0.023	0.004
Scrapers	750	0.259	1.184	1.075	0.005	0.040	0.040	568.299	0.023	0.004
Signal Boards	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.393	4.099	3.193	0.007	0.040	0.040	568.299	0.035	0.005
Signal Boards	120	0.213	3.451	1.657	0.006	0.035	0.035	568.300	0.019	0.004
Signal Boards	175	0.157	3.048	0.586	0.006	0.024	0.024	568.299	0.014	0.004
Signal Boards	250	0.176	1.255	0.594	0.007	0.019	0.019	686.695	0.015	0.004
Skid Steer Loaders	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.386	3.128	0.007	0.018	0.018	568.299	0.037	0.005
Skid Steer Loaders	120	0.214	3.538	1.477	0.006	0.017	0.017	568.299	0.019	0.004
Surfacing Equipment	50	0.518	4.295	3.400	0.007	0.075	0.075	568.299	0.046	0.005
Surfacing Equipment	120	0.264	3.492	1.959	0.006	0.068	0.068	568.299	0.023	0.004
Surfacing Equipment	175	0.197	3.071	0.939	0.006	0.043	0.043	568.299	0.017	0.004
Surfacing Equipment	250	0.172	1.064	0.789	0.006	0.026	0.026	568.299	0.015	0.004
Surfacing Equipment	500	0.169	1.032	0.738	0.005	0.025	0.025	568.299	0.015	0.004
Surfacing Equipment	750	0.169	1.032	0.749	0.005	0.025	0.025	568.299	0.015	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.509	4.947	3.294	0.007	0.026	0.026	568.299	0.046	0.005
Sweepers/Scrubbers	120	0.261	3.703	1.569	0.006	0.023	0.023	568.299	0.023	0.004
Sweepers/Scrubbers	175	0.187	3.275	0.431	0.006	0.017	0.017	568.299	0.016	0.004
Sweepers/Scrubbers	250	0.182	1.116	0.370	0.006	0.013	0.013	568.299	0.016	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.539	4.966	3.299	0.007	0.033	0.033	568.299	0.048	0.005
Tractors/Loaders/Backhoes	120	0.272	3.705	1.624	0.006	0.030	0.030	568.299	0.024	0.004
Tractors/Loaders/Backhoes	175	0.193	3.273	0.485	0.006	0.020	0.020	568.299	0.017	0.004
Tractors/Loaders/Backhoes	250	0.183	1.115	0.418	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.182	1.066	0.403	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	750	0.182	1.066	0.407	0.006	0.014	0.014	568.299	0.016	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005

2030

2030		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.851	5.208	3.835	0.007	0.144	0.144	568.299	0.076	0.005
Trenchers	120	0.409	3.743	2.559	0.006	0.132	0.132	568.299	0.036	0.004
Trenchers	175	0.300	3.273	1.529	0.006	0.080	0.080	568.300	0.027	0.004
Trenchers	250	0.256	1.188	1.348	0.006	0.049	0.049	568.300	0.023	0.004
Trenchers	500	0.249	1.209	1.231	0.005	0.046	0.046	568.299	0.022	0.004
Trenchers	750	0.249	1.209	1.254	0.005	0.047	0.047	568.299	0.022	0.004
Welders	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Welders	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Welders	50	0.449	4.387	3.273	0.007	0.045	0.045	568.299	0.040	0.005
Welders	120	0.239	3.535	1.707	0.006	0.040	0.040	568.299	0.021	0.004
Welders	175	0.176	3.121	0.628	0.006	0.027	0.027	568.299	0.015	0.004
Welders	250	0.162	1.063	0.525	0.006	0.017	0.017	568.299	0.014	0.004
Welders	500	0.161	1.027	0.495	0.005	0.017	0.017	568.299	0.014	0.004
Water Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Water Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Water Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004

2031

2031		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Aerial Lifts	50	0.339	3.764	3.135	0.007	0.040	0.040	568.300	0.030	0.005
Aerial Lifts	120	0.188	3.352	1.657	0.006	0.036	0.036	568.299	0.017	0.004
Aerial Lifts	500	0.126	0.986	0.479	0.005	0.016	0.016	568.299	0.011	0.004
Aerial Lifts	750	0.126	0.986	0.485	0.005	0.016	0.016	568.299	0.011	0.004
Air Compressors	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressors	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressors	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressors	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressors	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressors	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressors	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressors	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressors	1000	0.182	1.049	2.600	0.005	0.033	0.033	568.299	0.016	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.029	3.020	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.415	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.038	0.279	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.274	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.333	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Industrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Industrial Saws	175	0.163	3.074	0.590	0.006	0.025	0.025	568.299	0.014	0.004
Cranes	50	0.684	5.366	3.598	0.007	0.075	0.075	568.299	0.061	0.005
Cranes	120	0.343	3.812	1.987	0.006	0.067	0.067	568.299	0.030	0.004
Cranes	175	0.253	3.356	0.916	0.006	0.042	0.042	568.299	0.022	0.004
Cranes	250	0.224	1.147	0.748	0.006	0.024	0.024	568.299	0.020	0.004
Cranes	500	0.222	1.090	0.697	0.005	0.023	0.023	568.299	0.020	0.004
Cranes	750	0.222	1.090	0.709	0.005	0.024	0.024	568.300	0.020	0.004
Cranes	9999	0.245	1.108	2.800	0.005	0.043	0.043	568.299	0.022	0.004
Crawler Tractors	50	0.833	5.605	3.808	0.007	0.116	0.116	568.299	0.075	0.005
Crawler Tractors	120	0.405	3.871	2.341	0.006	0.105	0.105	568.299	0.036	0.004
Crawler Tractors	175	0.296	3.397	1.266	0.006	0.065	0.065	568.299	0.026	0.004
Crawler Tractors	250	0.262	1.207	1.104	0.006	0.040	0.040	568.299	0.023	0.004

2031

2031		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.257	1.200	1.016	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	750	0.257	1.200	1.033	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	1000	0.265	1.225	3.094	0.005	0.056	0.056	568.300	0.023	0.004
Crushing/Proc. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Proc. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Proc. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Proc. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Tenders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.602	5.309	3.393	0.007	0.038	0.038	568.299	0.054	0.005
Excavators	120	0.301	3.806	1.676	0.006	0.034	0.034	568.299	0.027	0.004
Excavators	175	0.213	3.362	0.525	0.006	0.023	0.023	568.299	0.019	0.004
Excavators	250	0.203	1.145	0.452	0.006	0.016	0.016	568.299	0.018	0.004
Excavators	500	0.202	1.088	0.433	0.005	0.016	0.016	568.299	0.018	0.004
Excavators	750	0.202	1.088	0.437	0.005	0.016	0.016	568.299	0.018	0.004
Forklifts	50	0.565	5.272	3.330	0.007	0.023	0.023	568.299	0.051	0.005
Forklifts	120	0.283	3.799	1.555	0.006	0.021	0.021	568.299	0.025	0.004
Forklifts	175	0.199	3.360	0.391	0.006	0.015	0.015	568.299	0.018	0.004
Forklifts	250	0.195	1.144	0.341	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	500	0.195	1.088	0.341	0.005	0.012	0.012	568.299	0.017	0.004
Generator Sets	15	0.592	3.470	4.164	0.008	0.166	0.166	568.299	0.053	0.005
Generator Sets	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Generator Sets	50	0.315	3.640	3.107	0.007	0.038	0.038	568.299	0.028	0.005
Generator Sets	120	0.178	3.316	1.645	0.006	0.034	0.034	568.299	0.016	0.004
Generator Sets	175	0.130	2.929	0.601	0.006	0.023	0.023	568.299	0.011	0.004
Generator Sets	250	0.120	0.998	0.504	0.006	0.016	0.016	568.299	0.010	0.004
Generator Sets	500	0.119	0.978	0.476	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	750	0.119	0.978	0.482	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	9999	0.128	0.979	2.483	0.005	0.029	0.029	568.299	0.011	0.004
Graders	50	0.648	5.239	3.530	0.007	0.065	0.065	568.299	0.058	0.005
Graders	120	0.323	3.775	1.903	0.006	0.058	0.058	568.299	0.029	0.004
Graders	175	0.237	3.326	0.815	0.006	0.038	0.038	568.300	0.021	0.004
Graders	250	0.216	1.148	0.684	0.006	0.024	0.024	568.299	0.019	0.004
Graders	500	0.214	1.097	0.647	0.005	0.023	0.023	568.299	0.019	0.004
Graders	750	0.214	1.097	0.654	0.005	0.023	0.023	568.299	0.019	0.004
Off-Highway Tractors	120	0.518	3.944	2.959	0.006	0.175	0.175	568.299	0.046	0.004
Off-Highway Tractors	175	0.373	3.435	1.916	0.006	0.104	0.104	568.299	0.033	0.004
Off-Highway Tractors	250	0.315	1.286	1.715	0.006	0.064	0.064	568.299	0.028	0.004
Off-Highway Tractors	750	0.304	1.351	1.590	0.005	0.060	0.060	568.299	0.027	0.004
Off-Highway Tractors	1000	0.318	1.409	3.569	0.005	0.078	0.078	568.300	0.028	0.004
Off-Highway Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Off-Highway Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004

2031

2031		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.429	4.390	3.190	0.007	0.030	0.030	568.299	0.038	0.005
Other Construction Equipment	120	0.225	3.538	1.576	0.006	0.027	0.027	568.300	0.020	0.004
Other Construction Equipment	175	0.161	3.127	0.459	0.006	0.019	0.019	568.299	0.014	0.004
Other Construction Equipment	500	0.154	1.028	0.391	0.005	0.014	0.014	568.300	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.609	5.299	3.460	0.007	0.048	0.048	568.299	0.054	0.005
Other General Industrial Equipment	120	0.309	3.802	1.766	0.006	0.043	0.043	568.299	0.027	0.004
Other General Industrial Equipment	175	0.223	3.357	0.641	0.006	0.028	0.028	568.299	0.020	0.004
Other General Industrial Equipment	250	0.209	1.143	0.536	0.006	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	500	0.208	1.087	0.506	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	750	0.208	1.087	0.512	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	1000	0.212	1.088	2.660	0.005	0.035	0.035	568.299	0.019	0.004
Other Material Handling Equipment	50	0.598	5.237	3.447	0.007	0.048	0.048	568.299	0.053	0.005
Other Material Handling Equipment	120	0.304	3.784	1.762	0.006	0.043	0.043	568.299	0.027	0.004
Other Material Handling Equipment	175	0.220	3.341	0.640	0.006	0.028	0.028	568.299	0.019	0.004
Other Material Handling Equipment	250	0.206	1.138	0.535	0.006	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	500	0.205	1.083	0.505	0.005	0.018	0.018	568.299	0.018	0.004

2031

2031		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.218	1.084	2.653	0.005	0.035	0.035	568.299	0.019	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.845	5.396	3.841	0.007	0.134	0.134	568.299	0.076	0.005
Pavers	120	0.408	3.800	2.468	0.006	0.121	0.121	568.300	0.036	0.004
Pavers	175	0.300	3.326	1.425	0.006	0.074	0.074	568.299	0.027	0.004
Pavers	250	0.259	1.192	1.246	0.006	0.045	0.045	568.299	0.023	0.004
Pavers	500	0.253	1.181	1.141	0.005	0.043	0.043	568.299	0.022	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.802	5.309	3.809	0.007	0.126	0.126	568.299	0.072	0.005
Paving Equipment	120	0.390	3.774	2.393	0.006	0.114	0.114	568.300	0.035	0.004
Paving Equipment	175	0.290	3.306	1.363	0.006	0.070	0.070	568.299	0.026	0.004
Paving Equipment	250	0.250	1.171	1.176	0.006	0.042	0.042	568.299	0.022	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.592	3.470	4.164	0.008	0.166	0.166	568.300	0.053	0.005
Pressure Washers	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Pressure Washers	50	0.215	3.124	2.989	0.007	0.030	0.030	568.299	0.019	0.005
Pressure Washers	120	0.134	3.167	1.594	0.006	0.028	0.028	568.300	0.012	0.004
Pressure Washers	175	0.126	2.907	0.619	0.006	0.024	0.024	568.299	0.011	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Pumps	25	0.687	2.340	4.347	0.007	0.165	0.165	568.300	0.061	0.005
Pumps	50	0.348	3.814	3.146	0.007	0.040	0.040	568.299	0.031	0.005
Pumps	120	0.193	3.367	1.662	0.006	0.036	0.036	568.299	0.017	0.004
Pumps	175	0.142	2.973	0.610	0.006	0.024	0.024	568.299	0.012	0.004
Pumps	250	0.130	1.013	0.511	0.006	0.016	0.016	568.299	0.011	0.004
Pumps	500	0.129	0.989	0.482	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	750	0.129	0.989	0.488	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	9999	0.139	0.990	2.504	0.005	0.030	0.030	568.299	0.012	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.587	4.784	3.480	0.007	0.073	0.073	568.299	0.053	0.005
Rollers	120	0.299	3.639	1.950	0.006	0.066	0.066	568.299	0.027	0.004
Rollers	175	0.223	3.203	0.907	0.006	0.042	0.042	568.299	0.020	0.004
Rollers	250	0.195	1.099	0.745	0.006	0.024	0.024	568.299	0.017	0.004
Rollers	500	0.193	1.056	0.697	0.005	0.023	0.023	568.299	0.017	0.004
Rough Terrain Forklifts	50	0.548	5.031	3.359	0.007	0.039	0.039	568.299	0.049	0.005
Rough Terrain Forklifts	120	0.279	3.725	1.671	0.006	0.034	0.034	568.299	0.025	0.004
Rough Terrain Forklifts	175	0.200	3.291	0.537	0.006	0.023	0.023	568.299	0.018	0.004
Rough Terrain Forklifts	250	0.191	1.121	0.463	0.006	0.016	0.016	568.299	0.017	0.004
Rough Terrain Forklifts	500	0.190	1.070	0.443	0.005	0.016	0.016	568.300	0.017	0.004
Rubber Tired Dozers	175	0.398	3.496	2.034	0.006	0.111	0.111	568.299	0.035	0.004
Rubber Tired Dozers	250	0.335	1.322	1.828	0.006	0.069	0.069	568.299	0.030	0.004
Rubber Tired Dozers	500	0.322	1.401	1.658	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	750	0.323	1.401	1.694	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	1000	0.338	1.465	3.676	0.005	0.082	0.082	568.299	0.030	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005

2031

2031		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.634	5.181	3.500	0.007	0.062	0.062	568.300	0.057	0.005
Rubber Tired Loaders	120	0.317	3.759	1.875	0.006	0.056	0.056	568.299	0.028	0.004
Rubber Tired Loaders	175	0.232	3.312	0.787	0.006	0.036	0.036	568.299	0.020	0.004
Rubber Tired Loaders	250	0.210	1.138	0.655	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	500	0.208	1.085	0.619	0.005	0.021	0.021	568.299	0.018	0.004
Rubber Tired Loaders	750	0.208	1.085	0.627	0.005	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	1000	0.214	1.099	2.722	0.005	0.039	0.039	568.299	0.019	0.004
Scrapers	120	0.410	3.866	2.384	0.006	0.111	0.111	568.299	0.037	0.004
Scrapers	175	0.301	3.389	1.320	0.006	0.068	0.068	568.299	0.027	0.004
Scrapers	250	0.264	1.206	1.149	0.006	0.042	0.042	568.299	0.023	0.004
Scrapers	500	0.259	1.184	1.057	0.005	0.040	0.040	568.299	0.023	0.004
Scrapers	750	0.259	1.184	1.075	0.005	0.040	0.040	568.299	0.023	0.004
Signal Boards	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.393	4.099	3.193	0.007	0.040	0.040	568.299	0.035	0.005
Signal Boards	120	0.213	3.451	1.657	0.006	0.035	0.035	568.300	0.019	0.004
Signal Boards	175	0.157	3.048	0.586	0.006	0.024	0.024	568.299	0.014	0.004
Signal Boards	250	0.176	1.255	0.594	0.007	0.019	0.019	686.695	0.015	0.004
Skid Steer Loaders	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.386	3.128	0.007	0.018	0.018	568.299	0.037	0.005
Skid Steer Loaders	120	0.214	3.538	1.477	0.006	0.017	0.017	568.299	0.019	0.004
Surfacing Equipment	50	0.518	4.295	3.400	0.007	0.075	0.075	568.299	0.046	0.005
Surfacing Equipment	120	0.264	3.492	1.959	0.006	0.068	0.068	568.299	0.023	0.004
Surfacing Equipment	175	0.197	3.071	0.939	0.006	0.043	0.043	568.299	0.017	0.004
Surfacing Equipment	250	0.172	1.064	0.789	0.006	0.026	0.026	568.299	0.015	0.004
Surfacing Equipment	500	0.169	1.032	0.738	0.005	0.025	0.025	568.299	0.015	0.004
Surfacing Equipment	750	0.169	1.032	0.749	0.005	0.025	0.025	568.299	0.015	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.509	4.947	3.294	0.007	0.026	0.026	568.299	0.046	0.005
Sweepers/Scrubbers	120	0.261	3.703	1.569	0.006	0.023	0.023	568.299	0.023	0.004
Sweepers/Scrubbers	175	0.187	3.275	0.431	0.006	0.017	0.017	568.299	0.016	0.004
Sweepers/Scrubbers	250	0.182	1.116	0.370	0.006	0.013	0.013	568.299	0.016	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.539	4.966	3.299	0.007	0.033	0.033	568.299	0.048	0.005
Tractors/Loaders/Backhoes	120	0.272	3.705	1.624	0.006	0.030	0.030	568.299	0.024	0.004
Tractors/Loaders/Backhoes	175	0.193	3.273	0.485	0.006	0.020	0.020	568.299	0.017	0.004
Tractors/Loaders/Backhoes	250	0.183	1.115	0.418	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.182	1.066	0.403	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	750	0.182	1.066	0.407	0.006	0.014	0.014	568.299	0.016	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005

2031

2031		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.851	5.208	3.835	0.007	0.144	0.144	568.299	0.076	0.005
Trenchers	120	0.409	3.743	2.559	0.006	0.132	0.132	568.299	0.036	0.004
Trenchers	175	0.300	3.273	1.529	0.006	0.080	0.080	568.300	0.027	0.004
Trenchers	250	0.256	1.188	1.348	0.006	0.049	0.049	568.300	0.023	0.004
Trenchers	500	0.249	1.209	1.231	0.005	0.046	0.046	568.299	0.022	0.004
Trenchers	750	0.249	1.209	1.254	0.005	0.047	0.047	568.299	0.022	0.004
Welders	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Welders	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Welders	50	0.449	4.387	3.273	0.007	0.045	0.045	568.299	0.040	0.005
Welders	120	0.239	3.535	1.707	0.006	0.040	0.040	568.299	0.021	0.004
Welders	175	0.176	3.121	0.628	0.006	0.027	0.027	568.299	0.015	0.004
Welders	250	0.162	1.063	0.525	0.006	0.017	0.017	568.299	0.014	0.004
Welders	500	0.161	1.027	0.495	0.005	0.017	0.017	568.299	0.014	0.004
Water Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Water Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Water Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004

2032

2032		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Aerial Lifts	50	0.339	3.764	3.135	0.007	0.040	0.040	568.300	0.030	0.005
Aerial Lifts	120	0.188	3.352	1.657	0.006	0.036	0.036	568.299	0.017	0.004
Aerial Lifts	500	0.126	0.986	0.479	0.005	0.016	0.016	568.299	0.011	0.004
Aerial Lifts	750	0.126	0.986	0.485	0.005	0.016	0.016	568.299	0.011	0.004
Air Compressors	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressors	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressors	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressors	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressors	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressors	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressors	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressors	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressors	1000	0.182	1.049	2.600	0.005	0.033	0.033	568.299	0.016	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.029	3.020	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.415	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.038	0.279	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.274	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.333	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Industrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Industrial Saws	175	0.163	3.074	0.590	0.006	0.025	0.025	568.299	0.014	0.004
Cranes	50	0.684	5.366	3.598	0.007	0.075	0.075	568.299	0.061	0.005
Cranes	120	0.343	3.812	1.987	0.006	0.067	0.067	568.299	0.030	0.004
Cranes	175	0.253	3.356	0.916	0.006	0.042	0.042	568.299	0.022	0.004
Cranes	250	0.224	1.147	0.748	0.006	0.024	0.024	568.299	0.020	0.004
Cranes	500	0.222	1.090	0.697	0.005	0.023	0.023	568.299	0.020	0.004
Cranes	750	0.222	1.090	0.709	0.005	0.024	0.024	568.300	0.020	0.004
Cranes	9999	0.245	1.108	2.800	0.005	0.043	0.043	568.299	0.022	0.004
Crawler Tractors	50	0.833	5.605	3.808	0.007	0.116	0.116	568.299	0.075	0.005
Crawler Tractors	120	0.405	3.871	2.341	0.006	0.105	0.105	568.299	0.036	0.004
Crawler Tractors	175	0.296	3.397	1.266	0.006	0.065	0.065	568.299	0.026	0.004
Crawler Tractors	250	0.262	1.207	1.104	0.006	0.040	0.040	568.299	0.023	0.004

2032

2032		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.257	1.200	1.016	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	750	0.257	1.200	1.033	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	1000	0.265	1.225	3.094	0.005	0.056	0.056	568.300	0.023	0.004
Crushing/Proc. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Proc. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Proc. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Proc. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Tenders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.602	5.309	3.393	0.007	0.038	0.038	568.299	0.054	0.005
Excavators	120	0.301	3.806	1.676	0.006	0.034	0.034	568.299	0.027	0.004
Excavators	175	0.213	3.362	0.525	0.006	0.023	0.023	568.299	0.019	0.004
Excavators	250	0.203	1.145	0.452	0.006	0.016	0.016	568.299	0.018	0.004
Excavators	500	0.202	1.088	0.433	0.005	0.016	0.016	568.299	0.018	0.004
Excavators	750	0.202	1.088	0.437	0.005	0.016	0.016	568.299	0.018	0.004
Forklifts	50	0.565	5.272	3.330	0.007	0.023	0.023	568.299	0.051	0.005
Forklifts	120	0.283	3.799	1.555	0.006	0.021	0.021	568.299	0.025	0.004
Forklifts	175	0.199	3.360	0.391	0.006	0.015	0.015	568.299	0.018	0.004
Forklifts	250	0.195	1.144	0.341	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	500	0.195	1.088	0.341	0.005	0.012	0.012	568.299	0.017	0.004
Generator Sets	15	0.592	3.470	4.164	0.008	0.166	0.166	568.299	0.053	0.005
Generator Sets	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Generator Sets	50	0.315	3.640	3.107	0.007	0.038	0.038	568.299	0.028	0.005
Generator Sets	120	0.178	3.316	1.645	0.006	0.034	0.034	568.299	0.016	0.004
Generator Sets	175	0.130	2.929	0.601	0.006	0.023	0.023	568.299	0.011	0.004
Generator Sets	250	0.120	0.998	0.504	0.006	0.016	0.016	568.299	0.010	0.004
Generator Sets	500	0.119	0.978	0.476	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	750	0.119	0.978	0.482	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	9999	0.128	0.979	2.483	0.005	0.029	0.029	568.299	0.011	0.004
Graders	50	0.648	5.239	3.530	0.007	0.065	0.065	568.299	0.058	0.005
Graders	120	0.323	3.775	1.903	0.006	0.058	0.058	568.299	0.029	0.004
Graders	175	0.237	3.326	0.815	0.006	0.038	0.038	568.300	0.021	0.004
Graders	250	0.216	1.148	0.684	0.006	0.024	0.024	568.299	0.019	0.004
Graders	500	0.214	1.097	0.647	0.005	0.023	0.023	568.299	0.019	0.004
Graders	750	0.214	1.097	0.654	0.005	0.023	0.023	568.299	0.019	0.004
Off-Highway Tractors	120	0.518	3.944	2.959	0.006	0.175	0.175	568.299	0.046	0.004
Off-Highway Tractors	175	0.373	3.435	1.916	0.006	0.104	0.104	568.299	0.033	0.004
Off-Highway Tractors	250	0.315	1.286	1.715	0.006	0.064	0.064	568.299	0.028	0.004
Off-Highway Tractors	750	0.304	1.351	1.590	0.005	0.060	0.060	568.299	0.027	0.004
Off-Highway Tractors	1000	0.318	1.409	3.569	0.005	0.078	0.078	568.300	0.028	0.004
Off-Highway Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Off-Highway Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004

2032

2032		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.429	4.390	3.190	0.007	0.030	0.030	568.299	0.038	0.005
Other Construction Equipment	120	0.225	3.538	1.576	0.006	0.027	0.027	568.300	0.020	0.004
Other Construction Equipment	175	0.161	3.127	0.459	0.006	0.019	0.019	568.299	0.014	0.004
Other Construction Equipment	500	0.154	1.028	0.391	0.005	0.014	0.014	568.300	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.609	5.299	3.460	0.007	0.048	0.048	568.299	0.054	0.005
Other General Industrial Equipment	120	0.309	3.802	1.766	0.006	0.043	0.043	568.299	0.027	0.004
Other General Industrial Equipment	175	0.223	3.357	0.641	0.006	0.028	0.028	568.299	0.020	0.004
Other General Industrial Equipment	250	0.209	1.143	0.536	0.006	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	500	0.208	1.087	0.506	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	750	0.208	1.087	0.512	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	1000	0.212	1.088	2.660	0.005	0.035	0.035	568.299	0.019	0.004
Other Material Handling Equipment	50	0.598	5.237	3.447	0.007	0.048	0.048	568.299	0.053	0.005
Other Material Handling Equipment	120	0.304	3.784	1.762	0.006	0.043	0.043	568.299	0.027	0.004
Other Material Handling Equipment	175	0.220	3.341	0.640	0.006	0.028	0.028	568.299	0.019	0.004
Other Material Handling Equipment	250	0.206	1.138	0.535	0.006	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	500	0.205	1.083	0.505	0.005	0.018	0.018	568.299	0.018	0.004

2032

2032		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.218	1.084	2.653	0.005	0.035	0.035	568.299	0.019	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.845	5.396	3.841	0.007	0.134	0.134	568.299	0.076	0.005
Pavers	120	0.408	3.800	2.468	0.006	0.121	0.121	568.300	0.036	0.004
Pavers	175	0.300	3.326	1.425	0.006	0.074	0.074	568.299	0.027	0.004
Pavers	250	0.259	1.192	1.246	0.006	0.045	0.045	568.299	0.023	0.004
Pavers	500	0.253	1.181	1.141	0.005	0.043	0.043	568.299	0.022	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.802	5.309	3.809	0.007	0.126	0.126	568.299	0.072	0.005
Paving Equipment	120	0.390	3.774	2.393	0.006	0.114	0.114	568.300	0.035	0.004
Paving Equipment	175	0.290	3.306	1.363	0.006	0.070	0.070	568.299	0.026	0.004
Paving Equipment	250	0.250	1.171	1.176	0.006	0.042	0.042	568.299	0.022	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.592	3.470	4.164	0.008	0.166	0.166	568.300	0.053	0.005
Pressure Washers	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Pressure Washers	50	0.215	3.124	2.989	0.007	0.030	0.030	568.299	0.019	0.005
Pressure Washers	120	0.134	3.167	1.594	0.006	0.028	0.028	568.300	0.012	0.004
Pressure Washers	175	0.126	2.907	0.619	0.006	0.024	0.024	568.299	0.011	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Pumps	25	0.687	2.340	4.347	0.007	0.165	0.165	568.300	0.061	0.005
Pumps	50	0.348	3.814	3.146	0.007	0.040	0.040	568.299	0.031	0.005
Pumps	120	0.193	3.367	1.662	0.006	0.036	0.036	568.299	0.017	0.004
Pumps	175	0.142	2.973	0.610	0.006	0.024	0.024	568.299	0.012	0.004
Pumps	250	0.130	1.013	0.511	0.006	0.016	0.016	568.299	0.011	0.004
Pumps	500	0.129	0.989	0.482	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	750	0.129	0.989	0.488	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	9999	0.139	0.990	2.504	0.005	0.030	0.030	568.299	0.012	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.587	4.784	3.480	0.007	0.073	0.073	568.299	0.053	0.005
Rollers	120	0.299	3.639	1.950	0.006	0.066	0.066	568.299	0.027	0.004
Rollers	175	0.223	3.203	0.907	0.006	0.042	0.042	568.299	0.020	0.004
Rollers	250	0.195	1.099	0.745	0.006	0.024	0.024	568.299	0.017	0.004
Rollers	500	0.193	1.056	0.697	0.005	0.023	0.023	568.299	0.017	0.004
Rough Terrain Forklifts	50	0.548	5.031	3.359	0.007	0.039	0.039	568.299	0.049	0.005
Rough Terrain Forklifts	120	0.279	3.725	1.671	0.006	0.034	0.034	568.299	0.025	0.004
Rough Terrain Forklifts	175	0.200	3.291	0.537	0.006	0.023	0.023	568.299	0.018	0.004
Rough Terrain Forklifts	250	0.191	1.121	0.463	0.006	0.016	0.016	568.299	0.017	0.004
Rough Terrain Forklifts	500	0.190	1.070	0.443	0.005	0.016	0.016	568.300	0.017	0.004
Rubber Tired Dozers	175	0.398	3.496	2.034	0.006	0.111	0.111	568.299	0.035	0.004
Rubber Tired Dozers	250	0.335	1.322	1.828	0.006	0.069	0.069	568.299	0.030	0.004
Rubber Tired Dozers	500	0.322	1.401	1.658	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	750	0.323	1.401	1.694	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	1000	0.338	1.465	3.676	0.005	0.082	0.082	568.299	0.030	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005

2032

2032		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.634	5.181	3.500	0.007	0.062	0.062	568.300	0.057	0.005
Rubber Tired Loaders	120	0.317	3.759	1.875	0.006	0.056	0.056	568.299	0.028	0.004
Rubber Tired Loaders	175	0.232	3.312	0.787	0.006	0.036	0.036	568.299	0.020	0.004
Rubber Tired Loaders	250	0.210	1.138	0.655	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	500	0.208	1.085	0.619	0.005	0.021	0.021	568.299	0.018	0.004
Rubber Tired Loaders	750	0.208	1.085	0.627	0.005	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	1000	0.214	1.099	2.722	0.005	0.039	0.039	568.299	0.019	0.004
Scrapers	120	0.410	3.866	2.384	0.006	0.111	0.111	568.299	0.037	0.004
Scrapers	175	0.301	3.389	1.320	0.006	0.068	0.068	568.299	0.027	0.004
Scrapers	250	0.264	1.206	1.149	0.006	0.042	0.042	568.299	0.023	0.004
Scrapers	500	0.259	1.184	1.057	0.005	0.040	0.040	568.299	0.023	0.004
Scrapers	750	0.259	1.184	1.075	0.005	0.040	0.040	568.299	0.023	0.004
Signal Boards	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.393	4.099	3.193	0.007	0.040	0.040	568.299	0.035	0.005
Signal Boards	120	0.213	3.451	1.657	0.006	0.035	0.035	568.300	0.019	0.004
Signal Boards	175	0.157	3.048	0.586	0.006	0.024	0.024	568.299	0.014	0.004
Signal Boards	250	0.176	1.255	0.594	0.007	0.019	0.019	686.695	0.015	0.004
Skid Steer Loaders	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.386	3.128	0.007	0.018	0.018	568.299	0.037	0.005
Skid Steer Loaders	120	0.214	3.538	1.477	0.006	0.017	0.017	568.299	0.019	0.004
Surfacing Equipment	50	0.518	4.295	3.400	0.007	0.075	0.075	568.299	0.046	0.005
Surfacing Equipment	120	0.264	3.492	1.959	0.006	0.068	0.068	568.299	0.023	0.004
Surfacing Equipment	175	0.197	3.071	0.939	0.006	0.043	0.043	568.299	0.017	0.004
Surfacing Equipment	250	0.172	1.064	0.789	0.006	0.026	0.026	568.299	0.015	0.004
Surfacing Equipment	500	0.169	1.032	0.738	0.005	0.025	0.025	568.299	0.015	0.004
Surfacing Equipment	750	0.169	1.032	0.749	0.005	0.025	0.025	568.299	0.015	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.509	4.947	3.294	0.007	0.026	0.026	568.299	0.046	0.005
Sweepers/Scrubbers	120	0.261	3.703	1.569	0.006	0.023	0.023	568.299	0.023	0.004
Sweepers/Scrubbers	175	0.187	3.275	0.431	0.006	0.017	0.017	568.299	0.016	0.004
Sweepers/Scrubbers	250	0.182	1.116	0.370	0.006	0.013	0.013	568.299	0.016	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.539	4.966	3.299	0.007	0.033	0.033	568.299	0.048	0.005
Tractors/Loaders/Backhoes	120	0.272	3.705	1.624	0.006	0.030	0.030	568.299	0.024	0.004
Tractors/Loaders/Backhoes	175	0.193	3.273	0.485	0.006	0.020	0.020	568.299	0.017	0.004
Tractors/Loaders/Backhoes	250	0.183	1.115	0.418	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.182	1.066	0.403	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	750	0.182	1.066	0.407	0.006	0.014	0.014	568.299	0.016	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005

2032

2032		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.851	5.208	3.835	0.007	0.144	0.144	568.299	0.076	0.005
Trenchers	120	0.409	3.743	2.559	0.006	0.132	0.132	568.299	0.036	0.004
Trenchers	175	0.300	3.273	1.529	0.006	0.080	0.080	568.300	0.027	0.004
Trenchers	250	0.256	1.188	1.348	0.006	0.049	0.049	568.300	0.023	0.004
Trenchers	500	0.249	1.209	1.231	0.005	0.046	0.046	568.299	0.022	0.004
Trenchers	750	0.249	1.209	1.254	0.005	0.047	0.047	568.299	0.022	0.004
Welders	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Welders	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Welders	50	0.449	4.387	3.273	0.007	0.045	0.045	568.299	0.040	0.005
Welders	120	0.239	3.535	1.707	0.006	0.040	0.040	568.299	0.021	0.004
Welders	175	0.176	3.121	0.628	0.006	0.027	0.027	568.299	0.015	0.004
Welders	250	0.162	1.063	0.525	0.006	0.017	0.017	568.299	0.014	0.004
Welders	500	0.161	1.027	0.495	0.005	0.017	0.017	568.299	0.014	0.004
Water Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Water Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Water Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004

2033

2033		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Aerial Lifts	50	0.339	3.764	3.135	0.007	0.040	0.040	568.300	0.030	0.005
Aerial Lifts	120	0.188	3.352	1.657	0.006	0.036	0.036	568.299	0.017	0.004
Aerial Lifts	500	0.126	0.986	0.479	0.005	0.016	0.016	568.299	0.011	0.004
Aerial Lifts	750	0.126	0.986	0.485	0.005	0.016	0.016	568.299	0.011	0.004
Air Compressors	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressors	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressors	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressors	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressors	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressors	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressors	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressors	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressors	1000	0.182	1.049	2.600	0.005	0.033	0.033	568.299	0.016	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.029	3.020	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.415	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.038	0.279	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.274	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.333	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Industrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Industrial Saws	175	0.163	3.074	0.590	0.006	0.025	0.025	568.299	0.014	0.004
Cranes	50	0.684	5.366	3.598	0.007	0.075	0.075	568.299	0.061	0.005
Cranes	120	0.343	3.812	1.987	0.006	0.067	0.067	568.299	0.030	0.004
Cranes	175	0.253	3.356	0.916	0.006	0.042	0.042	568.299	0.022	0.004
Cranes	250	0.224	1.147	0.748	0.006	0.024	0.024	568.299	0.020	0.004
Cranes	500	0.222	1.090	0.697	0.005	0.023	0.023	568.299	0.020	0.004
Cranes	750	0.222	1.090	0.709	0.005	0.024	0.024	568.300	0.020	0.004
Cranes	9999	0.245	1.108	2.800	0.005	0.043	0.043	568.299	0.022	0.004
Crawler Tractors	50	0.833	5.605	3.808	0.007	0.116	0.116	568.299	0.075	0.005
Crawler Tractors	120	0.405	3.871	2.341	0.006	0.105	0.105	568.299	0.036	0.004
Crawler Tractors	175	0.296	3.397	1.266	0.006	0.065	0.065	568.299	0.026	0.004
Crawler Tractors	250	0.262	1.207	1.104	0.006	0.040	0.040	568.299	0.023	0.004

2033

2033		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.257	1.200	1.016	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	750	0.257	1.200	1.033	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	1000	0.265	1.225	3.094	0.005	0.056	0.056	568.300	0.023	0.004
Crushing/Proc. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Proc. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Proc. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Proc. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Tenders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.602	5.309	3.393	0.007	0.038	0.038	568.299	0.054	0.005
Excavators	120	0.301	3.806	1.676	0.006	0.034	0.034	568.299	0.027	0.004
Excavators	175	0.213	3.362	0.525	0.006	0.023	0.023	568.299	0.019	0.004
Excavators	250	0.203	1.145	0.452	0.006	0.016	0.016	568.299	0.018	0.004
Excavators	500	0.202	1.088	0.433	0.005	0.016	0.016	568.299	0.018	0.004
Excavators	750	0.202	1.088	0.437	0.005	0.016	0.016	568.299	0.018	0.004
Forklifts	50	0.565	5.272	3.330	0.007	0.023	0.023	568.299	0.051	0.005
Forklifts	120	0.283	3.799	1.555	0.006	0.021	0.021	568.299	0.025	0.004
Forklifts	175	0.199	3.360	0.391	0.006	0.015	0.015	568.299	0.018	0.004
Forklifts	250	0.195	1.144	0.341	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	500	0.195	1.088	0.341	0.005	0.012	0.012	568.299	0.017	0.004
Generator Sets	15	0.592	3.470	4.164	0.008	0.166	0.166	568.299	0.053	0.005
Generator Sets	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Generator Sets	50	0.315	3.640	3.107	0.007	0.038	0.038	568.299	0.028	0.005
Generator Sets	120	0.178	3.316	1.645	0.006	0.034	0.034	568.299	0.016	0.004
Generator Sets	175	0.130	2.929	0.601	0.006	0.023	0.023	568.299	0.011	0.004
Generator Sets	250	0.120	0.998	0.504	0.006	0.016	0.016	568.299	0.010	0.004
Generator Sets	500	0.119	0.978	0.476	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	750	0.119	0.978	0.482	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	9999	0.128	0.979	2.483	0.005	0.029	0.029	568.299	0.011	0.004
Graders	50	0.648	5.239	3.530	0.007	0.065	0.065	568.299	0.058	0.005
Graders	120	0.323	3.775	1.903	0.006	0.058	0.058	568.299	0.029	0.004
Graders	175	0.237	3.326	0.815	0.006	0.038	0.038	568.300	0.021	0.004
Graders	250	0.216	1.148	0.684	0.006	0.024	0.024	568.299	0.019	0.004
Graders	500	0.214	1.097	0.647	0.005	0.023	0.023	568.299	0.019	0.004
Graders	750	0.214	1.097	0.654	0.005	0.023	0.023	568.299	0.019	0.004
Off-Highway Tractors	120	0.518	3.944	2.959	0.006	0.175	0.175	568.299	0.046	0.004
Off-Highway Tractors	175	0.373	3.435	1.916	0.006	0.104	0.104	568.299	0.033	0.004
Off-Highway Tractors	250	0.315	1.286	1.715	0.006	0.064	0.064	568.299	0.028	0.004
Off-Highway Tractors	750	0.304	1.351	1.590	0.005	0.060	0.060	568.299	0.027	0.004
Off-Highway Tractors	1000	0.318	1.409	3.569	0.005	0.078	0.078	568.300	0.028	0.004
Off-Highway Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Off-Highway Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004

2033

2033		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.429	4.390	3.190	0.007	0.030	0.030	568.299	0.038	0.005
Other Construction Equipment	120	0.225	3.538	1.576	0.006	0.027	0.027	568.300	0.020	0.004
Other Construction Equipment	175	0.161	3.127	0.459	0.006	0.019	0.019	568.299	0.014	0.004
Other Construction Equipment	500	0.154	1.028	0.391	0.005	0.014	0.014	568.300	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.609	5.299	3.460	0.007	0.048	0.048	568.299	0.054	0.005
Other General Industrial Equipment	120	0.309	3.802	1.766	0.006	0.043	0.043	568.299	0.027	0.004
Other General Industrial Equipment	175	0.223	3.357	0.641	0.006	0.028	0.028	568.299	0.020	0.004
Other General Industrial Equipment	250	0.209	1.143	0.536	0.006	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	500	0.208	1.087	0.506	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	750	0.208	1.087	0.512	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	1000	0.212	1.088	2.660	0.005	0.035	0.035	568.299	0.019	0.004
Other Material Handling Equipment	50	0.598	5.237	3.447	0.007	0.048	0.048	568.299	0.053	0.005
Other Material Handling Equipment	120	0.304	3.784	1.762	0.006	0.043	0.043	568.299	0.027	0.004
Other Material Handling Equipment	175	0.220	3.341	0.640	0.006	0.028	0.028	568.299	0.019	0.004
Other Material Handling Equipment	250	0.206	1.138	0.535	0.006	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	500	0.205	1.083	0.505	0.005	0.018	0.018	568.299	0.018	0.004

2033

2033		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.218	1.084	2.653	0.005	0.035	0.035	568.299	0.019	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.845	5.396	3.841	0.007	0.134	0.134	568.299	0.076	0.005
Pavers	120	0.408	3.800	2.468	0.006	0.121	0.121	568.300	0.036	0.004
Pavers	175	0.300	3.326	1.425	0.006	0.074	0.074	568.299	0.027	0.004
Pavers	250	0.259	1.192	1.246	0.006	0.045	0.045	568.299	0.023	0.004
Pavers	500	0.253	1.181	1.141	0.005	0.043	0.043	568.299	0.022	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.802	5.309	3.809	0.007	0.126	0.126	568.299	0.072	0.005
Paving Equipment	120	0.390	3.774	2.393	0.006	0.114	0.114	568.300	0.035	0.004
Paving Equipment	175	0.290	3.306	1.363	0.006	0.070	0.070	568.299	0.026	0.004
Paving Equipment	250	0.250	1.171	1.176	0.006	0.042	0.042	568.299	0.022	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.592	3.470	4.164	0.008	0.166	0.166	568.300	0.053	0.005
Pressure Washers	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Pressure Washers	50	0.215	3.124	2.989	0.007	0.030	0.030	568.299	0.019	0.005
Pressure Washers	120	0.134	3.167	1.594	0.006	0.028	0.028	568.300	0.012	0.004
Pressure Washers	175	0.126	2.907	0.619	0.006	0.024	0.024	568.299	0.011	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Pumps	25	0.687	2.340	4.347	0.007	0.165	0.165	568.300	0.061	0.005
Pumps	50	0.348	3.814	3.146	0.007	0.040	0.040	568.299	0.031	0.005
Pumps	120	0.193	3.367	1.662	0.006	0.036	0.036	568.299	0.017	0.004
Pumps	175	0.142	2.973	0.610	0.006	0.024	0.024	568.299	0.012	0.004
Pumps	250	0.130	1.013	0.511	0.006	0.016	0.016	568.299	0.011	0.004
Pumps	500	0.129	0.989	0.482	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	750	0.129	0.989	0.488	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	9999	0.139	0.990	2.504	0.005	0.030	0.030	568.299	0.012	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.587	4.784	3.480	0.007	0.073	0.073	568.299	0.053	0.005
Rollers	120	0.299	3.639	1.950	0.006	0.066	0.066	568.299	0.027	0.004
Rollers	175	0.223	3.203	0.907	0.006	0.042	0.042	568.299	0.020	0.004
Rollers	250	0.195	1.099	0.745	0.006	0.024	0.024	568.299	0.017	0.004
Rollers	500	0.193	1.056	0.697	0.005	0.023	0.023	568.299	0.017	0.004
Rough Terrain Forklifts	50	0.548	5.031	3.359	0.007	0.039	0.039	568.299	0.049	0.005
Rough Terrain Forklifts	120	0.279	3.725	1.671	0.006	0.034	0.034	568.299	0.025	0.004
Rough Terrain Forklifts	175	0.200	3.291	0.537	0.006	0.023	0.023	568.299	0.018	0.004
Rough Terrain Forklifts	250	0.191	1.121	0.463	0.006	0.016	0.016	568.299	0.017	0.004
Rough Terrain Forklifts	500	0.190	1.070	0.443	0.005	0.016	0.016	568.300	0.017	0.004
Rubber Tired Dozers	175	0.398	3.496	2.034	0.006	0.111	0.111	568.299	0.035	0.004
Rubber Tired Dozers	250	0.335	1.322	1.828	0.006	0.069	0.069	568.299	0.030	0.004
Rubber Tired Dozers	500	0.322	1.401	1.658	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	750	0.323	1.401	1.694	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	1000	0.338	1.465	3.676	0.005	0.082	0.082	568.299	0.030	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005

2033

2033		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.634	5.181	3.500	0.007	0.062	0.062	568.300	0.057	0.005
Rubber Tired Loaders	120	0.317	3.759	1.875	0.006	0.056	0.056	568.299	0.028	0.004
Rubber Tired Loaders	175	0.232	3.312	0.787	0.006	0.036	0.036	568.299	0.020	0.004
Rubber Tired Loaders	250	0.210	1.138	0.655	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	500	0.208	1.085	0.619	0.005	0.021	0.021	568.299	0.018	0.004
Rubber Tired Loaders	750	0.208	1.085	0.627	0.005	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	1000	0.214	1.099	2.722	0.005	0.039	0.039	568.299	0.019	0.004
Scrapers	120	0.410	3.866	2.384	0.006	0.111	0.111	568.299	0.037	0.004
Scrapers	175	0.301	3.389	1.320	0.006	0.068	0.068	568.299	0.027	0.004
Scrapers	250	0.264	1.206	1.149	0.006	0.042	0.042	568.299	0.023	0.004
Scrapers	500	0.259	1.184	1.057	0.005	0.040	0.040	568.299	0.023	0.004
Scrapers	750	0.259	1.184	1.075	0.005	0.040	0.040	568.299	0.023	0.004
Signal Boards	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.393	4.099	3.193	0.007	0.040	0.040	568.299	0.035	0.005
Signal Boards	120	0.213	3.451	1.657	0.006	0.035	0.035	568.300	0.019	0.004
Signal Boards	175	0.157	3.048	0.586	0.006	0.024	0.024	568.299	0.014	0.004
Signal Boards	250	0.176	1.255	0.594	0.007	0.019	0.019	686.695	0.015	0.004
Skid Steer Loaders	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.386	3.128	0.007	0.018	0.018	568.299	0.037	0.005
Skid Steer Loaders	120	0.214	3.538	1.477	0.006	0.017	0.017	568.299	0.019	0.004
Surfacing Equipment	50	0.518	4.295	3.400	0.007	0.075	0.075	568.299	0.046	0.005
Surfacing Equipment	120	0.264	3.492	1.959	0.006	0.068	0.068	568.299	0.023	0.004
Surfacing Equipment	175	0.197	3.071	0.939	0.006	0.043	0.043	568.299	0.017	0.004
Surfacing Equipment	250	0.172	1.064	0.789	0.006	0.026	0.026	568.299	0.015	0.004
Surfacing Equipment	500	0.169	1.032	0.738	0.005	0.025	0.025	568.299	0.015	0.004
Surfacing Equipment	750	0.169	1.032	0.749	0.005	0.025	0.025	568.299	0.015	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.509	4.947	3.294	0.007	0.026	0.026	568.299	0.046	0.005
Sweepers/Scrubbers	120	0.261	3.703	1.569	0.006	0.023	0.023	568.299	0.023	0.004
Sweepers/Scrubbers	175	0.187	3.275	0.431	0.006	0.017	0.017	568.299	0.016	0.004
Sweepers/Scrubbers	250	0.182	1.116	0.370	0.006	0.013	0.013	568.299	0.016	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.539	4.966	3.299	0.007	0.033	0.033	568.299	0.048	0.005
Tractors/Loaders/Backhoes	120	0.272	3.705	1.624	0.006	0.030	0.030	568.299	0.024	0.004
Tractors/Loaders/Backhoes	175	0.193	3.273	0.485	0.006	0.020	0.020	568.299	0.017	0.004
Tractors/Loaders/Backhoes	250	0.183	1.115	0.418	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.182	1.066	0.403	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	750	0.182	1.066	0.407	0.006	0.014	0.014	568.299	0.016	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005

2033

2033		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.851	5.208	3.835	0.007	0.144	0.144	568.299	0.076	0.005
Trenchers	120	0.409	3.743	2.559	0.006	0.132	0.132	568.299	0.036	0.004
Trenchers	175	0.300	3.273	1.529	0.006	0.080	0.080	568.300	0.027	0.004
Trenchers	250	0.256	1.188	1.348	0.006	0.049	0.049	568.300	0.023	0.004
Trenchers	500	0.249	1.209	1.231	0.005	0.046	0.046	568.299	0.022	0.004
Trenchers	750	0.249	1.209	1.254	0.005	0.047	0.047	568.299	0.022	0.004
Welders	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Welders	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Welders	50	0.449	4.387	3.273	0.007	0.045	0.045	568.299	0.040	0.005
Welders	120	0.239	3.535	1.707	0.006	0.040	0.040	568.299	0.021	0.004
Welders	175	0.176	3.121	0.628	0.006	0.027	0.027	568.299	0.015	0.004
Welders	250	0.162	1.063	0.525	0.006	0.017	0.017	568.299	0.014	0.004
Welders	500	0.161	1.027	0.495	0.005	0.017	0.017	568.299	0.014	0.004
Water Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Water Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Water Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004

2034

2034		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Aerial Lifts	50	0.339	3.764	3.135	0.007	0.040	0.040	568.300	0.030	0.005
Aerial Lifts	120	0.188	3.352	1.657	0.006	0.036	0.036	568.299	0.017	0.004
Aerial Lifts	500	0.126	0.986	0.479	0.005	0.016	0.016	568.299	0.011	0.004
Aerial Lifts	750	0.126	0.986	0.485	0.005	0.016	0.016	568.299	0.011	0.004
Air Compressors	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Air Compressors	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Air Compressors	50	0.506	4.712	3.340	0.007	0.046	0.046	568.299	0.045	0.005
Air Compressors	120	0.264	3.630	1.729	0.006	0.041	0.041	568.299	0.023	0.004
Air Compressors	175	0.193	3.205	0.633	0.006	0.027	0.027	568.299	0.017	0.004
Air Compressors	250	0.179	1.092	0.529	0.006	0.018	0.018	568.299	0.016	0.004
Air Compressors	500	0.178	1.048	0.499	0.005	0.017	0.017	568.299	0.016	0.004
Air Compressors	750	0.178	1.048	0.505	0.005	0.017	0.017	568.300	0.016	0.004
Air Compressors	1000	0.182	1.049	2.600	0.005	0.033	0.033	568.299	0.016	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.029	3.020	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.415	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.038	0.279	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.274	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.274	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.333	0.007	0.162	0.162	568.299	0.061	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.409	4.199	3.222	0.007	0.041	0.041	568.299	0.036	0.005
Concrete/Industrial Saws	120	0.221	3.480	1.667	0.006	0.036	0.036	568.299	0.019	0.004
Concrete/Industrial Saws	175	0.163	3.074	0.590	0.006	0.025	0.025	568.299	0.014	0.004
Cranes	50	0.684	5.366	3.598	0.007	0.075	0.075	568.299	0.061	0.005
Cranes	120	0.343	3.812	1.987	0.006	0.067	0.067	568.299	0.030	0.004
Cranes	175	0.253	3.356	0.916	0.006	0.042	0.042	568.299	0.022	0.004
Cranes	250	0.224	1.147	0.748	0.006	0.024	0.024	568.299	0.020	0.004
Cranes	500	0.222	1.090	0.697	0.005	0.023	0.023	568.299	0.020	0.004
Cranes	750	0.222	1.090	0.709	0.005	0.024	0.024	568.300	0.020	0.004
Cranes	9999	0.245	1.108	2.800	0.005	0.043	0.043	568.299	0.022	0.004
Crawler Tractors	50	0.833	5.605	3.808	0.007	0.116	0.116	568.299	0.075	0.005
Crawler Tractors	120	0.405	3.871	2.341	0.006	0.105	0.105	568.299	0.036	0.004
Crawler Tractors	175	0.296	3.397	1.266	0.006	0.065	0.065	568.299	0.026	0.004
Crawler Tractors	250	0.262	1.207	1.104	0.006	0.040	0.040	568.299	0.023	0.004

2034

2034		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.257	1.200	1.016	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	750	0.257	1.200	1.033	0.005	0.038	0.038	568.299	0.023	0.004
Crawler Tractors	1000	0.265	1.225	3.094	0.005	0.056	0.056	568.300	0.023	0.004
Crushing/Proc. Equipment	50	0.525	4.857	3.351	0.007	0.043	0.043	568.299	0.047	0.005
Crushing/Proc. Equipment	120	0.272	3.673	1.708	0.006	0.038	0.038	568.299	0.024	0.004
Crushing/Proc. Equipment	175	0.197	3.244	0.600	0.006	0.025	0.025	568.299	0.017	0.004
Crushing/Proc. Equipment	250	0.185	1.105	0.502	0.006	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	500	0.184	1.058	0.476	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	750	0.184	1.058	0.478	0.005	0.017	0.017	568.299	0.016	0.004
Crushing/Proc. Equipment	9999	0.196	1.059	2.590	0.005	0.032	0.032	568.299	0.017	0.004
Dumpers/Tenders	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.602	5.309	3.393	0.007	0.038	0.038	568.299	0.054	0.005
Excavators	120	0.301	3.806	1.676	0.006	0.034	0.034	568.299	0.027	0.004
Excavators	175	0.213	3.362	0.525	0.006	0.023	0.023	568.299	0.019	0.004
Excavators	250	0.203	1.145	0.452	0.006	0.016	0.016	568.299	0.018	0.004
Excavators	500	0.202	1.088	0.433	0.005	0.016	0.016	568.299	0.018	0.004
Excavators	750	0.202	1.088	0.437	0.005	0.016	0.016	568.299	0.018	0.004
Forklifts	50	0.565	5.272	3.330	0.007	0.023	0.023	568.299	0.051	0.005
Forklifts	120	0.283	3.799	1.555	0.006	0.021	0.021	568.299	0.025	0.004
Forklifts	175	0.199	3.360	0.391	0.006	0.015	0.015	568.299	0.018	0.004
Forklifts	250	0.195	1.144	0.341	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	500	0.195	1.088	0.341	0.005	0.012	0.012	568.299	0.017	0.004
Generator Sets	15	0.592	3.470	4.164	0.008	0.166	0.166	568.299	0.053	0.005
Generator Sets	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Generator Sets	50	0.315	3.640	3.107	0.007	0.038	0.038	568.299	0.028	0.005
Generator Sets	120	0.178	3.316	1.645	0.006	0.034	0.034	568.299	0.016	0.004
Generator Sets	175	0.130	2.929	0.601	0.006	0.023	0.023	568.299	0.011	0.004
Generator Sets	250	0.120	0.998	0.504	0.006	0.016	0.016	568.299	0.010	0.004
Generator Sets	500	0.119	0.978	0.476	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	750	0.119	0.978	0.482	0.005	0.015	0.015	568.299	0.010	0.004
Generator Sets	9999	0.128	0.979	2.483	0.005	0.029	0.029	568.299	0.011	0.004
Graders	50	0.648	5.239	3.530	0.007	0.065	0.065	568.299	0.058	0.005
Graders	120	0.323	3.775	1.903	0.006	0.058	0.058	568.299	0.029	0.004
Graders	175	0.237	3.326	0.815	0.006	0.038	0.038	568.300	0.021	0.004
Graders	250	0.216	1.148	0.684	0.006	0.024	0.024	568.299	0.019	0.004
Graders	500	0.214	1.097	0.647	0.005	0.023	0.023	568.299	0.019	0.004
Graders	750	0.214	1.097	0.654	0.005	0.023	0.023	568.299	0.019	0.004
Off-Highway Tractors	120	0.518	3.944	2.959	0.006	0.175	0.175	568.299	0.046	0.004
Off-Highway Tractors	175	0.373	3.435	1.916	0.006	0.104	0.104	568.299	0.033	0.004
Off-Highway Tractors	250	0.315	1.286	1.715	0.006	0.064	0.064	568.299	0.028	0.004
Off-Highway Tractors	750	0.304	1.351	1.590	0.005	0.060	0.060	568.299	0.027	0.004
Off-Highway Tractors	1000	0.318	1.409	3.569	0.005	0.078	0.078	568.300	0.028	0.004
Off-Highway Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Off-Highway Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004

2034

2034		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Off-Highway Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.429	4.390	3.190	0.007	0.030	0.030	568.299	0.038	0.005
Other Construction Equipment	120	0.225	3.538	1.576	0.006	0.027	0.027	568.300	0.020	0.004
Other Construction Equipment	175	0.161	3.127	0.459	0.006	0.019	0.019	568.299	0.014	0.004
Other Construction Equipment	500	0.154	1.028	0.391	0.005	0.014	0.014	568.300	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.609	5.299	3.460	0.007	0.048	0.048	568.299	0.054	0.005
Other General Industrial Equipment	120	0.309	3.802	1.766	0.006	0.043	0.043	568.299	0.027	0.004
Other General Industrial Equipment	175	0.223	3.357	0.641	0.006	0.028	0.028	568.299	0.020	0.004
Other General Industrial Equipment	250	0.209	1.143	0.536	0.006	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	500	0.208	1.087	0.506	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	750	0.208	1.087	0.512	0.005	0.018	0.018	568.299	0.018	0.004
Other General Industrial Equipment	1000	0.212	1.088	2.660	0.005	0.035	0.035	568.299	0.019	0.004
Other Material Handling Equipment	50	0.598	5.237	3.447	0.007	0.048	0.048	568.299	0.053	0.005
Other Material Handling Equipment	120	0.304	3.784	1.762	0.006	0.043	0.043	568.299	0.027	0.004
Other Material Handling Equipment	175	0.220	3.341	0.640	0.006	0.028	0.028	568.299	0.019	0.004
Other Material Handling Equipment	250	0.206	1.138	0.535	0.006	0.018	0.018	568.299	0.018	0.004
Other Material Handling Equipment	500	0.205	1.083	0.505	0.005	0.018	0.018	568.299	0.018	0.004

2034

2034		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.218	1.084	2.653	0.005	0.035	0.035	568.299	0.019	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.845	5.396	3.841	0.007	0.134	0.134	568.299	0.076	0.005
Pavers	120	0.408	3.800	2.468	0.006	0.121	0.121	568.300	0.036	0.004
Pavers	175	0.300	3.326	1.425	0.006	0.074	0.074	568.299	0.027	0.004
Pavers	250	0.259	1.192	1.246	0.006	0.045	0.045	568.299	0.023	0.004
Pavers	500	0.253	1.181	1.141	0.005	0.043	0.043	568.299	0.022	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.802	5.309	3.809	0.007	0.126	0.126	568.299	0.072	0.005
Paving Equipment	120	0.390	3.774	2.393	0.006	0.114	0.114	568.300	0.035	0.004
Paving Equipment	175	0.290	3.306	1.363	0.006	0.070	0.070	568.299	0.026	0.004
Paving Equipment	250	0.250	1.171	1.176	0.006	0.042	0.042	568.299	0.022	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.592	3.470	4.164	0.008	0.166	0.166	568.300	0.053	0.005
Pressure Washers	25	0.686	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Pressure Washers	50	0.215	3.124	2.989	0.007	0.030	0.030	568.299	0.019	0.005
Pressure Washers	120	0.134	3.167	1.594	0.006	0.028	0.028	568.300	0.012	0.004
Pressure Washers	175	0.126	2.907	0.619	0.006	0.024	0.024	568.299	0.011	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Pumps	25	0.687	2.340	4.347	0.007	0.165	0.165	568.300	0.061	0.005
Pumps	50	0.348	3.814	3.146	0.007	0.040	0.040	568.299	0.031	0.005
Pumps	120	0.193	3.367	1.662	0.006	0.036	0.036	568.299	0.017	0.004
Pumps	175	0.142	2.973	0.610	0.006	0.024	0.024	568.299	0.012	0.004
Pumps	250	0.130	1.013	0.511	0.006	0.016	0.016	568.299	0.011	0.004
Pumps	500	0.129	0.989	0.482	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	750	0.129	0.989	0.488	0.005	0.016	0.016	568.299	0.011	0.004
Pumps	9999	0.139	0.990	2.504	0.005	0.030	0.030	568.299	0.012	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.587	4.784	3.480	0.007	0.073	0.073	568.299	0.053	0.005
Rollers	120	0.299	3.639	1.950	0.006	0.066	0.066	568.299	0.027	0.004
Rollers	175	0.223	3.203	0.907	0.006	0.042	0.042	568.299	0.020	0.004
Rollers	250	0.195	1.099	0.745	0.006	0.024	0.024	568.299	0.017	0.004
Rollers	500	0.193	1.056	0.697	0.005	0.023	0.023	568.299	0.017	0.004
Rough Terrain Forklifts	50	0.548	5.031	3.359	0.007	0.039	0.039	568.299	0.049	0.005
Rough Terrain Forklifts	120	0.279	3.725	1.671	0.006	0.034	0.034	568.299	0.025	0.004
Rough Terrain Forklifts	175	0.200	3.291	0.537	0.006	0.023	0.023	568.299	0.018	0.004
Rough Terrain Forklifts	250	0.191	1.121	0.463	0.006	0.016	0.016	568.299	0.017	0.004
Rough Terrain Forklifts	500	0.190	1.070	0.443	0.005	0.016	0.016	568.300	0.017	0.004
Rubber Tired Dozers	175	0.398	3.496	2.034	0.006	0.111	0.111	568.299	0.035	0.004
Rubber Tired Dozers	250	0.335	1.322	1.828	0.006	0.069	0.069	568.299	0.030	0.004
Rubber Tired Dozers	500	0.322	1.401	1.658	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	750	0.323	1.401	1.694	0.005	0.064	0.064	568.299	0.029	0.004
Rubber Tired Dozers	1000	0.338	1.465	3.676	0.005	0.082	0.082	568.299	0.030	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005

2034

2034		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.634	5.181	3.500	0.007	0.062	0.062	568.300	0.057	0.005
Rubber Tired Loaders	120	0.317	3.759	1.875	0.006	0.056	0.056	568.299	0.028	0.004
Rubber Tired Loaders	175	0.232	3.312	0.787	0.006	0.036	0.036	568.299	0.020	0.004
Rubber Tired Loaders	250	0.210	1.138	0.655	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	500	0.208	1.085	0.619	0.005	0.021	0.021	568.299	0.018	0.004
Rubber Tired Loaders	750	0.208	1.085	0.627	0.005	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	1000	0.214	1.099	2.722	0.005	0.039	0.039	568.299	0.019	0.004
Scrapers	120	0.410	3.866	2.384	0.006	0.111	0.111	568.299	0.037	0.004
Scrapers	175	0.301	3.389	1.320	0.006	0.068	0.068	568.299	0.027	0.004
Scrapers	250	0.264	1.206	1.149	0.006	0.042	0.042	568.299	0.023	0.004
Scrapers	500	0.259	1.184	1.057	0.005	0.040	0.040	568.299	0.023	0.004
Scrapers	750	0.259	1.184	1.075	0.005	0.040	0.040	568.299	0.023	0.004
Signal Boards	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.393	4.099	3.193	0.007	0.040	0.040	568.299	0.035	0.005
Signal Boards	120	0.213	3.451	1.657	0.006	0.035	0.035	568.300	0.019	0.004
Signal Boards	175	0.157	3.048	0.586	0.006	0.024	0.024	568.299	0.014	0.004
Signal Boards	250	0.176	1.255	0.594	0.007	0.019	0.019	686.695	0.015	0.004
Skid Steer Loaders	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.386	3.128	0.007	0.018	0.018	568.299	0.037	0.005
Skid Steer Loaders	120	0.214	3.538	1.477	0.006	0.017	0.017	568.299	0.019	0.004
Surfacing Equipment	50	0.518	4.295	3.400	0.007	0.075	0.075	568.299	0.046	0.005
Surfacing Equipment	120	0.264	3.492	1.959	0.006	0.068	0.068	568.299	0.023	0.004
Surfacing Equipment	175	0.197	3.071	0.939	0.006	0.043	0.043	568.299	0.017	0.004
Surfacing Equipment	250	0.172	1.064	0.789	0.006	0.026	0.026	568.299	0.015	0.004
Surfacing Equipment	500	0.169	1.032	0.738	0.005	0.025	0.025	568.299	0.015	0.004
Surfacing Equipment	750	0.169	1.032	0.749	0.005	0.025	0.025	568.299	0.015	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.509	4.947	3.294	0.007	0.026	0.026	568.299	0.046	0.005
Sweepers/Scrubbers	120	0.261	3.703	1.569	0.006	0.023	0.023	568.299	0.023	0.004
Sweepers/Scrubbers	175	0.187	3.275	0.431	0.006	0.017	0.017	568.299	0.016	0.004
Sweepers/Scrubbers	250	0.182	1.116	0.370	0.006	0.013	0.013	568.299	0.016	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.539	4.966	3.299	0.007	0.033	0.033	568.299	0.048	0.005
Tractors/Loaders/Backhoes	120	0.272	3.705	1.624	0.006	0.030	0.030	568.299	0.024	0.004
Tractors/Loaders/Backhoes	175	0.193	3.273	0.485	0.006	0.020	0.020	568.299	0.017	0.004
Tractors/Loaders/Backhoes	250	0.183	1.115	0.418	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.182	1.066	0.403	0.006	0.014	0.014	568.299	0.016	0.004
Tractors/Loaders/Backhoes	750	0.182	1.066	0.407	0.006	0.014	0.014	568.299	0.016	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005

2034

2034		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.851	5.208	3.835	0.007	0.144	0.144	568.299	0.076	0.005
Trenchers	120	0.409	3.743	2.559	0.006	0.132	0.132	568.299	0.036	0.004
Trenchers	175	0.300	3.273	1.529	0.006	0.080	0.080	568.300	0.027	0.004
Trenchers	250	0.256	1.188	1.348	0.006	0.049	0.049	568.300	0.023	0.004
Trenchers	500	0.249	1.209	1.231	0.005	0.046	0.046	568.299	0.022	0.004
Trenchers	750	0.249	1.209	1.254	0.005	0.047	0.047	568.299	0.022	0.004
Welders	15	0.663	3.470	4.164	0.008	0.166	0.166	568.299	0.059	0.005
Welders	25	0.687	2.340	4.347	0.007	0.165	0.165	568.299	0.061	0.005
Welders	50	0.449	4.387	3.273	0.007	0.045	0.045	568.299	0.040	0.005
Welders	120	0.239	3.535	1.707	0.006	0.040	0.040	568.299	0.021	0.004
Welders	175	0.176	3.121	0.628	0.006	0.027	0.027	568.299	0.015	0.004
Welders	250	0.162	1.063	0.525	0.006	0.017	0.017	568.299	0.014	0.004
Welders	500	0.161	1.027	0.495	0.005	0.017	0.017	568.299	0.014	0.004
Water Trucks	175	0.229	3.425	0.563	0.006	0.025	0.025	568.299	0.020	0.004
Water Trucks	250	0.217	1.166	0.481	0.006	0.017	0.017	568.300	0.019	0.004
Water Trucks	500	0.216	1.104	0.458	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	750	0.217	1.104	0.463	0.005	0.017	0.017	568.299	0.019	0.004
Water Trucks	1000	0.220	1.107	2.651	0.005	0.033	0.033	568.300	0.019	0.004

2035

2035		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.297	3.726	3.017	0.007	0.019	0.019	568.299	0.026	0.005
Aerial Lifts	120	0.166	3.345	1.466	0.006	0.017	0.017	568.299	0.014	0.004
Aerial Lifts	500	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Aerial Lifts	750	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Air Compressors	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressors	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressors	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressors	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressors	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressors	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressors	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	1000	0.167	1.048	2.473	0.005	0.026	0.026	568.299	0.015	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.030	3.019	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.411	0.006	0.012	0.012	568.300	0.016	0.004
Bore/Drill Rigs	175	0.126	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.126	1.035	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.126	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Industrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Industrial Saws	175	0.143	3.075	0.374	0.006	0.014	0.014	568.299	0.012	0.004
Cranes	50	0.600	5.292	3.401	0.007	0.039	0.039	568.299	0.054	0.005
Cranes	120	0.300	3.801	1.676	0.006	0.036	0.036	568.300	0.027	0.004
Cranes	175	0.212	3.357	0.519	0.006	0.024	0.024	568.299	0.019	0.004
Cranes	250	0.203	1.143	0.463	0.006	0.016	0.016	568.299	0.018	0.004
Cranes	500	0.202	1.087	0.441	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	750	0.202	1.087	0.446	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	9999	0.209	1.089	2.618	0.005	0.031	0.031	568.299	0.018	0.004
Crawler Tractors	50	0.708	5.493	3.558	0.007	0.066	0.066	568.299	0.063	0.005
Crawler Tractors	120	0.345	3.850	1.922	0.006	0.060	0.060	568.299	0.031	0.004
Crawler Tractors	175	0.247	3.391	0.794	0.006	0.038	0.038	568.299	0.022	0.004
Crawler Tractors	250	0.229	1.182	0.695	0.006	0.026	0.026	568.299	0.020	0.004

2035

2035		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.227	1.145	0.657	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	750	0.227	1.145	0.664	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	1000	0.231	1.159	2.792	0.005	0.041	0.041	568.299	0.020	0.004
Crushing/Proc. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Proc. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Proc. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Proc. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Proc. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.572	5.287	3.323	0.007	0.024	0.024	568.299	0.051	0.005
Excavators	120	0.284	3.802	1.551	0.006	0.021	0.021	568.299	0.025	0.004
Excavators	175	0.197	3.363	0.365	0.006	0.015	0.015	568.299	0.017	0.004
Excavators	250	0.195	1.145	0.342	0.006	0.013	0.013	568.300	0.017	0.004
Excavators	500	0.195	1.089	0.337	0.005	0.013	0.013	568.299	0.017	0.004
Excavators	750	0.195	1.088	0.338	0.005	0.013	0.013	568.299	0.017	0.004
Forklifts	50	0.558	5.234	3.268	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.275	3.787	1.495	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.350	0.299	0.006	0.012	0.012	568.300	0.017	0.004
Forklifts	250	0.188	1.141	0.290	0.006	0.011	0.011	568.300	0.017	0.004
Forklifts	500	0.188	1.085	0.290	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.470	4.143	0.008	0.162	0.162	568.299	0.053	0.005
Generator Sets	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Generator Sets	50	0.276	3.607	2.991	0.007	0.018	0.018	568.299	0.024	0.005
Generator Sets	120	0.156	3.310	1.458	0.006	0.016	0.016	568.299	0.014	0.004
Generator Sets	175	0.113	2.929	0.373	0.006	0.013	0.013	568.299	0.010	0.004
Generator Sets	250	0.110	0.998	0.331	0.006	0.011	0.011	568.299	0.009	0.004
Generator Sets	500	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	750	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	9999	0.114	0.978	2.362	0.005	0.022	0.022	568.299	0.010	0.004
Graders	50	0.593	5.189	3.356	0.007	0.037	0.037	568.299	0.053	0.005
Graders	120	0.293	3.767	1.661	0.006	0.034	0.034	568.299	0.026	0.004
Graders	175	0.206	3.326	0.506	0.006	0.022	0.022	568.300	0.018	0.004
Graders	250	0.196	1.137	0.452	0.006	0.016	0.016	568.299	0.017	0.004
Graders	500	0.195	1.083	0.434	0.005	0.016	0.016	568.299	0.017	0.004
Graders	750	0.195	1.083	0.438	0.005	0.016	0.016	568.299	0.017	0.004
Off-Highway Tractors	120	0.418	3.902	2.350	0.006	0.107	0.107	568.299	0.037	0.004
Off-Highway Tractors	175	0.301	3.421	1.252	0.006	0.065	0.065	568.299	0.027	0.004
Off-Highway Tractors	250	0.268	1.232	1.115	0.006	0.042	0.042	568.299	0.024	0.004
Off-Highway Tractors	750	0.262	1.238	1.045	0.005	0.040	0.040	568.299	0.023	0.004
Off-Highway Tractors	1000	0.269	1.268	3.116	0.005	0.056	0.056	568.299	0.024	0.004
Off-Highway Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Off-Highway Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004

2035

2035		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.410	4.377	3.124	0.007	0.018	0.018	568.299	0.037	0.005
Other Construction Equipment	120	0.213	3.536	1.474	0.006	0.017	0.017	568.299	0.019	0.004
Other Construction Equipment	175	0.150	3.128	0.334	0.006	0.013	0.013	568.299	0.013	0.004
Other Construction Equipment	500	0.147	1.029	0.311	0.005	0.011	0.011	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.564	5.255	3.334	0.007	0.025	0.025	568.299	0.050	0.005
Other General Industrial Equipment	120	0.282	3.794	1.567	0.006	0.022	0.022	568.300	0.025	0.004
Other General Industrial Equipment	175	0.199	3.355	0.399	0.006	0.016	0.016	568.300	0.018	0.004
Other General Industrial Equipment	250	0.195	1.143	0.355	0.006	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	500	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	750	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	1000	0.196	1.087	2.532	0.005	0.028	0.028	568.299	0.017	0.004
Other Material Handling Equipment	50	0.552	5.189	3.321	0.007	0.025	0.025	568.299	0.049	0.005
Other Material Handling Equipment	120	0.277	3.774	1.563	0.006	0.022	0.022	568.299	0.025	0.004
Other Material Handling Equipment	175	0.196	3.338	0.398	0.006	0.016	0.016	568.299	0.017	0.004
Other Material Handling Equipment	250	0.192	1.137	0.354	0.006	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	500	0.192	1.082	0.350	0.005	0.013	0.013	568.299	0.017	0.004

2035

2035		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.197	1.082	2.525	0.005	0.027	0.027	568.299	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.694	5.260	3.555	0.007	0.076	0.076	568.299	0.062	0.005
Pavers	120	0.338	3.774	1.986	0.006	0.069	0.069	568.299	0.030	0.004
Pavers	175	0.244	3.319	0.889	0.006	0.043	0.043	568.299	0.022	0.004
Pavers	250	0.221	1.157	0.772	0.006	0.027	0.027	568.300	0.019	0.004
Pavers	500	0.218	1.111	0.722	0.005	0.026	0.026	568.299	0.019	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.664	5.181	3.511	0.007	0.070	0.070	568.300	0.059	0.005
Paving Equipment	120	0.326	3.753	1.928	0.006	0.064	0.064	568.299	0.029	0.004
Paving Equipment	175	0.235	3.303	0.832	0.006	0.040	0.040	568.299	0.021	0.004
Paving Equipment	250	0.212	1.140	0.714	0.006	0.024	0.024	568.299	0.019	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.470	4.143	0.008	0.162	0.162	568.300	0.053	0.005
Pressure Washers	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pressure Washers	50	0.188	3.101	2.882	0.007	0.015	0.015	568.299	0.016	0.005
Pressure Washers	120	0.116	3.161	1.421	0.006	0.014	0.014	568.299	0.010	0.004
Pressure Washers	175	0.109	2.907	0.382	0.006	0.013	0.013	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Pumps	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pumps	50	0.306	3.778	3.028	0.007	0.019	0.019	568.299	0.027	0.005
Pumps	120	0.170	3.360	1.470	0.006	0.017	0.017	568.299	0.015	0.004
Pumps	175	0.123	2.973	0.377	0.006	0.014	0.014	568.299	0.011	0.004
Pumps	250	0.119	1.012	0.335	0.006	0.011	0.011	568.299	0.010	0.004
Pumps	500	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	750	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	9999	0.124	0.989	2.380	0.005	0.023	0.023	568.299	0.011	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Rollers	50	0.507	4.711	3.280	0.007	0.038	0.038	568.299	0.045	0.005
Rollers	120	0.258	3.629	1.650	0.006	0.035	0.035	568.299	0.023	0.004
Rollers	175	0.184	3.204	0.523	0.006	0.023	0.023	568.299	0.016	0.004
Rollers	250	0.173	1.091	0.465	0.006	0.016	0.016	568.299	0.015	0.004
Rollers	500	0.172	1.048	0.442	0.005	0.016	0.016	568.300	0.015	0.004
Rough Terrain Forklifts	50	0.521	5.011	3.267	0.007	0.022	0.022	568.299	0.047	0.005
Rough Terrain Forklifts	120	0.262	3.722	1.530	0.006	0.020	0.020	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.184	3.292	0.364	0.006	0.015	0.015	568.299	0.016	0.004
Rough Terrain Forklifts	250	0.181	1.121	0.334	0.006	0.012	0.012	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.181	1.071	0.331	0.005	0.012	0.012	568.300	0.016	0.004
Rubber Tired Dozers	175	0.322	3.481	1.345	0.006	0.071	0.071	568.299	0.029	0.004
Rubber Tired Dozers	250	0.286	1.262	1.203	0.006	0.046	0.046	568.299	0.025	0.004
Rubber Tired Dozers	500	0.279	1.279	1.107	0.005	0.043	0.043	568.300	0.025	0.004
Rubber Tired Dozers	750	0.279	1.279	1.126	0.005	0.043	0.043	568.299	0.025	0.004
Rubber Tired Dozers	1000	0.287	1.312	3.204	0.005	0.060	0.060	568.299	0.025	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005

2035

2035		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.575	5.126	3.337	0.007	0.035	0.035	568.299	0.051	0.005
Rubber Tired Loaders	120	0.286	3.751	1.639	0.006	0.033	0.033	568.299	0.025	0.004
Rubber Tired Loaders	175	0.200	3.312	0.481	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	250	0.191	1.129	0.434	0.006	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	500	0.191	1.076	0.416	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	750	0.191	1.076	0.421	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	1000	0.193	1.082	2.584	0.005	0.030	0.030	568.299	0.017	0.004
Scrapers	120	0.348	3.842	1.943	0.006	0.064	0.064	568.299	0.031	0.004
Scrapers	175	0.250	3.382	0.824	0.006	0.040	0.040	568.299	0.022	0.004
Scrapers	250	0.229	1.175	0.717	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	500	0.226	1.123	0.674	0.005	0.025	0.025	568.300	0.020	0.004
Scrapers	750	0.226	1.123	0.682	0.005	0.025	0.025	568.299	0.020	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.067	3.082	0.007	0.020	0.020	568.299	0.032	0.005
Signal Boards	120	0.192	3.445	1.482	0.006	0.018	0.018	568.299	0.017	0.004
Signal Boards	175	0.138	3.048	0.372	0.006	0.014	0.014	568.299	0.012	0.004
Signal Boards	250	0.162	1.254	0.401	0.007	0.014	0.014	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.390	3.097	0.007	0.015	0.015	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.442	0.006	0.014	0.014	568.299	0.019	0.004
Surfacing Equipment	50	0.439	4.221	3.193	0.007	0.041	0.041	568.299	0.039	0.005
Surfacing Equipment	120	0.226	3.482	1.659	0.006	0.038	0.038	568.299	0.020	0.004
Surfacing Equipment	175	0.162	3.072	0.567	0.006	0.025	0.025	568.299	0.014	0.004
Surfacing Equipment	250	0.149	1.050	0.497	0.006	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	500	0.148	1.018	0.471	0.005	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	750	0.148	1.018	0.477	0.005	0.016	0.016	568.300	0.013	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Sweepers/Scrubbers	50	0.505	4.929	3.214	0.007	0.017	0.017	568.299	0.045	0.005
Sweepers/Scrubbers	120	0.253	3.698	1.486	0.006	0.016	0.016	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.175	3.271	0.313	0.006	0.012	0.012	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.173	1.114	0.294	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.515	4.949	3.244	0.007	0.022	0.022	568.299	0.046	0.005
Tractors/Loaders/Backhoes	120	0.258	3.703	1.521	0.006	0.020	0.020	568.299	0.023	0.004
Tractors/Loaders/Backhoes	175	0.179	3.275	0.348	0.006	0.015	0.015	568.299	0.016	0.004
Tractors/Loaders/Backhoes	250	0.177	1.115	0.331	0.006	0.012	0.012	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.177	1.066	0.326	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.177	1.066	0.327	0.006	0.012	0.012	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005

2035

2035		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.681	5.055	3.548	0.007	0.084	0.084	568.299	0.061	0.005
Trenchers	120	0.332	3.713	2.049	0.006	0.076	0.076	568.300	0.030	0.004
Trenchers	175	0.241	3.264	0.966	0.006	0.048	0.048	568.299	0.021	0.004
Trenchers	250	0.216	1.149	0.847	0.006	0.031	0.031	568.299	0.019	0.004
Trenchers	500	0.213	1.126	0.790	0.005	0.029	0.029	568.299	0.019	0.004
Trenchers	750	0.213	1.126	0.801	0.005	0.029	0.029	568.300	0.019	0.004
Welders	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Welders	50	0.406	4.349	3.147	0.007	0.022	0.022	568.299	0.036	0.005
Welders	120	0.214	3.528	1.509	0.006	0.019	0.019	568.299	0.019	0.004
Welders	175	0.153	3.121	0.387	0.006	0.015	0.015	568.299	0.013	0.004
Welders	250	0.149	1.063	0.343	0.006	0.012	0.012	568.299	0.013	0.004
Welders	500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004
Water Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Water Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004

2036

2036		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.297	3.726	3.017	0.007	0.019	0.019	568.299	0.026	0.005
Aerial Lifts	120	0.166	3.345	1.466	0.006	0.017	0.017	568.299	0.014	0.004
Aerial Lifts	500	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Aerial Lifts	750	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Air Compressors	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressors	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressors	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressors	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressors	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressors	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressors	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	1000	0.167	1.048	2.473	0.005	0.026	0.026	568.299	0.015	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.030	3.019	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.411	0.006	0.012	0.012	568.300	0.016	0.004
Bore/Drill Rigs	175	0.126	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.126	1.035	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.126	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Industrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Industrial Saws	175	0.143	3.075	0.374	0.006	0.014	0.014	568.299	0.012	0.004
Cranes	50	0.600	5.292	3.401	0.007	0.039	0.039	568.299	0.054	0.005
Cranes	120	0.300	3.801	1.676	0.006	0.036	0.036	568.300	0.027	0.004
Cranes	175	0.212	3.357	0.519	0.006	0.024	0.024	568.299	0.019	0.004
Cranes	250	0.203	1.143	0.463	0.006	0.016	0.016	568.299	0.018	0.004
Cranes	500	0.202	1.087	0.441	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	750	0.202	1.087	0.446	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	9999	0.209	1.089	2.618	0.005	0.031	0.031	568.299	0.018	0.004
Crawler Tractors	50	0.708	5.493	3.558	0.007	0.066	0.066	568.299	0.063	0.005
Crawler Tractors	120	0.345	3.850	1.922	0.006	0.060	0.060	568.299	0.031	0.004
Crawler Tractors	175	0.247	3.391	0.794	0.006	0.038	0.038	568.299	0.022	0.004
Crawler Tractors	250	0.229	1.182	0.695	0.006	0.026	0.026	568.299	0.020	0.004

2036

2036		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.227	1.145	0.657	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	750	0.227	1.145	0.664	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	1000	0.231	1.159	2.792	0.005	0.041	0.041	568.299	0.020	0.004
Crushing/Proc. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Proc. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Proc. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Proc. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Proc. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.572	5.287	3.323	0.007	0.024	0.024	568.299	0.051	0.005
Excavators	120	0.284	3.802	1.551	0.006	0.021	0.021	568.299	0.025	0.004
Excavators	175	0.197	3.363	0.365	0.006	0.015	0.015	568.299	0.017	0.004
Excavators	250	0.195	1.145	0.342	0.006	0.013	0.013	568.300	0.017	0.004
Excavators	500	0.195	1.089	0.337	0.005	0.013	0.013	568.299	0.017	0.004
Excavators	750	0.195	1.088	0.338	0.005	0.013	0.013	568.299	0.017	0.004
Forklifts	50	0.558	5.234	3.268	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.275	3.787	1.495	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.350	0.299	0.006	0.012	0.012	568.300	0.017	0.004
Forklifts	250	0.188	1.141	0.290	0.006	0.011	0.011	568.300	0.017	0.004
Forklifts	500	0.188	1.085	0.290	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.470	4.143	0.008	0.162	0.162	568.299	0.053	0.005
Generator Sets	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Generator Sets	50	0.276	3.607	2.991	0.007	0.018	0.018	568.299	0.024	0.005
Generator Sets	120	0.156	3.310	1.458	0.006	0.016	0.016	568.299	0.014	0.004
Generator Sets	175	0.113	2.929	0.373	0.006	0.013	0.013	568.299	0.010	0.004
Generator Sets	250	0.110	0.998	0.331	0.006	0.011	0.011	568.299	0.009	0.004
Generator Sets	500	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	750	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	9999	0.114	0.978	2.362	0.005	0.022	0.022	568.299	0.010	0.004
Graders	50	0.593	5.189	3.356	0.007	0.037	0.037	568.299	0.053	0.005
Graders	120	0.293	3.767	1.661	0.006	0.034	0.034	568.299	0.026	0.004
Graders	175	0.206	3.326	0.506	0.006	0.022	0.022	568.300	0.018	0.004
Graders	250	0.196	1.137	0.452	0.006	0.016	0.016	568.299	0.017	0.004
Graders	500	0.195	1.083	0.434	0.005	0.016	0.016	568.299	0.017	0.004
Graders	750	0.195	1.083	0.438	0.005	0.016	0.016	568.299	0.017	0.004
Off-Highway Tractors	120	0.418	3.902	2.350	0.006	0.107	0.107	568.299	0.037	0.004
Off-Highway Tractors	175	0.301	3.421	1.252	0.006	0.065	0.065	568.299	0.027	0.004
Off-Highway Tractors	250	0.268	1.232	1.115	0.006	0.042	0.042	568.299	0.024	0.004
Off-Highway Tractors	750	0.262	1.238	1.045	0.005	0.040	0.040	568.299	0.023	0.004
Off-Highway Tractors	1000	0.269	1.268	3.116	0.005	0.056	0.056	568.299	0.024	0.004
Off-Highway Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Off-Highway Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004

2036

2036		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.410	4.377	3.124	0.007	0.018	0.018	568.299	0.037	0.005
Other Construction Equipment	120	0.213	3.536	1.474	0.006	0.017	0.017	568.299	0.019	0.004
Other Construction Equipment	175	0.150	3.128	0.334	0.006	0.013	0.013	568.299	0.013	0.004
Other Construction Equipment	500	0.147	1.029	0.311	0.005	0.011	0.011	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.564	5.255	3.334	0.007	0.025	0.025	568.299	0.050	0.005
Other General Industrial Equipment	120	0.282	3.794	1.567	0.006	0.022	0.022	568.300	0.025	0.004
Other General Industrial Equipment	175	0.199	3.355	0.399	0.006	0.016	0.016	568.300	0.018	0.004
Other General Industrial Equipment	250	0.195	1.143	0.355	0.006	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	500	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	750	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	1000	0.196	1.087	2.532	0.005	0.028	0.028	568.299	0.017	0.004
Other Material Handling Equipment	50	0.552	5.189	3.321	0.007	0.025	0.025	568.299	0.049	0.005
Other Material Handling Equipment	120	0.277	3.774	1.563	0.006	0.022	0.022	568.299	0.025	0.004
Other Material Handling Equipment	175	0.196	3.338	0.398	0.006	0.016	0.016	568.299	0.017	0.004
Other Material Handling Equipment	250	0.192	1.137	0.354	0.006	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	500	0.192	1.082	0.350	0.005	0.013	0.013	568.299	0.017	0.004

2036

2036		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.197	1.082	2.525	0.005	0.027	0.027	568.299	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.694	5.260	3.555	0.007	0.076	0.076	568.299	0.062	0.005
Pavers	120	0.338	3.774	1.986	0.006	0.069	0.069	568.299	0.030	0.004
Pavers	175	0.244	3.319	0.889	0.006	0.043	0.043	568.299	0.022	0.004
Pavers	250	0.221	1.157	0.772	0.006	0.027	0.027	568.300	0.019	0.004
Pavers	500	0.218	1.111	0.722	0.005	0.026	0.026	568.299	0.019	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.664	5.181	3.511	0.007	0.070	0.070	568.300	0.059	0.005
Paving Equipment	120	0.326	3.753	1.928	0.006	0.064	0.064	568.299	0.029	0.004
Paving Equipment	175	0.235	3.303	0.832	0.006	0.040	0.040	568.299	0.021	0.004
Paving Equipment	250	0.212	1.140	0.714	0.006	0.024	0.024	568.299	0.019	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.470	4.143	0.008	0.162	0.162	568.300	0.053	0.005
Pressure Washers	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pressure Washers	50	0.188	3.101	2.882	0.007	0.015	0.015	568.299	0.016	0.005
Pressure Washers	120	0.116	3.161	1.421	0.006	0.014	0.014	568.299	0.010	0.004
Pressure Washers	175	0.109	2.907	0.382	0.006	0.013	0.013	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Pumps	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pumps	50	0.306	3.778	3.028	0.007	0.019	0.019	568.299	0.027	0.005
Pumps	120	0.170	3.360	1.470	0.006	0.017	0.017	568.299	0.015	0.004
Pumps	175	0.123	2.973	0.377	0.006	0.014	0.014	568.299	0.011	0.004
Pumps	250	0.119	1.012	0.335	0.006	0.011	0.011	568.299	0.010	0.004
Pumps	500	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	750	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	9999	0.124	0.989	2.380	0.005	0.023	0.023	568.299	0.011	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Rollers	50	0.507	4.711	3.280	0.007	0.038	0.038	568.299	0.045	0.005
Rollers	120	0.258	3.629	1.650	0.006	0.035	0.035	568.299	0.023	0.004
Rollers	175	0.184	3.204	0.523	0.006	0.023	0.023	568.299	0.016	0.004
Rollers	250	0.173	1.091	0.465	0.006	0.016	0.016	568.299	0.015	0.004
Rollers	500	0.172	1.048	0.442	0.005	0.016	0.016	568.300	0.015	0.004
Rough Terrain Forklifts	50	0.521	5.011	3.267	0.007	0.022	0.022	568.299	0.047	0.005
Rough Terrain Forklifts	120	0.262	3.722	1.530	0.006	0.020	0.020	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.184	3.292	0.364	0.006	0.015	0.015	568.299	0.016	0.004
Rough Terrain Forklifts	250	0.181	1.121	0.334	0.006	0.012	0.012	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.181	1.071	0.331	0.005	0.012	0.012	568.300	0.016	0.004
Rubber Tired Dozers	175	0.322	3.481	1.345	0.006	0.071	0.071	568.299	0.029	0.004
Rubber Tired Dozers	250	0.286	1.262	1.203	0.006	0.046	0.046	568.299	0.025	0.004
Rubber Tired Dozers	500	0.279	1.279	1.107	0.005	0.043	0.043	568.300	0.025	0.004
Rubber Tired Dozers	750	0.279	1.279	1.126	0.005	0.043	0.043	568.299	0.025	0.004
Rubber Tired Dozers	1000	0.287	1.312	3.204	0.005	0.060	0.060	568.299	0.025	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005

2036

2036		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.575	5.126	3.337	0.007	0.035	0.035	568.299	0.051	0.005
Rubber Tired Loaders	120	0.286	3.751	1.639	0.006	0.033	0.033	568.299	0.025	0.004
Rubber Tired Loaders	175	0.200	3.312	0.481	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	250	0.191	1.129	0.434	0.006	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	500	0.191	1.076	0.416	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	750	0.191	1.076	0.421	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	1000	0.193	1.082	2.584	0.005	0.030	0.030	568.299	0.017	0.004
Scrapers	120	0.348	3.842	1.943	0.006	0.064	0.064	568.299	0.031	0.004
Scrapers	175	0.250	3.382	0.824	0.006	0.040	0.040	568.299	0.022	0.004
Scrapers	250	0.229	1.175	0.717	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	500	0.226	1.123	0.674	0.005	0.025	0.025	568.300	0.020	0.004
Scrapers	750	0.226	1.123	0.682	0.005	0.025	0.025	568.299	0.020	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.067	3.082	0.007	0.020	0.020	568.299	0.032	0.005
Signal Boards	120	0.192	3.445	1.482	0.006	0.018	0.018	568.299	0.017	0.004
Signal Boards	175	0.138	3.048	0.372	0.006	0.014	0.014	568.299	0.012	0.004
Signal Boards	250	0.162	1.254	0.401	0.007	0.014	0.014	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.390	3.097	0.007	0.015	0.015	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.442	0.006	0.014	0.014	568.299	0.019	0.004
Surfacing Equipment	50	0.439	4.221	3.193	0.007	0.041	0.041	568.299	0.039	0.005
Surfacing Equipment	120	0.226	3.482	1.659	0.006	0.038	0.038	568.299	0.020	0.004
Surfacing Equipment	175	0.162	3.072	0.567	0.006	0.025	0.025	568.299	0.014	0.004
Surfacing Equipment	250	0.149	1.050	0.497	0.006	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	500	0.148	1.018	0.471	0.005	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	750	0.148	1.018	0.477	0.005	0.016	0.016	568.300	0.013	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Sweepers/Scrubbers	50	0.505	4.929	3.214	0.007	0.017	0.017	568.299	0.045	0.005
Sweepers/Scrubbers	120	0.253	3.698	1.486	0.006	0.016	0.016	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.175	3.271	0.313	0.006	0.012	0.012	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.173	1.114	0.294	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.515	4.949	3.244	0.007	0.022	0.022	568.299	0.046	0.005
Tractors/Loaders/Backhoes	120	0.258	3.703	1.521	0.006	0.020	0.020	568.299	0.023	0.004
Tractors/Loaders/Backhoes	175	0.179	3.275	0.348	0.006	0.015	0.015	568.299	0.016	0.004
Tractors/Loaders/Backhoes	250	0.177	1.115	0.331	0.006	0.012	0.012	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.177	1.066	0.326	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.177	1.066	0.327	0.006	0.012	0.012	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005

2036

2036		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.681	5.055	3.548	0.007	0.084	0.084	568.299	0.061	0.005
Trenchers	120	0.332	3.713	2.049	0.006	0.076	0.076	568.300	0.030	0.004
Trenchers	175	0.241	3.264	0.966	0.006	0.048	0.048	568.299	0.021	0.004
Trenchers	250	0.216	1.149	0.847	0.006	0.031	0.031	568.299	0.019	0.004
Trenchers	500	0.213	1.126	0.790	0.005	0.029	0.029	568.299	0.019	0.004
Trenchers	750	0.213	1.126	0.801	0.005	0.029	0.029	568.300	0.019	0.004
Welders	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Welders	50	0.406	4.349	3.147	0.007	0.022	0.022	568.299	0.036	0.005
Welders	120	0.214	3.528	1.509	0.006	0.019	0.019	568.299	0.019	0.004
Welders	175	0.153	3.121	0.387	0.006	0.015	0.015	568.299	0.013	0.004
Welders	250	0.149	1.063	0.343	0.006	0.012	0.012	568.299	0.013	0.004
Welders	500	0.149	1.027	0.339	0.005	0.012	0.012	568.299	0.013	0.004
Water Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Water Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004

2037

2037		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.297	3.726	3.017	0.007	0.019	0.019	568.299	0.026	0.005
Aerial Lifts	120	0.166	3.345	1.466	0.006	0.017	0.017	568.299	0.014	0.004
Aerial Lifts	500	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Aerial Lifts	750	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Air Compressors	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressors	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressors	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressors	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressors	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressors	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressors	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	1000	0.167	1.048	2.473	0.005	0.026	0.026	568.299	0.015	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.030	3.019	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.411	0.006	0.012	0.012	568.300	0.016	0.004
Bore/Drill Rigs	175	0.126	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.126	1.035	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.126	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Industrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Industrial Saws	175	0.143	3.075	0.374	0.006	0.014	0.014	568.299	0.012	0.004
Cranes	50	0.600	5.292	3.401	0.007	0.039	0.039	568.299	0.054	0.005
Cranes	120	0.300	3.801	1.676	0.006	0.036	0.036	568.300	0.027	0.004
Cranes	175	0.212	3.357	0.519	0.006	0.024	0.024	568.299	0.019	0.004
Cranes	250	0.203	1.143	0.463	0.006	0.016	0.016	568.299	0.018	0.004
Cranes	500	0.202	1.087	0.441	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	750	0.202	1.087	0.446	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	9999	0.209	1.089	2.618	0.005	0.031	0.031	568.299	0.018	0.004
Crawler Tractors	50	0.708	5.493	3.558	0.007	0.066	0.066	568.299	0.063	0.005
Crawler Tractors	120	0.345	3.850	1.922	0.006	0.060	0.060	568.299	0.031	0.004
Crawler Tractors	175	0.247	3.391	0.794	0.006	0.038	0.038	568.299	0.022	0.004
Crawler Tractors	250	0.229	1.182	0.695	0.006	0.026	0.026	568.299	0.020	0.004

2037

2037		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.227	1.145	0.657	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	750	0.227	1.145	0.664	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	1000	0.231	1.159	2.792	0.005	0.041	0.041	568.299	0.020	0.004
Crushing/Proc. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Proc. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Proc. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Proc. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Proc. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.572	5.287	3.323	0.007	0.024	0.024	568.299	0.051	0.005
Excavators	120	0.284	3.802	1.551	0.006	0.021	0.021	568.299	0.025	0.004
Excavators	175	0.197	3.363	0.365	0.006	0.015	0.015	568.299	0.017	0.004
Excavators	250	0.195	1.145	0.342	0.006	0.013	0.013	568.300	0.017	0.004
Excavators	500	0.195	1.089	0.337	0.005	0.013	0.013	568.299	0.017	0.004
Excavators	750	0.195	1.088	0.338	0.005	0.013	0.013	568.299	0.017	0.004
Forklifts	50	0.558	5.234	3.268	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.275	3.787	1.495	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.350	0.299	0.006	0.012	0.012	568.300	0.017	0.004
Forklifts	250	0.188	1.141	0.290	0.006	0.011	0.011	568.300	0.017	0.004
Forklifts	500	0.188	1.085	0.290	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.470	4.143	0.008	0.162	0.162	568.299	0.053	0.005
Generator Sets	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Generator Sets	50	0.276	3.607	2.991	0.007	0.018	0.018	568.299	0.024	0.005
Generator Sets	120	0.156	3.310	1.458	0.006	0.016	0.016	568.299	0.014	0.004
Generator Sets	175	0.113	2.929	0.373	0.006	0.013	0.013	568.299	0.010	0.004
Generator Sets	250	0.110	0.998	0.331	0.006	0.011	0.011	568.299	0.009	0.004
Generator Sets	500	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	750	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	9999	0.114	0.978	2.362	0.005	0.022	0.022	568.299	0.010	0.004
Graders	50	0.593	5.189	3.356	0.007	0.037	0.037	568.299	0.053	0.005
Graders	120	0.293	3.767	1.661	0.006	0.034	0.034	568.299	0.026	0.004
Graders	175	0.206	3.326	0.506	0.006	0.022	0.022	568.300	0.018	0.004
Graders	250	0.196	1.137	0.452	0.006	0.016	0.016	568.299	0.017	0.004
Graders	500	0.195	1.083	0.434	0.005	0.016	0.016	568.299	0.017	0.004
Graders	750	0.195	1.083	0.438	0.005	0.016	0.016	568.299	0.017	0.004
Off-Highway Tractors	120	0.418	3.902	2.350	0.006	0.107	0.107	568.299	0.037	0.004
Off-Highway Tractors	175	0.301	3.421	1.252	0.006	0.065	0.065	568.299	0.027	0.004
Off-Highway Tractors	250	0.268	1.232	1.115	0.006	0.042	0.042	568.299	0.024	0.004
Off-Highway Tractors	750	0.262	1.238	1.045	0.005	0.040	0.040	568.299	0.023	0.004
Off-Highway Tractors	1000	0.269	1.268	3.116	0.005	0.056	0.056	568.299	0.024	0.004
Off-Highway Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Off-Highway Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004

2037

2037		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.410	4.377	3.124	0.007	0.018	0.018	568.299	0.037	0.005
Other Construction Equipment	120	0.213	3.536	1.474	0.006	0.017	0.017	568.299	0.019	0.004
Other Construction Equipment	175	0.150	3.128	0.334	0.006	0.013	0.013	568.299	0.013	0.004
Other Construction Equipment	500	0.147	1.029	0.311	0.005	0.011	0.011	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.564	5.255	3.334	0.007	0.025	0.025	568.299	0.050	0.005
Other General Industrial Equipment	120	0.282	3.794	1.567	0.006	0.022	0.022	568.300	0.025	0.004
Other General Industrial Equipment	175	0.199	3.355	0.399	0.006	0.016	0.016	568.300	0.018	0.004
Other General Industrial Equipment	250	0.195	1.143	0.355	0.006	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	500	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	750	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	1000	0.196	1.087	2.532	0.005	0.028	0.028	568.299	0.017	0.004
Other Material Handling Equipment	50	0.552	5.189	3.321	0.007	0.025	0.025	568.299	0.049	0.005
Other Material Handling Equipment	120	0.277	3.774	1.563	0.006	0.022	0.022	568.299	0.025	0.004
Other Material Handling Equipment	175	0.196	3.338	0.398	0.006	0.016	0.016	568.299	0.017	0.004
Other Material Handling Equipment	250	0.192	1.137	0.354	0.006	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	500	0.192	1.082	0.350	0.005	0.013	0.013	568.299	0.017	0.004

2037

2037		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.197	1.082	2.525	0.005	0.027	0.027	568.299	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.694	5.260	3.555	0.007	0.076	0.076	568.299	0.062	0.005
Pavers	120	0.338	3.774	1.986	0.006	0.069	0.069	568.299	0.030	0.004
Pavers	175	0.244	3.319	0.889	0.006	0.043	0.043	568.299	0.022	0.004
Pavers	250	0.221	1.157	0.772	0.006	0.027	0.027	568.300	0.019	0.004
Pavers	500	0.218	1.111	0.722	0.005	0.026	0.026	568.299	0.019	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.664	5.181	3.511	0.007	0.070	0.070	568.300	0.059	0.005
Paving Equipment	120	0.326	3.753	1.928	0.006	0.064	0.064	568.299	0.029	0.004
Paving Equipment	175	0.235	3.303	0.832	0.006	0.040	0.040	568.299	0.021	0.004
Paving Equipment	250	0.212	1.140	0.714	0.006	0.024	0.024	568.299	0.019	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.470	4.143	0.008	0.162	0.162	568.300	0.053	0.005
Pressure Washers	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pressure Washers	50	0.188	3.101	2.882	0.007	0.015	0.015	568.299	0.016	0.005
Pressure Washers	120	0.116	3.161	1.421	0.006	0.014	0.014	568.299	0.010	0.004
Pressure Washers	175	0.109	2.907	0.382	0.006	0.013	0.013	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Pumps	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pumps	50	0.306	3.778	3.028	0.007	0.019	0.019	568.299	0.027	0.005
Pumps	120	0.170	3.360	1.470	0.006	0.017	0.017	568.299	0.015	0.004
Pumps	175	0.123	2.973	0.377	0.006	0.014	0.014	568.299	0.011	0.004
Pumps	250	0.119	1.012	0.335	0.006	0.011	0.011	568.299	0.010	0.004
Pumps	500	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	750	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	9999	0.124	0.989	2.380	0.005	0.023	0.023	568.299	0.011	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Rollers	50	0.507	4.711	3.280	0.007	0.038	0.038	568.299	0.045	0.005
Rollers	120	0.258	3.629	1.650	0.006	0.035	0.035	568.299	0.023	0.004
Rollers	175	0.184	3.204	0.523	0.006	0.023	0.023	568.299	0.016	0.004
Rollers	250	0.173	1.091	0.465	0.006	0.016	0.016	568.299	0.015	0.004
Rollers	500	0.172	1.048	0.442	0.005	0.016	0.016	568.300	0.015	0.004
Rough Terrain Forklifts	50	0.521	5.011	3.267	0.007	0.022	0.022	568.299	0.047	0.005
Rough Terrain Forklifts	120	0.262	3.722	1.530	0.006	0.020	0.020	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.184	3.292	0.364	0.006	0.015	0.015	568.299	0.016	0.004
Rough Terrain Forklifts	250	0.181	1.121	0.334	0.006	0.012	0.012	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.181	1.071	0.331	0.005	0.012	0.012	568.300	0.016	0.004
Rubber Tired Dozers	175	0.322	3.481	1.345	0.006	0.071	0.071	568.299	0.029	0.004
Rubber Tired Dozers	250	0.286	1.262	1.203	0.006	0.046	0.046	568.299	0.025	0.004
Rubber Tired Dozers	500	0.279	1.279	1.107	0.005	0.043	0.043	568.300	0.025	0.004
Rubber Tired Dozers	750	0.279	1.279	1.126	0.005	0.043	0.043	568.299	0.025	0.004
Rubber Tired Dozers	1000	0.287	1.312	3.204	0.005	0.060	0.060	568.299	0.025	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005

2037

2037		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.575	5.126	3.337	0.007	0.035	0.035	568.299	0.051	0.005
Rubber Tired Loaders	120	0.286	3.751	1.639	0.006	0.033	0.033	568.299	0.025	0.004
Rubber Tired Loaders	175	0.200	3.312	0.481	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	250	0.191	1.129	0.434	0.006	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	500	0.191	1.076	0.416	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	750	0.191	1.076	0.421	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	1000	0.193	1.082	2.584	0.005	0.030	0.030	568.299	0.017	0.004
Scrapers	120	0.348	3.842	1.943	0.006	0.064	0.064	568.299	0.031	0.004
Scrapers	175	0.250	3.382	0.824	0.006	0.040	0.040	568.299	0.022	0.004
Scrapers	250	0.229	1.175	0.717	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	500	0.226	1.123	0.674	0.005	0.025	0.025	568.300	0.020	0.004
Scrapers	750	0.226	1.123	0.682	0.005	0.025	0.025	568.299	0.020	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.067	3.082	0.007	0.020	0.020	568.299	0.032	0.005
Signal Boards	120	0.192	3.445	1.482	0.006	0.018	0.018	568.299	0.017	0.004
Signal Boards	175	0.138	3.048	0.372	0.006	0.014	0.014	568.299	0.012	0.004
Signal Boards	250	0.162	1.254	0.401	0.007	0.014	0.014	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.390	3.097	0.007	0.015	0.015	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.442	0.006	0.014	0.014	568.299	0.019	0.004
Surfacing Equipment	50	0.439	4.221	3.193	0.007	0.041	0.041	568.299	0.039	0.005
Surfacing Equipment	120	0.226	3.482	1.659	0.006	0.038	0.038	568.299	0.020	0.004
Surfacing Equipment	175	0.162	3.072	0.567	0.006	0.025	0.025	568.299	0.014	0.004
Surfacing Equipment	250	0.149	1.050	0.497	0.006	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	500	0.148	1.018	0.471	0.005	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	750	0.148	1.018	0.477	0.005	0.016	0.016	568.300	0.013	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Sweepers/Scrubbers	50	0.505	4.929	3.214	0.007	0.017	0.017	568.299	0.045	0.005
Sweepers/Scrubbers	120	0.253	3.698	1.486	0.006	0.016	0.016	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.175	3.271	0.313	0.006	0.012	0.012	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.173	1.114	0.294	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.515	4.949	3.244	0.007	0.022	0.022	568.299	0.046	0.005
Tractors/Loaders/Backhoes	120	0.258	3.703	1.521	0.006	0.020	0.020	568.299	0.023	0.004
Tractors/Loaders/Backhoes	175	0.179	3.275	0.348	0.006	0.015	0.015	568.299	0.016	0.004
Tractors/Loaders/Backhoes	250	0.177	1.115	0.331	0.006	0.012	0.012	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.177	1.066	0.326	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.177	1.066	0.327	0.006	0.012	0.012	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005

2037

2037		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.681	5.055	3.548	0.007	0.084	0.084	568.299	0.061	0.005
Trenchers	120	0.332	3.713	2.049	0.006	0.076	0.076	568.300	0.030	0.004
Trenchers	175	0.241	3.264	0.966	0.006	0.048	0.048	568.299	0.021	0.004
Trenchers	250	0.216	1.149	0.847	0.006	0.031	0.031	568.299	0.019	0.004
Trenchers	500	0.213	1.126	0.790	0.005	0.029	0.029	568.299	0.019	0.004
Trenchers	750	0.213	1.126	0.801	0.005	0.029	0.029	568.300	0.019	0.004
Welders	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Welders	50	0.406	4.349	3.147	0.007	0.022	0.022	568.299	0.036	0.005
Welders	120	0.214	3.528	1.509	0.006	0.019	0.019	568.299	0.019	0.004
Welders	175	0.153	3.121	0.387	0.006	0.015	0.015	568.299	0.013	0.004
Welders	250	0.149	1.063	0.343	0.006	0.012	0.012	568.299	0.013	0.004
Welders	500	0.149	1.027	0.339	0.005	0.012	0.012	568.299	0.013	0.004
Water Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Water Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004

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2038		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.297	3.726	3.017	0.007	0.019	0.019	568.299	0.026	0.005
Aerial Lifts	120	0.166	3.345	1.466	0.006	0.017	0.017	568.299	0.014	0.004
Aerial Lifts	500	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Aerial Lifts	750	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Air Compressors	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressors	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressors	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressors	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressors	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressors	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressors	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	1000	0.167	1.048	2.473	0.005	0.026	0.026	568.299	0.015	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.030	3.019	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.411	0.006	0.012	0.012	568.300	0.016	0.004
Bore/Drill Rigs	175	0.126	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.126	1.035	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.126	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Industrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Industrial Saws	175	0.143	3.075	0.374	0.006	0.014	0.014	568.299	0.012	0.004
Cranes	50	0.600	5.292	3.401	0.007	0.039	0.039	568.299	0.054	0.005
Cranes	120	0.300	3.801	1.676	0.006	0.036	0.036	568.300	0.027	0.004
Cranes	175	0.212	3.357	0.519	0.006	0.024	0.024	568.299	0.019	0.004
Cranes	250	0.203	1.143	0.463	0.006	0.016	0.016	568.299	0.018	0.004
Cranes	500	0.202	1.087	0.441	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	750	0.202	1.087	0.446	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	9999	0.209	1.089	2.618	0.005	0.031	0.031	568.299	0.018	0.004
Crawler Tractors	50	0.708	5.493	3.558	0.007	0.066	0.066	568.299	0.063	0.005
Crawler Tractors	120	0.345	3.850	1.922	0.006	0.060	0.060	568.299	0.031	0.004
Crawler Tractors	175	0.247	3.391	0.794	0.006	0.038	0.038	568.299	0.022	0.004
Crawler Tractors	250	0.229	1.182	0.695	0.006	0.026	0.026	568.299	0.020	0.004

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2038		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.227	1.145	0.657	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	750	0.227	1.145	0.664	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	1000	0.231	1.159	2.792	0.005	0.041	0.041	568.299	0.020	0.004
Crushing/Proc. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Proc. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Proc. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Proc. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Proc. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.572	5.287	3.323	0.007	0.024	0.024	568.299	0.051	0.005
Excavators	120	0.284	3.802	1.551	0.006	0.021	0.021	568.299	0.025	0.004
Excavators	175	0.197	3.363	0.365	0.006	0.015	0.015	568.299	0.017	0.004
Excavators	250	0.195	1.145	0.342	0.006	0.013	0.013	568.300	0.017	0.004
Excavators	500	0.195	1.089	0.337	0.005	0.013	0.013	568.299	0.017	0.004
Excavators	750	0.195	1.088	0.338	0.005	0.013	0.013	568.299	0.017	0.004
Forklifts	50	0.558	5.234	3.268	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.275	3.787	1.495	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.350	0.299	0.006	0.012	0.012	568.300	0.017	0.004
Forklifts	250	0.188	1.141	0.290	0.006	0.011	0.011	568.300	0.017	0.004
Forklifts	500	0.188	1.085	0.290	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.470	4.143	0.008	0.162	0.162	568.299	0.053	0.005
Generator Sets	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Generator Sets	50	0.276	3.607	2.991	0.007	0.018	0.018	568.299	0.024	0.005
Generator Sets	120	0.156	3.310	1.458	0.006	0.016	0.016	568.299	0.014	0.004
Generator Sets	175	0.113	2.929	0.373	0.006	0.013	0.013	568.299	0.010	0.004
Generator Sets	250	0.110	0.998	0.331	0.006	0.011	0.011	568.299	0.009	0.004
Generator Sets	500	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	750	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	9999	0.114	0.978	2.362	0.005	0.022	0.022	568.299	0.010	0.004
Graders	50	0.593	5.189	3.356	0.007	0.037	0.037	568.299	0.053	0.005
Graders	120	0.293	3.767	1.661	0.006	0.034	0.034	568.299	0.026	0.004
Graders	175	0.206	3.326	0.506	0.006	0.022	0.022	568.300	0.018	0.004
Graders	250	0.196	1.137	0.452	0.006	0.016	0.016	568.299	0.017	0.004
Graders	500	0.195	1.083	0.434	0.005	0.016	0.016	568.299	0.017	0.004
Graders	750	0.195	1.083	0.438	0.005	0.016	0.016	568.299	0.017	0.004
Off-Highway Tractors	120	0.418	3.902	2.350	0.006	0.107	0.107	568.299	0.037	0.004
Off-Highway Tractors	175	0.301	3.421	1.252	0.006	0.065	0.065	568.299	0.027	0.004
Off-Highway Tractors	250	0.268	1.232	1.115	0.006	0.042	0.042	568.299	0.024	0.004
Off-Highway Tractors	750	0.262	1.238	1.045	0.005	0.040	0.040	568.299	0.023	0.004
Off-Highway Tractors	1000	0.269	1.268	3.116	0.005	0.056	0.056	568.299	0.024	0.004
Off-Highway Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Off-Highway Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004

2038

2038		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.410	4.377	3.124	0.007	0.018	0.018	568.299	0.037	0.005
Other Construction Equipment	120	0.213	3.536	1.474	0.006	0.017	0.017	568.299	0.019	0.004
Other Construction Equipment	175	0.150	3.128	0.334	0.006	0.013	0.013	568.299	0.013	0.004
Other Construction Equipment	500	0.147	1.029	0.311	0.005	0.011	0.011	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.564	5.255	3.334	0.007	0.025	0.025	568.299	0.050	0.005
Other General Industrial Equipment	120	0.282	3.794	1.567	0.006	0.022	0.022	568.300	0.025	0.004
Other General Industrial Equipment	175	0.199	3.355	0.399	0.006	0.016	0.016	568.300	0.018	0.004
Other General Industrial Equipment	250	0.195	1.143	0.355	0.006	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	500	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	750	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	1000	0.196	1.087	2.532	0.005	0.028	0.028	568.299	0.017	0.004
Other Material Handling Equipment	50	0.552	5.189	3.321	0.007	0.025	0.025	568.299	0.049	0.005
Other Material Handling Equipment	120	0.277	3.774	1.563	0.006	0.022	0.022	568.299	0.025	0.004
Other Material Handling Equipment	175	0.196	3.338	0.398	0.006	0.016	0.016	568.299	0.017	0.004
Other Material Handling Equipment	250	0.192	1.137	0.354	0.006	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	500	0.192	1.082	0.350	0.005	0.013	0.013	568.299	0.017	0.004

2038

2038		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.197	1.082	2.525	0.005	0.027	0.027	568.299	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.694	5.260	3.555	0.007	0.076	0.076	568.299	0.062	0.005
Pavers	120	0.338	3.774	1.986	0.006	0.069	0.069	568.299	0.030	0.004
Pavers	175	0.244	3.319	0.889	0.006	0.043	0.043	568.299	0.022	0.004
Pavers	250	0.221	1.157	0.772	0.006	0.027	0.027	568.300	0.019	0.004
Pavers	500	0.218	1.111	0.722	0.005	0.026	0.026	568.299	0.019	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.664	5.181	3.511	0.007	0.070	0.070	568.300	0.059	0.005
Paving Equipment	120	0.326	3.753	1.928	0.006	0.064	0.064	568.299	0.029	0.004
Paving Equipment	175	0.235	3.303	0.832	0.006	0.040	0.040	568.299	0.021	0.004
Paving Equipment	250	0.212	1.140	0.714	0.006	0.024	0.024	568.299	0.019	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.470	4.143	0.008	0.162	0.162	568.300	0.053	0.005
Pressure Washers	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pressure Washers	50	0.188	3.101	2.882	0.007	0.015	0.015	568.299	0.016	0.005
Pressure Washers	120	0.116	3.161	1.421	0.006	0.014	0.014	568.299	0.010	0.004
Pressure Washers	175	0.109	2.907	0.382	0.006	0.013	0.013	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Pumps	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pumps	50	0.306	3.778	3.028	0.007	0.019	0.019	568.299	0.027	0.005
Pumps	120	0.170	3.360	1.470	0.006	0.017	0.017	568.299	0.015	0.004
Pumps	175	0.123	2.973	0.377	0.006	0.014	0.014	568.299	0.011	0.004
Pumps	250	0.119	1.012	0.335	0.006	0.011	0.011	568.299	0.010	0.004
Pumps	500	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	750	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	9999	0.124	0.989	2.380	0.005	0.023	0.023	568.299	0.011	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Rollers	50	0.507	4.711	3.280	0.007	0.038	0.038	568.299	0.045	0.005
Rollers	120	0.258	3.629	1.650	0.006	0.035	0.035	568.299	0.023	0.004
Rollers	175	0.184	3.204	0.523	0.006	0.023	0.023	568.299	0.016	0.004
Rollers	250	0.173	1.091	0.465	0.006	0.016	0.016	568.299	0.015	0.004
Rollers	500	0.172	1.048	0.442	0.005	0.016	0.016	568.300	0.015	0.004
Rough Terrain Forklifts	50	0.521	5.011	3.267	0.007	0.022	0.022	568.299	0.047	0.005
Rough Terrain Forklifts	120	0.262	3.722	1.530	0.006	0.020	0.020	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.184	3.292	0.364	0.006	0.015	0.015	568.299	0.016	0.004
Rough Terrain Forklifts	250	0.181	1.121	0.334	0.006	0.012	0.012	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.181	1.071	0.331	0.005	0.012	0.012	568.300	0.016	0.004
Rubber Tired Dozers	175	0.322	3.481	1.345	0.006	0.071	0.071	568.299	0.029	0.004
Rubber Tired Dozers	250	0.286	1.262	1.203	0.006	0.046	0.046	568.299	0.025	0.004
Rubber Tired Dozers	500	0.279	1.279	1.107	0.005	0.043	0.043	568.300	0.025	0.004
Rubber Tired Dozers	750	0.279	1.279	1.126	0.005	0.043	0.043	568.299	0.025	0.004
Rubber Tired Dozers	1000	0.287	1.312	3.204	0.005	0.060	0.060	568.299	0.025	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005

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2038		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.575	5.126	3.337	0.007	0.035	0.035	568.299	0.051	0.005
Rubber Tired Loaders	120	0.286	3.751	1.639	0.006	0.033	0.033	568.299	0.025	0.004
Rubber Tired Loaders	175	0.200	3.312	0.481	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	250	0.191	1.129	0.434	0.006	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	500	0.191	1.076	0.416	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	750	0.191	1.076	0.421	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	1000	0.193	1.082	2.584	0.005	0.030	0.030	568.299	0.017	0.004
Scrapers	120	0.348	3.842	1.943	0.006	0.064	0.064	568.299	0.031	0.004
Scrapers	175	0.250	3.382	0.824	0.006	0.040	0.040	568.299	0.022	0.004
Scrapers	250	0.229	1.175	0.717	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	500	0.226	1.123	0.674	0.005	0.025	0.025	568.300	0.020	0.004
Scrapers	750	0.226	1.123	0.682	0.005	0.025	0.025	568.299	0.020	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.067	3.082	0.007	0.020	0.020	568.299	0.032	0.005
Signal Boards	120	0.192	3.445	1.482	0.006	0.018	0.018	568.299	0.017	0.004
Signal Boards	175	0.138	3.048	0.372	0.006	0.014	0.014	568.299	0.012	0.004
Signal Boards	250	0.162	1.254	0.401	0.007	0.014	0.014	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.390	3.097	0.007	0.015	0.015	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.442	0.006	0.014	0.014	568.299	0.019	0.004
Surfacing Equipment	50	0.439	4.221	3.193	0.007	0.041	0.041	568.299	0.039	0.005
Surfacing Equipment	120	0.226	3.482	1.659	0.006	0.038	0.038	568.299	0.020	0.004
Surfacing Equipment	175	0.162	3.072	0.567	0.006	0.025	0.025	568.299	0.014	0.004
Surfacing Equipment	250	0.149	1.050	0.497	0.006	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	500	0.148	1.018	0.471	0.005	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	750	0.148	1.018	0.477	0.005	0.016	0.016	568.300	0.013	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Sweepers/Scrubbers	50	0.505	4.929	3.214	0.007	0.017	0.017	568.299	0.045	0.005
Sweepers/Scrubbers	120	0.253	3.698	1.486	0.006	0.016	0.016	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.175	3.271	0.313	0.006	0.012	0.012	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.173	1.114	0.294	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.515	4.949	3.244	0.007	0.022	0.022	568.299	0.046	0.005
Tractors/Loaders/Backhoes	120	0.258	3.703	1.521	0.006	0.020	0.020	568.299	0.023	0.004
Tractors/Loaders/Backhoes	175	0.179	3.275	0.348	0.006	0.015	0.015	568.299	0.016	0.004
Tractors/Loaders/Backhoes	250	0.177	1.115	0.331	0.006	0.012	0.012	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.177	1.066	0.326	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.177	1.066	0.327	0.006	0.012	0.012	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005

2038

2038		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.681	5.055	3.548	0.007	0.084	0.084	568.299	0.061	0.005
Trenchers	120	0.332	3.713	2.049	0.006	0.076	0.076	568.300	0.030	0.004
Trenchers	175	0.241	3.264	0.966	0.006	0.048	0.048	568.299	0.021	0.004
Trenchers	250	0.216	1.149	0.847	0.006	0.031	0.031	568.299	0.019	0.004
Trenchers	500	0.213	1.126	0.790	0.005	0.029	0.029	568.299	0.019	0.004
Trenchers	750	0.213	1.126	0.801	0.005	0.029	0.029	568.300	0.019	0.004
Welders	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Welders	50	0.406	4.349	3.147	0.007	0.022	0.022	568.299	0.036	0.005
Welders	120	0.214	3.528	1.509	0.006	0.019	0.019	568.299	0.019	0.004
Welders	175	0.153	3.121	0.387	0.006	0.015	0.015	568.299	0.013	0.004
Welders	250	0.149	1.063	0.343	0.006	0.012	0.012	568.299	0.013	0.004
Welders	500	0.149	1.027	0.339	0.005	0.012	0.012	568.299	0.013	0.004
Water Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Water Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004

2039

2039		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.297	3.726	3.017	0.007	0.019	0.019	568.299	0.026	0.005
Aerial Lifts	120	0.166	3.345	1.466	0.006	0.017	0.017	568.299	0.014	0.004
Aerial Lifts	500	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Aerial Lifts	750	0.116	0.986	0.330	0.005	0.011	0.011	568.299	0.010	0.004
Air Compressors	15	0.661	3.469	4.143	0.008	0.162	0.162	568.300	0.059	0.005
Air Compressors	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Air Compressors	50	0.463	4.674	3.215	0.007	0.023	0.023	568.299	0.041	0.005
Air Compressors	120	0.238	3.623	1.530	0.006	0.020	0.020	568.299	0.021	0.004
Air Compressors	175	0.170	3.205	0.391	0.006	0.015	0.015	568.300	0.015	0.004
Air Compressors	250	0.166	1.091	0.347	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressors	500	0.166	1.048	0.343	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	750	0.166	1.048	0.344	0.005	0.012	0.012	568.299	0.014	0.004
Air Compressors	1000	0.167	1.048	2.473	0.005	0.026	0.026	568.299	0.015	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.030	3.019	0.007	0.013	0.013	568.299	0.031	0.005
Bore/Drill Rigs	120	0.183	3.434	1.411	0.006	0.012	0.012	568.300	0.016	0.004
Bore/Drill Rigs	175	0.126	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.126	1.035	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	500	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.126	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.126	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.375	4.174	3.107	0.007	0.021	0.021	568.300	0.033	0.005
Concrete/Industrial Saws	120	0.200	3.476	1.491	0.006	0.018	0.018	568.299	0.018	0.004
Concrete/Industrial Saws	175	0.143	3.075	0.374	0.006	0.014	0.014	568.299	0.012	0.004
Cranes	50	0.600	5.292	3.401	0.007	0.039	0.039	568.299	0.054	0.005
Cranes	120	0.300	3.801	1.676	0.006	0.036	0.036	568.300	0.027	0.004
Cranes	175	0.212	3.357	0.519	0.006	0.024	0.024	568.299	0.019	0.004
Cranes	250	0.203	1.143	0.463	0.006	0.016	0.016	568.299	0.018	0.004
Cranes	500	0.202	1.087	0.441	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	750	0.202	1.087	0.446	0.005	0.016	0.016	568.299	0.018	0.004
Cranes	9999	0.209	1.089	2.618	0.005	0.031	0.031	568.299	0.018	0.004
Crawler Tractors	50	0.708	5.493	3.558	0.007	0.066	0.066	568.299	0.063	0.005
Crawler Tractors	120	0.345	3.850	1.922	0.006	0.060	0.060	568.299	0.031	0.004
Crawler Tractors	175	0.247	3.391	0.794	0.006	0.038	0.038	568.299	0.022	0.004
Crawler Tractors	250	0.229	1.182	0.695	0.006	0.026	0.026	568.299	0.020	0.004

2039

2039		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.227	1.145	0.657	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	750	0.227	1.145	0.664	0.005	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	1000	0.231	1.159	2.792	0.005	0.041	0.041	568.299	0.020	0.004
Crushing/Proc. Equipment	50	0.487	4.819	3.237	0.007	0.023	0.023	568.299	0.044	0.005
Crushing/Proc. Equipment	120	0.249	3.665	1.531	0.006	0.020	0.020	568.299	0.022	0.004
Crushing/Proc. Equipment	175	0.176	3.242	0.382	0.006	0.015	0.015	568.299	0.015	0.004
Crushing/Proc. Equipment	250	0.172	1.104	0.342	0.006	0.012	0.012	568.300	0.015	0.004
Crushing/Proc. Equipment	500	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	750	0.172	1.058	0.338	0.005	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	9999	0.177	1.058	2.482	0.005	0.026	0.026	568.299	0.016	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	50	0.572	5.287	3.323	0.007	0.024	0.024	568.299	0.051	0.005
Excavators	120	0.284	3.802	1.551	0.006	0.021	0.021	568.299	0.025	0.004
Excavators	175	0.197	3.363	0.365	0.006	0.015	0.015	568.299	0.017	0.004
Excavators	250	0.195	1.145	0.342	0.006	0.013	0.013	568.300	0.017	0.004
Excavators	500	0.195	1.089	0.337	0.005	0.013	0.013	568.299	0.017	0.004
Excavators	750	0.195	1.088	0.338	0.005	0.013	0.013	568.299	0.017	0.004
Forklifts	50	0.558	5.234	3.268	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.275	3.787	1.495	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.350	0.299	0.006	0.012	0.012	568.300	0.017	0.004
Forklifts	250	0.188	1.141	0.290	0.006	0.011	0.011	568.300	0.017	0.004
Forklifts	500	0.188	1.085	0.290	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.470	4.143	0.008	0.162	0.162	568.299	0.053	0.005
Generator Sets	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Generator Sets	50	0.276	3.607	2.991	0.007	0.018	0.018	568.299	0.024	0.005
Generator Sets	120	0.156	3.310	1.458	0.006	0.016	0.016	568.299	0.014	0.004
Generator Sets	175	0.113	2.929	0.373	0.006	0.013	0.013	568.299	0.010	0.004
Generator Sets	250	0.110	0.998	0.331	0.006	0.011	0.011	568.299	0.009	0.004
Generator Sets	500	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	750	0.110	0.978	0.328	0.005	0.011	0.011	568.299	0.009	0.004
Generator Sets	9999	0.114	0.978	2.362	0.005	0.022	0.022	568.299	0.010	0.004
Graders	50	0.593	5.189	3.356	0.007	0.037	0.037	568.299	0.053	0.005
Graders	120	0.293	3.767	1.661	0.006	0.034	0.034	568.299	0.026	0.004
Graders	175	0.206	3.326	0.506	0.006	0.022	0.022	568.300	0.018	0.004
Graders	250	0.196	1.137	0.452	0.006	0.016	0.016	568.299	0.017	0.004
Graders	500	0.195	1.083	0.434	0.005	0.016	0.016	568.299	0.017	0.004
Graders	750	0.195	1.083	0.438	0.005	0.016	0.016	568.299	0.017	0.004
Off-Highway Tractors	120	0.418	3.902	2.350	0.006	0.107	0.107	568.299	0.037	0.004
Off-Highway Tractors	175	0.301	3.421	1.252	0.006	0.065	0.065	568.299	0.027	0.004
Off-Highway Tractors	250	0.268	1.232	1.115	0.006	0.042	0.042	568.299	0.024	0.004
Off-Highway Tractors	750	0.262	1.238	1.045	0.005	0.040	0.040	568.299	0.023	0.004
Off-Highway Tractors	1000	0.269	1.268	3.116	0.005	0.056	0.056	568.299	0.024	0.004
Off-Highway Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Off-Highway Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004

2039

2039		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.410	4.377	3.124	0.007	0.018	0.018	568.299	0.037	0.005
Other Construction Equipment	120	0.213	3.536	1.474	0.006	0.017	0.017	568.299	0.019	0.004
Other Construction Equipment	175	0.150	3.128	0.334	0.006	0.013	0.013	568.299	0.013	0.004
Other Construction Equipment	500	0.147	1.029	0.311	0.005	0.011	0.011	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.564	5.255	3.334	0.007	0.025	0.025	568.299	0.050	0.005
Other General Industrial Equipment	120	0.282	3.794	1.567	0.006	0.022	0.022	568.300	0.025	0.004
Other General Industrial Equipment	175	0.199	3.355	0.399	0.006	0.016	0.016	568.300	0.018	0.004
Other General Industrial Equipment	250	0.195	1.143	0.355	0.006	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	500	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	750	0.195	1.087	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Other General Industrial Equipment	1000	0.196	1.087	2.532	0.005	0.028	0.028	568.299	0.017	0.004
Other Material Handling Equipment	50	0.552	5.189	3.321	0.007	0.025	0.025	568.299	0.049	0.005
Other Material Handling Equipment	120	0.277	3.774	1.563	0.006	0.022	0.022	568.299	0.025	0.004
Other Material Handling Equipment	175	0.196	3.338	0.398	0.006	0.016	0.016	568.299	0.017	0.004
Other Material Handling Equipment	250	0.192	1.137	0.354	0.006	0.013	0.013	568.299	0.017	0.004
Other Material Handling Equipment	500	0.192	1.082	0.350	0.005	0.013	0.013	568.299	0.017	0.004

2039

2039		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.197	1.082	2.525	0.005	0.027	0.027	568.299	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.694	5.260	3.555	0.007	0.076	0.076	568.299	0.062	0.005
Pavers	120	0.338	3.774	1.986	0.006	0.069	0.069	568.299	0.030	0.004
Pavers	175	0.244	3.319	0.889	0.006	0.043	0.043	568.299	0.022	0.004
Pavers	250	0.221	1.157	0.772	0.006	0.027	0.027	568.300	0.019	0.004
Pavers	500	0.218	1.111	0.722	0.005	0.026	0.026	568.299	0.019	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.664	5.181	3.511	0.007	0.070	0.070	568.300	0.059	0.005
Paving Equipment	120	0.326	3.753	1.928	0.006	0.064	0.064	568.299	0.029	0.004
Paving Equipment	175	0.235	3.303	0.832	0.006	0.040	0.040	568.299	0.021	0.004
Paving Equipment	250	0.212	1.140	0.714	0.006	0.024	0.024	568.299	0.019	0.004
Plate Compactors	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.470	4.143	0.008	0.162	0.162	568.300	0.053	0.005
Pressure Washers	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pressure Washers	50	0.188	3.101	2.882	0.007	0.015	0.015	568.299	0.016	0.005
Pressure Washers	120	0.116	3.161	1.421	0.006	0.014	0.014	568.299	0.010	0.004
Pressure Washers	175	0.109	2.907	0.382	0.006	0.013	0.013	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Pumps	25	0.685	2.340	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Pumps	50	0.306	3.778	3.028	0.007	0.019	0.019	568.299	0.027	0.005
Pumps	120	0.170	3.360	1.470	0.006	0.017	0.017	568.299	0.015	0.004
Pumps	175	0.123	2.973	0.377	0.006	0.014	0.014	568.299	0.011	0.004
Pumps	250	0.119	1.012	0.335	0.006	0.011	0.011	568.299	0.010	0.004
Pumps	500	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	750	0.119	0.989	0.331	0.005	0.011	0.011	568.299	0.010	0.004
Pumps	9999	0.124	0.989	2.380	0.005	0.023	0.023	568.299	0.011	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Rollers	50	0.507	4.711	3.280	0.007	0.038	0.038	568.299	0.045	0.005
Rollers	120	0.258	3.629	1.650	0.006	0.035	0.035	568.299	0.023	0.004
Rollers	175	0.184	3.204	0.523	0.006	0.023	0.023	568.299	0.016	0.004
Rollers	250	0.173	1.091	0.465	0.006	0.016	0.016	568.299	0.015	0.004
Rollers	500	0.172	1.048	0.442	0.005	0.016	0.016	568.300	0.015	0.004
Rough Terrain Forklifts	50	0.521	5.011	3.267	0.007	0.022	0.022	568.299	0.047	0.005
Rough Terrain Forklifts	120	0.262	3.722	1.530	0.006	0.020	0.020	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.184	3.292	0.364	0.006	0.015	0.015	568.299	0.016	0.004
Rough Terrain Forklifts	250	0.181	1.121	0.334	0.006	0.012	0.012	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.181	1.071	0.331	0.005	0.012	0.012	568.300	0.016	0.004
Rubber Tired Dozers	175	0.322	3.481	1.345	0.006	0.071	0.071	568.299	0.029	0.004
Rubber Tired Dozers	250	0.286	1.262	1.203	0.006	0.046	0.046	568.299	0.025	0.004
Rubber Tired Dozers	500	0.279	1.279	1.107	0.005	0.043	0.043	568.300	0.025	0.004
Rubber Tired Dozers	750	0.279	1.279	1.126	0.005	0.043	0.043	568.299	0.025	0.004
Rubber Tired Dozers	1000	0.287	1.312	3.204	0.005	0.060	0.060	568.299	0.025	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005

2039

2039		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.575	5.126	3.337	0.007	0.035	0.035	568.299	0.051	0.005
Rubber Tired Loaders	120	0.286	3.751	1.639	0.006	0.033	0.033	568.299	0.025	0.004
Rubber Tired Loaders	175	0.200	3.312	0.481	0.006	0.022	0.022	568.299	0.018	0.004
Rubber Tired Loaders	250	0.191	1.129	0.434	0.006	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	500	0.191	1.076	0.416	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	750	0.191	1.076	0.421	0.005	0.015	0.015	568.299	0.017	0.004
Rubber Tired Loaders	1000	0.193	1.082	2.584	0.005	0.030	0.030	568.299	0.017	0.004
Scrapers	120	0.348	3.842	1.943	0.006	0.064	0.064	568.299	0.031	0.004
Scrapers	175	0.250	3.382	0.824	0.006	0.040	0.040	568.299	0.022	0.004
Scrapers	250	0.229	1.175	0.717	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	500	0.226	1.123	0.674	0.005	0.025	0.025	568.300	0.020	0.004
Scrapers	750	0.226	1.123	0.682	0.005	0.025	0.025	568.299	0.020	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.067	3.082	0.007	0.020	0.020	568.299	0.032	0.005
Signal Boards	120	0.192	3.445	1.482	0.006	0.018	0.018	568.299	0.017	0.004
Signal Boards	175	0.138	3.048	0.372	0.006	0.014	0.014	568.299	0.012	0.004
Signal Boards	250	0.162	1.254	0.401	0.007	0.014	0.014	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.390	3.097	0.007	0.015	0.015	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.442	0.006	0.014	0.014	568.299	0.019	0.004
Surfacing Equipment	50	0.439	4.221	3.193	0.007	0.041	0.041	568.299	0.039	0.005
Surfacing Equipment	120	0.226	3.482	1.659	0.006	0.038	0.038	568.299	0.020	0.004
Surfacing Equipment	175	0.162	3.072	0.567	0.006	0.025	0.025	568.299	0.014	0.004
Surfacing Equipment	250	0.149	1.050	0.497	0.006	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	500	0.148	1.018	0.471	0.005	0.016	0.016	568.299	0.013	0.004
Surfacing Equipment	750	0.148	1.018	0.477	0.005	0.016	0.016	568.300	0.013	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Sweepers/Scrubbers	50	0.505	4.929	3.214	0.007	0.017	0.017	568.299	0.045	0.005
Sweepers/Scrubbers	120	0.253	3.698	1.486	0.006	0.016	0.016	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.175	3.271	0.313	0.006	0.012	0.012	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.173	1.114	0.294	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.515	4.949	3.244	0.007	0.022	0.022	568.299	0.046	0.005
Tractors/Loaders/Backhoes	120	0.258	3.703	1.521	0.006	0.020	0.020	568.299	0.023	0.004
Tractors/Loaders/Backhoes	175	0.179	3.275	0.348	0.006	0.015	0.015	568.299	0.016	0.004
Tractors/Loaders/Backhoes	250	0.177	1.115	0.331	0.006	0.012	0.012	568.299	0.016	0.004
Tractors/Loaders/Backhoes	500	0.177	1.066	0.326	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.177	1.066	0.327	0.006	0.012	0.012	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005

2039

2039		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.681	5.055	3.548	0.007	0.084	0.084	568.299	0.061	0.005
Trenchers	120	0.332	3.713	2.049	0.006	0.076	0.076	568.300	0.030	0.004
Trenchers	175	0.241	3.264	0.966	0.006	0.048	0.048	568.299	0.021	0.004
Trenchers	250	0.216	1.149	0.847	0.006	0.031	0.031	568.299	0.019	0.004
Trenchers	500	0.213	1.126	0.790	0.005	0.029	0.029	568.299	0.019	0.004
Trenchers	750	0.213	1.126	0.801	0.005	0.029	0.029	568.300	0.019	0.004
Welders	15	0.661	3.469	4.143	0.008	0.162	0.162	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.162	0.162	568.299	0.061	0.005
Welders	50	0.406	4.349	3.147	0.007	0.022	0.022	568.299	0.036	0.005
Welders	120	0.214	3.528	1.509	0.006	0.019	0.019	568.299	0.019	0.004
Welders	175	0.153	3.121	0.387	0.006	0.015	0.015	568.299	0.013	0.004
Welders	250	0.149	1.063	0.343	0.006	0.012	0.012	568.299	0.013	0.004
Welders	500	0.149	1.027	0.339	0.005	0.012	0.012	568.299	0.013	0.004
Water Trucks	175	0.211	3.425	0.380	0.006	0.016	0.016	568.299	0.019	0.004
Water Trucks	250	0.208	1.167	0.353	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	500	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	750	0.208	1.105	0.348	0.005	0.013	0.013	568.299	0.018	0.004
Water Trucks	1000	0.209	1.105	2.565	0.005	0.028	0.028	568.299	0.018	0.004

2040

2040		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Aerial Lifts	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Aerial Lifts	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Aerial Lifts	50	0.295	3.723	2.966	0.007	0.013	0.013	568.299	0.026	0.005
Aerial Lifts	120	0.161	3.344	1.407	0.006	0.012	0.012	568.299	0.014	0.004
Aerial Lifts	500	0.112	0.986	0.279	0.005	0.009	0.009	568.299	0.010	0.004
Aerial Lifts	750	0.112	0.986	0.279	0.005	0.009	0.009	568.299	0.010	0.004
Air Compressors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Air Compressors	25	0.685	2.339	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Air Compressors	50	0.458	4.659	3.159	0.007	0.016	0.016	568.300	0.041	0.005
Air Compressors	120	0.232	3.619	1.468	0.006	0.015	0.015	568.299	0.020	0.004
Air Compressors	175	0.161	3.201	0.307	0.006	0.012	0.012	568.299	0.014	0.004
Air Compressors	250	0.160	1.090	0.291	0.006	0.010	0.010	568.299	0.014	0.004
Air Compressors	500	0.160	1.047	0.291	0.005	0.010	0.010	568.300	0.014	0.004
Air Compressors	750	0.160	1.047	0.291	0.005	0.010	0.010	568.299	0.014	0.004
Air Compressors	1000	0.160	1.047	2.439	0.005	0.023	0.023	568.299	0.014	0.004
Bore/Drill Rigs	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Bore/Drill Rigs	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Bore/Drill Rigs	50	0.348	4.032	3.019	0.007	0.013	0.013	568.300	0.031	0.005
Bore/Drill Rigs	120	0.183	3.435	1.411	0.006	0.012	0.012	568.299	0.016	0.004
Bore/Drill Rigs	175	0.127	3.039	0.272	0.006	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	250	0.127	1.035	0.272	0.006	0.010	0.010	568.300	0.011	0.004
Bore/Drill Rigs	500	0.127	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	750	0.127	1.006	0.272	0.005	0.010	0.010	568.299	0.011	0.004
Bore/Drill Rigs	1000	0.127	1.006	2.372	0.005	0.021	0.021	568.299	0.011	0.004
Cement and Mortar Mixers	15	0.661	3.470	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Cement and Mortar Mixers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Concrete/Industrial Saws	50	0.373	4.175	3.058	0.007	0.014	0.014	568.299	0.033	0.005
Concrete/Industrial Saws	120	0.195	3.477	1.434	0.006	0.013	0.013	568.299	0.017	0.004
Concrete/Industrial Saws	175	0.136	3.076	0.297	0.006	0.011	0.011	568.300	0.012	0.004
Cranes	50	0.567	5.268	3.324	0.007	0.024	0.024	568.299	0.051	0.005
Cranes	120	0.282	3.797	1.552	0.006	0.021	0.021	568.299	0.025	0.004
Cranes	175	0.197	3.358	0.371	0.006	0.016	0.016	568.299	0.017	0.004
Cranes	250	0.195	1.144	0.344	0.006	0.013	0.013	568.299	0.017	0.004
Cranes	500	0.195	1.087	0.340	0.005	0.013	0.013	568.299	0.017	0.004
Cranes	750	0.195	1.087	0.341	0.005	0.013	0.013	568.299	0.017	0.004
Cranes	9999	0.198	1.087	2.534	0.005	0.027	0.027	568.299	0.017	0.004
Crawler Tractors	50	0.653	5.443	3.420	0.007	0.042	0.042	568.299	0.058	0.005
Crawler Tractors	120	0.316	3.839	1.709	0.006	0.039	0.039	568.299	0.028	0.004
Crawler Tractors	175	0.221	3.388	0.539	0.006	0.025	0.025	568.299	0.020	0.004
Crawler Tractors	250	0.211	1.167	0.491	0.006	0.018	0.018	568.299	0.019	0.004

2040

2040		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Crawler Tractors	500	0.210	1.113	0.470	0.005	0.018	0.018	568.299	0.018	0.004
Crawler Tractors	750	0.210	1.113	0.475	0.005	0.018	0.018	568.299	0.019	0.004
Crawler Tractors	1000	0.213	1.122	2.652	0.005	0.032	0.032	568.299	0.019	0.004
Crushing/Proc. Equipment	50	0.488	4.833	3.194	0.007	0.017	0.017	568.299	0.044	0.005
Crushing/Proc. Equipment	120	0.245	3.670	1.477	0.006	0.015	0.015	568.299	0.022	0.004
Crushing/Proc. Equipment	175	0.170	3.246	0.306	0.006	0.012	0.012	568.299	0.015	0.004
Crushing/Proc. Equipment	250	0.168	1.106	0.292	0.006	0.011	0.011	568.299	0.015	0.004
Crushing/Proc. Equipment	500	0.168	1.059	0.292	0.005	0.011	0.011	568.299	0.015	0.004
Crushing/Proc. Equipment	750	0.169	1.059	0.292	0.005	0.011	0.011	568.299	0.015	0.004
Crushing/Proc. Equipment	9999	0.170	1.059	2.457	0.005	0.024	0.024	568.299	0.015	0.004
Dumpers/Tenders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Excavators	25	0.685	2.339	4.332	0.007	0.161	0.161	568.300	0.061	0.005
Excavators	50	0.567	5.283	3.290	0.007	0.019	0.019	568.299	0.051	0.005
Excavators	120	0.279	3.802	1.507	0.006	0.017	0.017	568.299	0.025	0.004
Excavators	175	0.193	3.363	0.311	0.006	0.013	0.013	568.299	0.017	0.004
Excavators	250	0.192	1.145	0.300	0.006	0.011	0.011	568.299	0.017	0.004
Excavators	500	0.192	1.089	0.300	0.005	0.011	0.011	568.299	0.017	0.004
Excavators	750	0.192	1.089	0.300	0.005	0.011	0.011	568.299	0.017	0.004
Forklifts	50	0.562	5.256	3.272	0.007	0.017	0.017	568.299	0.050	0.005
Forklifts	120	0.276	3.794	1.491	0.006	0.016	0.016	568.299	0.024	0.004
Forklifts	175	0.189	3.356	0.288	0.006	0.012	0.012	568.299	0.017	0.004
Forklifts	250	0.189	1.143	0.288	0.006	0.011	0.011	568.299	0.017	0.004
Forklifts	500	0.189	1.087	0.288	0.005	0.011	0.011	568.299	0.017	0.004
Generator Sets	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Generator Sets	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Generator Sets	50	0.273	3.601	2.941	0.007	0.012	0.012	568.300	0.024	0.005
Generator Sets	120	0.152	3.308	1.399	0.006	0.012	0.012	568.299	0.013	0.004
Generator Sets	175	0.107	2.928	0.293	0.006	0.010	0.010	568.299	0.009	0.004
Generator Sets	250	0.106	0.997	0.277	0.006	0.009	0.009	568.299	0.009	0.004
Generator Sets	500	0.106	0.978	0.277	0.005	0.009	0.009	568.299	0.009	0.004
Generator Sets	750	0.106	0.978	0.277	0.005	0.009	0.009	568.300	0.009	0.004
Generator Sets	9999	0.107	0.978	2.330	0.005	0.020	0.020	568.299	0.009	0.004
Graders	50	0.563	5.161	3.298	0.007	0.026	0.026	568.300	0.050	0.005
Graders	120	0.278	3.764	1.560	0.006	0.024	0.024	568.299	0.025	0.004
Graders	175	0.193	3.326	0.380	0.006	0.017	0.017	568.299	0.017	0.004
Graders	250	0.188	1.133	0.360	0.006	0.013	0.013	568.299	0.017	0.004
Graders	500	0.188	1.079	0.351	0.005	0.013	0.013	568.299	0.017	0.004
Graders	750	0.188	1.079	0.353	0.005	0.013	0.013	568.299	0.017	0.004
Off-Highway Tractors	120	0.362	3.878	1.976	0.006	0.067	0.067	568.299	0.032	0.004
Off-Highway Tractors	175	0.257	3.412	0.836	0.006	0.041	0.041	568.299	0.023	0.004
Off-Highway Tractors	250	0.237	1.198	0.747	0.006	0.028	0.028	568.299	0.021	0.004
Off-Highway Tractors	750	0.234	1.164	0.710	0.005	0.027	0.027	568.299	0.021	0.004
Off-Highway Tractors	1000	0.238	1.183	2.844	0.005	0.042	0.042	568.299	0.021	0.004
Off-Highway Trucks	175	0.205	3.426	0.318	0.006	0.013	0.013	568.299	0.018	0.004
Off-Highway Trucks	250	0.204	1.167	0.305	0.006	0.012	0.012	568.300	0.018	0.004

2040

2040		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Off-Highway Trucks	500	0.204	1.105	0.305	0.005	0.012	0.012	568.299	0.018	0.004
Off-Highway Trucks	750	0.204	1.105	0.305	0.005	0.012	0.012	568.299	0.018	0.004
Off-Highway Trucks	1000	0.205	1.105	2.532	0.005	0.026	0.026	568.299	0.018	0.004
Other Construction Equipment	15	0.661	3.470	4.142	0.008	0.161	0.161	568.300	0.059	0.005
Other Construction Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other Construction Equipment	50	0.409	4.377	3.096	0.007	0.015	0.015	568.300	0.036	0.005
Other Construction Equipment	120	0.210	3.536	1.441	0.006	0.014	0.014	568.299	0.018	0.004
Other Construction Equipment	175	0.145	3.128	0.290	0.006	0.011	0.011	568.299	0.013	0.004
Other Construction Equipment	500	0.145	1.029	0.282	0.005	0.010	0.010	568.299	0.013	0.004
Other General Industrial Equipment	15	0.589	3.470	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Other General Industrial Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Other General Industrial Equipment	50	0.562	5.257	3.283	0.007	0.019	0.019	568.299	0.050	0.005
Other General Industrial Equipment	120	0.277	3.794	1.506	0.006	0.017	0.017	568.299	0.025	0.004
Other General Industrial Equipment	175	0.191	3.356	0.315	0.006	0.012	0.012	568.299	0.017	0.004
Other General Industrial Equipment	250	0.190	1.143	0.299	0.006	0.011	0.011	568.299	0.017	0.004
Other General Industrial Equipment	500	0.190	1.087	0.299	0.005	0.011	0.011	568.299	0.017	0.004
Other General Industrial Equipment	750	0.190	1.087	0.299	0.005	0.011	0.011	568.299	0.017	0.004
Other General Industrial Equipment	1000	0.191	1.087	2.500	0.005	0.025	0.025	568.299	0.017	0.004
Other Material Handling Equipment	50	0.551	5.191	3.269	0.007	0.018	0.018	568.299	0.049	0.005
Other Material Handling Equipment	120	0.272	3.775	1.502	0.006	0.017	0.017	568.300	0.024	0.004
Other Material Handling Equipment	175	0.188	3.339	0.314	0.006	0.012	0.012	568.299	0.017	0.004
Other Material Handling Equipment	250	0.187	1.137	0.298	0.006	0.011	0.011	568.299	0.016	0.004
Other Material Handling Equipment	500	0.187	1.082	0.298	0.005	0.011	0.011	568.299	0.016	0.004

2040

2040		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Other Material Handling Equipment	9999	0.189	1.082	2.493	0.005	0.025	0.025	568.300	0.017	0.004
Pavers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pavers	50	0.618	5.189	3.393	0.007	0.047	0.047	568.299	0.055	0.005
Pavers	120	0.302	3.763	1.731	0.006	0.043	0.043	568.299	0.027	0.004
Pavers	175	0.213	3.319	0.583	0.006	0.027	0.027	568.299	0.019	0.004
Pavers	250	0.200	1.138	0.525	0.006	0.018	0.018	568.299	0.018	0.004
Pavers	500	0.198	1.085	0.498	0.005	0.018	0.018	568.299	0.017	0.004
Paving Equipment	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Paving Equipment	50	0.589	5.111	3.361	0.007	0.042	0.042	568.300	0.053	0.005
Paving Equipment	120	0.291	3.744	1.687	0.006	0.039	0.039	568.299	0.026	0.004
Paving Equipment	175	0.205	3.304	0.536	0.006	0.025	0.025	568.299	0.018	0.004
Paving Equipment	250	0.193	1.127	0.485	0.006	0.017	0.017	568.299	0.017	0.004
Plate Compactors	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pressure Washers	15	0.589	3.469	4.142	0.008	0.161	0.161	568.299	0.053	0.005
Pressure Washers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pressure Washers	50	0.186	3.098	2.836	0.007	0.010	0.010	568.299	0.016	0.005
Pressure Washers	120	0.113	3.160	1.365	0.006	0.010	0.010	568.299	0.010	0.004
Pressure Washers	175	0.103	2.907	0.293	0.006	0.010	0.010	568.299	0.009	0.004
Pressure Washers	250	0.098	0.986	0.265	0.006	0.009	0.009	568.299	0.008	0.004
Pumps	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Pumps	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Pumps	50	0.303	3.770	2.976	0.007	0.013	0.013	568.299	0.027	0.005
Pumps	120	0.165	3.358	1.410	0.006	0.012	0.012	568.299	0.014	0.004
Pumps	175	0.116	2.971	0.295	0.006	0.010	0.010	568.299	0.010	0.004
Pumps	250	0.114	1.012	0.279	0.006	0.009	0.009	568.299	0.010	0.004
Pumps	500	0.114	0.989	0.279	0.005	0.009	0.009	568.299	0.010	0.004
Pumps	750	0.114	0.989	0.279	0.005	0.009	0.009	568.299	0.010	0.004
Pumps	9999	0.116	0.989	2.347	0.005	0.020	0.020	568.299	0.010	0.004
Rollers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Rollers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Rollers	50	0.469	4.682	3.207	0.007	0.024	0.024	568.299	0.042	0.005
Rollers	120	0.240	3.625	1.525	0.006	0.021	0.021	568.299	0.021	0.004
Rollers	175	0.168	3.205	0.373	0.006	0.015	0.015	568.299	0.015	0.004
Rollers	250	0.165	1.092	0.348	0.006	0.012	0.012	568.299	0.014	0.004
Rollers	500	0.165	1.048	0.341	0.005	0.012	0.012	568.299	0.014	0.004
Rough Terrain Forklifts	50	0.519	5.010	3.228	0.007	0.017	0.017	568.300	0.046	0.005
Rough Terrain Forklifts	120	0.258	3.722	1.485	0.006	0.016	0.016	568.299	0.023	0.004
Rough Terrain Forklifts	175	0.178	3.292	0.303	0.006	0.012	0.012	568.300	0.016	0.004
Rough Terrain Forklifts	250	0.177	1.121	0.292	0.006	0.011	0.011	568.299	0.016	0.004
Rough Terrain Forklifts	500	0.177	1.071	0.292	0.005	0.011	0.011	568.299	0.016	0.004
Rubber Tired Dozers	175	0.275	3.470	0.903	0.006	0.045	0.045	568.299	0.024	0.004
Rubber Tired Dozers	250	0.253	1.225	0.810	0.006	0.031	0.031	568.299	0.022	0.004
Rubber Tired Dozers	500	0.249	1.198	0.758	0.005	0.029	0.029	568.299	0.022	0.004
Rubber Tired Dozers	750	0.250	1.198	0.767	0.005	0.029	0.029	568.300	0.022	0.004
Rubber Tired Dozers	1000	0.254	1.218	2.910	0.005	0.045	0.045	568.300	0.023	0.004
Rubber Tired Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005

2040

2040		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Rubber Tired Loaders	50	0.545	5.102	3.283	0.007	0.024	0.024	568.300	0.049	0.005
Rubber Tired Loaders	120	0.271	3.748	1.543	0.006	0.022	0.022	568.300	0.024	0.004
Rubber Tired Loaders	175	0.188	3.314	0.365	0.006	0.016	0.016	568.299	0.017	0.004
Rubber Tired Loaders	250	0.185	1.128	0.346	0.006	0.013	0.013	568.299	0.016	0.004
Rubber Tired Loaders	500	0.185	1.076	0.338	0.005	0.013	0.013	568.300	0.016	0.004
Rubber Tired Loaders	750	0.185	1.076	0.340	0.005	0.013	0.013	568.299	0.016	0.004
Rubber Tired Loaders	1000	0.186	1.076	2.522	0.005	0.026	0.026	568.299	0.016	0.004
Scrapers	120	0.316	3.833	1.715	0.006	0.040	0.040	568.299	0.028	0.004
Scrapers	175	0.221	3.381	0.549	0.006	0.026	0.026	568.299	0.020	0.004
Scrapers	250	0.210	1.159	0.498	0.006	0.018	0.018	568.300	0.018	0.004
Scrapers	500	0.209	1.100	0.475	0.005	0.017	0.017	568.299	0.018	0.004
Scrapers	750	0.209	1.100	0.480	0.005	0.017	0.017	568.299	0.018	0.004
Signal Boards	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Signal Boards	50	0.356	4.074	3.037	0.007	0.014	0.014	568.299	0.032	0.005
Signal Boards	120	0.188	3.447	1.428	0.006	0.013	0.013	568.299	0.016	0.004
Signal Boards	175	0.131	3.050	0.296	0.006	0.011	0.011	568.299	0.011	0.004
Signal Boards	250	0.157	1.255	0.341	0.007	0.012	0.012	686.695	0.014	0.004
Skid Steer Loaders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Skid Steer Loaders	50	0.411	4.392	3.093	0.007	0.014	0.014	568.299	0.037	0.005
Skid Steer Loaders	120	0.211	3.540	1.435	0.006	0.013	0.013	568.300	0.019	0.004
Surfacing Equipment	50	0.395	4.183	3.114	0.007	0.025	0.025	568.299	0.035	0.005
Surfacing Equipment	120	0.206	3.477	1.521	0.006	0.024	0.024	568.299	0.018	0.004
Surfacing Equipment	175	0.146	3.073	0.397	0.006	0.017	0.017	568.299	0.013	0.004
Surfacing Equipment	250	0.140	1.047	0.370	0.006	0.013	0.013	568.299	0.012	0.004
Surfacing Equipment	500	0.140	1.015	0.358	0.005	0.012	0.012	568.299	0.012	0.004
Surfacing Equipment	750	0.140	1.015	0.361	0.005	0.013	0.013	568.299	0.012	0.004
Sweepers/Scrubbers	15	0.589	3.470	4.142	0.008	0.161	0.161	568.300	0.053	0.005
Sweepers/Scrubbers	25	0.685	2.340	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Sweepers/Scrubbers	50	0.504	4.925	3.203	0.007	0.016	0.016	568.300	0.045	0.005
Sweepers/Scrubbers	120	0.251	3.697	1.469	0.006	0.015	0.015	568.299	0.022	0.004
Sweepers/Scrubbers	175	0.172	3.270	0.284	0.006	0.011	0.011	568.299	0.015	0.004
Sweepers/Scrubbers	250	0.172	1.114	0.284	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Tractors/Loaders/Backhoes	50	0.508	4.946	3.220	0.007	0.018	0.018	568.299	0.045	0.005
Tractors/Loaders/Backhoes	120	0.254	3.703	1.485	0.006	0.016	0.016	568.299	0.022	0.004
Tractors/Loaders/Backhoes	175	0.175	3.276	0.305	0.006	0.012	0.012	568.299	0.015	0.004
Tractors/Loaders/Backhoes	250	0.174	1.116	0.297	0.006	0.011	0.011	568.300	0.015	0.004
Tractors/Loaders/Backhoes	500	0.174	1.066	0.297	0.006	0.011	0.011	568.299	0.015	0.004
Tractors/Loaders/Backhoes	750	0.174	1.066	0.297	0.006	0.011	0.011	568.299	0.015	0.004
Trenchers	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005

2040

2040		g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr	g/hp/hr
Equipment	**MaxHP**	ROG	CO	NOX	SOX	PM10	PM2.5	CO2	CH4	N2O
Trenchers	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Trenchers	50	0.598	4.980	3.374	0.007	0.052	0.052	568.299	0.054	0.005
Trenchers	120	0.293	3.699	1.767	0.006	0.047	0.047	568.299	0.026	0.004
Trenchers	175	0.207	3.260	0.639	0.006	0.030	0.030	568.300	0.018	0.004
Trenchers	250	0.193	1.126	0.573	0.006	0.020	0.020	568.300	0.017	0.004
Trenchers	500	0.191	1.081	0.542	0.005	0.020	0.020	568.300	0.017	0.004
Trenchers	750	0.191	1.081	0.549	0.005	0.020	0.020	568.299	0.017	0.004
Welders	15	0.661	3.469	4.142	0.008	0.161	0.161	568.299	0.059	0.005
Welders	25	0.685	2.339	4.332	0.007	0.161	0.161	568.299	0.061	0.005
Welders	50	0.402	4.336	3.093	0.007	0.015	0.015	568.300	0.036	0.005
Welders	120	0.208	3.524	1.447	0.006	0.014	0.014	568.299	0.018	0.004
Welders	175	0.145	3.118	0.303	0.006	0.011	0.011	568.299	0.013	0.004
Welders	250	0.143	1.062	0.287	0.006	0.010	0.010	568.300	0.012	0.004
Welders	500	0.143	1.026	0.287	0.005	0.010	0.010	568.299	0.012	0.004
Water Trucks	175	0.205	3.426	0.318	0.006	0.013	0.013	568.299	0.018	0.004
Water Trucks	250	0.204	1.167	0.305	0.006	0.012	0.012	568.300	0.018	0.004
Water Trucks	500	0.204	1.105	0.305	0.005	0.012	0.012	568.299	0.018	0.004
Water Trucks	750	0.204	1.105	0.305	0.005	0.012	0.012	568.299	0.018	0.004
Water Trucks	1000	0.205	1.105	2.532	0.005	0.026	0.026	568.299	0.018	0.004

Phase 2A Construction

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,500.00	Space	13.50	205,600.00	0
Strip Mall	51.40	1000sqft	1.18	51,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2025
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 2A Construction - Sacramento County, Annual

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Demolition -

Grading - 22,844 CY exported under excavation phase

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	25700	0
tblAreaCoating	Area_Nonresidential_Interior	77100	0
tblAreaCoating	Area_Parking	12336	0
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	30.00	43.00
tblConstructionPhase	NumDays	300.00	43.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	20.00	77.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	5.33	0.00
tblEnergyUse	NT24E	0.19	0.00

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tblEnergyUse	NT24E	2.98	0.00
tblEnergyUse	NT24NG	0.93	0.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24E	3.26	0.00
tblEnergyUse	T24NG	4.49	0.00
tblGrading	AcresOfGrading	107.50	75.00
tblGrading	MaterialExported	0.00	22,844.00
tblLandUse	LandUseSquareFeet	600,000.00	205,600.00
tblSolidWaste	SolidWasteGenerationRate	53.97	0.00
tblTripsAndVMT	HaulingTripNumber	378.00	0.00
tblTripsAndVMT	HaulingTripNumber	2,856.00	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	15.00
tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	42.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT

tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblTripsAndVMT	WorkerTripNumber	20.00	50.00
tblTripsAndVMT	WorkerTripNumber	103.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	21.00	100.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	3,807,327.60	0.00
tblWater	OutdoorWaterUseRate	2,333,523.37	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0249	0.2417	0.2151	4.8000e-004	0.0310	0.0105	0.0415	5.0400e-003	9.7900e-003	0.0148	0.0000	43.0397	43.0397	0.0104	0.0000	43.2987
2024	0.4838	2.2799	2.0054	5.6900e-003	0.5752	0.0815	0.6566	0.2664	0.0755	0.3419	0.0000	517.6400	517.6400	0.0986	0.0000	520.1058
Maximum	**0.4838**	**2.2799**	**2.0054**	**5.6900e-003**	**0.5752**	**0.0815**	**0.6566**	**0.2664**	**0.0755**	**0.3419**	**0.0000**	**517.6400**	**517.6400**	**0.0986**	**0.0000**	**520.1058**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0249	0.2417	0.2151	4.8000e-004	0.0310	0.0105	0.0415	5.0400e-003	9.7900e-003	0.0148	0.0000	43.0397	43.0397	0.0104	0.0000	43.2987
2024	0.4838	2.2799	2.0054	5.6900e-003	0.5752	0.0815	0.6566	0.2664	0.0755	0.3419	0.0000	517.6396	517.6396	0.0986	0.0000	520.1054
Maximum	**0.4838**	**2.2799**	**2.0054**	**5.6900e-003**	**0.5752**	**0.0815**	**0.6566**	**0.2664**	**0.0755**	**0.3419**	**0.0000**	**517.6396**	**517.6396**	**0.0986**	**0.0000**	**520.1054**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**12-1-2023**	**2-29-2024**	0.7641	0.7641
2	**3-1-2024**	**5-31-2024**	1.1815	1.1815
3	**6-1-2024**	**8-31-2024**	0.5386	0.5386
4	**9-1-2024**	**9-30-2024**	0.1427	0.1427
		Highest	1.1815	1.1815

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2159	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2159**	**1.8000e-004**	**0.0198**	**0.0000**	**0.0000**	**7.0000e-005**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.0385**	**0.0385**	**1.0000e-004**	**0.0000**	**0.0410**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2159	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.2159**	**1.8000e-004**	**0.0198**	**0.0000**	**0.0000**	**7.0000e-005**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.0385**	**0.0385**	**1.0000e-004**	**0.0000**	**0.0410**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase 2A Construction - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2023	1/15/2024	5	32	
2	Excavation	Site Preparation	1/31/2024	3/15/2024	5	33	
3	Foundation	Grading	3/16/2024	5/15/2024	5	43	
4	Structural Framing	Building Construction	5/16/2024	7/15/2024	5	43	
5	Exterior Enclosure	Paving	7/16/2024	9/15/2024	5	44	
6	Interior	Architectural Coating	9/16/2024	12/31/2024	5	77	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 13.5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 77,100; Non-Residential Outdoor: 25,700; Striped Parking Area: 12,336 (Architectural Coating – sqft)

OffRoad Equipment

Phase 2A Construction - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Excavation	Rubber Tired Dozers	3	8.00	247	0.40
Excavation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Foundation	Excavators	2	8.00	158	0.38
Foundation	Graders	1	8.00	187	0.41
Foundation	Rubber Tired Dozers	1	8.00	247	0.40
Foundation	Scrapers	2	8.00	367	0.48
Foundation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Structural Framing	Cranes	1	7.00	231	0.29
Structural Framing	Forklifts	3	8.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structural Framing	Welders	1	8.00	46	0.45
Exterior Enclosure	Pavers	2	8.00	130	0.42
Exterior Enclosure	Paving Equipment	2	8.00	132	0.36
Exterior Enclosure	Rollers	2	8.00	80	0.38
Interior	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Excavation	7	20.00	15.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	8	50.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	9	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosure	6	20.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Interior	1	100.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0280	0.0000	0.0280	4.2400e-003	0.0000	4.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.2256	0.2063	4.1000e-004		0.0105	0.0105		9.7400e-003	9.7400e-003	0.0000	35.6917	35.6917	0.0100	0.0000	35.9416
Total	**0.0238**	**0.2256**	**0.2063**	**4.1000e-004**	**0.0280**	**0.0105**	**0.0385**	**4.2400e-003**	**9.7400e-003**	**0.0140**	**0.0000**	**35.6917**	**35.6917**	**0.0100**	**0.0000**	**35.9416**

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3000e-004	0.0157	4.4000e-003	6.0000e-005	1.4200e-003	4.0000e-005	1.4500e-003	3.9000e-004	3.0000e-005	4.2000e-004	0.0000	6.1231	6.1231	3.4000e-004	0.0000	6.1315
Worker	6.4000e-004	3.8000e-004	4.4900e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2249	1.2249	3.0000e-005	0.0000	1.2256
Total	**1.0700e-003**	**0.0161**	**8.8900e-003**	**7.0000e-005**	**2.9600e-003**	**5.0000e-005**	**3.0000e-003**	**8.0000e-004**	**4.0000e-005**	**8.4000e-004**	**0.0000**	**7.3481**	**7.3481**	**3.7000e-004**	**0.0000**	**7.3572**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0280	0.0000	0.0280	4.2400e-003	0.0000	4.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0238	0.2256	0.2063	4.1000e-004		0.0105	0.0105		9.7400e-003	9.7400e-003	0.0000	35.6916	35.6916	0.0100	0.0000	35.9415
Total	**0.0238**	**0.2256**	**0.2063**	**4.1000e-004**	**0.0280**	**0.0105**	**0.0385**	**4.2400e-003**	**9.7400e-003**	**0.0140**	**0.0000**	**35.6916**	**35.6916**	**0.0100**	**0.0000**	**35.9415**

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3000e-004	0.0157	4.4000e-003	6.0000e-005	1.4200e-003	4.0000e-005	1.4500e-003	3.9000e-004	3.0000e-005	4.2000e-004	0.0000	6.1231	6.1231	3.4000e-004	0.0000	6.1315
Worker	6.4000e-004	3.8000e-004	4.4900e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2249	1.2249	3.0000e-005	0.0000	1.2256
Total	**1.0700e-003**	**0.0161**	**8.8900e-003**	**7.0000e-005**	**2.9600e-003**	**5.0000e-005**	**3.0000e-003**	**8.0000e-004**	**4.0000e-005**	**8.4000e-004**	**0.0000**	**7.3481**	**7.3481**	**3.7000e-004**	**0.0000**	**7.3572**

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0147	0.0000	0.0147	2.2200e-003	0.0000	2.2200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.1148	0.1084	2.1000e-004		5.2800e-003	5.2800e-003		4.9100e-003	4.9100e-003	0.0000	18.6978	18.6978	5.2300e-003	0.0000	18.8286
Total	**0.0123**	**0.1148**	**0.1084**	**2.1000e-004**	**0.0147**	**5.2800e-003**	**0.0200**	**2.2200e-003**	**4.9100e-003**	**7.1300e-003**	**0.0000**	**18.6978**	**18.6978**	**5.2300e-003**	**0.0000**	**18.8286**

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-004	7.9300e-003	2.2500e-003	3.0000e-005	7.4000e-004	2.0000e-005	7.6000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	3.1871	3.1871	1.8000e-004	0.0000	3.1915
Worker	3.1000e-004	1.8000e-004	2.1800e-003	1.0000e-005	8.1000e-004	1.0000e-005	8.1000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6167	0.6167	1.0000e-005	0.0000	0.6170
Total	**5.3000e-004**	**8.1100e-003**	**4.4300e-003**	**4.0000e-005**	**1.5500e-003**	**3.0000e-005**	**1.5700e-003**	**4.1000e-004**	**2.0000e-005**	**4.4000e-004**	**0.0000**	**3.8038**	**3.8038**	**1.9000e-004**	**0.0000**	**3.8085**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0147	0.0000	0.0147	2.2200e-003	0.0000	2.2200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0123	0.1148	0.1084	2.1000e-004		5.2800e-003	5.2800e-003		4.9100e-003	4.9100e-003	0.0000	18.6978	18.6978	5.2300e-003	0.0000	18.8286
Total	**0.0123**	**0.1148**	**0.1084**	**2.1000e-004**	**0.0147**	**5.2800e-003**	**0.0200**	**2.2200e-003**	**4.9100e-003**	**7.1300e-003**	**0.0000**	**18.6978**	**18.6978**	**5.2300e-003**	**0.0000**	**18.8286**

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-004	7.9300e-003	2.2500e-003	3.0000e-005	7.4000e-004	2.0000e-005	7.6000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	3.1871	3.1871	1.8000e-004	0.0000	3.1915
Worker	3.1000e-004	1.8000e-004	2.1800e-003	1.0000e-005	8.1000e-004	1.0000e-005	8.1000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6167	0.6167	1.0000e-005	0.0000	0.6170
Total	**5.3000e-004**	**8.1100e-003**	**4.4300e-003**	**4.0000e-005**	**1.5500e-003**	**3.0000e-005**	**1.5700e-003**	**4.1000e-004**	**2.0000e-005**	**4.4000e-004**	**0.0000**	**3.8038**	**3.8038**	**1.9000e-004**	**0.0000**	**3.8085**

3.3 Excavation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3005	0.0000	0.3005	0.1642	0.0000	0.1642	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0439	0.4484	0.3025	6.3000e-004		0.0203	0.0203		0.0187	0.0187	0.0000	55.2042	55.2042	0.0179	0.0000	55.6505
Total	**0.0439**	**0.4484**	**0.3025**	**6.3000e-004**	**0.3005**	**0.0203**	**0.3207**	**0.1642**	**0.0187**	**0.1829**	**0.0000**	**55.2042**	**55.2042**	**0.0179**	**0.0000**	**55.6505**

3.3 Excavation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2300e-003	0.0446	0.0127	1.8000e-004	4.1700e-003	1.0000e-004	4.2700e-003	1.1400e-003	9.0000e-005	1.2400e-003	0.0000	17.9272	17.9272	9.9000e-004	0.0000	17.9519
Worker	9.4000e-004	5.5000e-004	6.5300e-003	2.0000e-005	2.4200e-003	2.0000e-005	2.4400e-003	6.4000e-004	1.0000e-005	6.6000e-004	0.0000	1.8501	1.8501	4.0000e-005	0.0000	1.8511
Total	**2.1700e-003**	**0.0452**	**0.0192**	**2.0000e-004**	**6.5900e-003**	**1.2000e-004**	**6.7100e-003**	**1.7800e-003**	**1.0000e-004**	**1.9000e-003**	**0.0000**	**19.7773**	**19.7773**	**1.0300e-003**	**0.0000**	**19.8030**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3005	0.0000	0.3005	0.1642	0.0000	0.1642	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0439	0.4484	0.3025	6.3000e-004		0.0203	0.0203		0.0187	0.0187	0.0000	55.2041	55.2041	0.0179	0.0000	55.6504
Total	**0.0439**	**0.4484**	**0.3025**	**6.3000e-004**	**0.3005**	**0.0203**	**0.3207**	**0.1642**	**0.0187**	**0.1829**	**0.0000**	**55.2041**	**55.2041**	**0.0179**	**0.0000**	**55.6504**

3.3 Excavation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2300e-003	0.0446	0.0127	1.8000e-004	4.1700e-003	1.0000e-004	4.2700e-003	1.1400e-003	9.0000e-005	1.2400e-003	0.0000	17.9272	17.9272	9.9000e-004	0.0000	17.9519
Worker	9.4000e-004	5.5000e-004	6.5300e-003	2.0000e-005	2.4200e-003	2.0000e-005	2.4400e-003	6.4000e-004	1.0000e-005	6.6000e-004	0.0000	1.8501	1.8501	4.0000e-005	0.0000	1.8511
Total	**2.1700e-003**	**0.0452**	**0.0192**	**2.0000e-004**	**6.5900e-003**	**1.2000e-004**	**6.7100e-003**	**1.7800e-003**	**1.0000e-004**	**1.9000e-003**	**0.0000**	**19.7773**	**19.7773**	**1.0300e-003**	**0.0000**	**19.8030**

3.4 Foundation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1692	0.0000	0.1692	0.0755	0.0000	0.0755	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0692	0.6961	0.5960	1.3300e-003		0.0287	0.0287		0.0264	0.0264	0.0000	117.2170	117.2170	0.0379	0.0000	118.1647
Total	**0.0692**	**0.6961**	**0.5960**	**1.3300e-003**	**0.1692**	**0.0287**	**0.1980**	**0.0755**	**0.0264**	**0.1019**	**0.0000**	**117.2170**	**117.2170**	**0.0379**	**0.0000**	**118.1647**

3.4 Foundation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2200e-003	0.1163	0.0330	4.8000e-004	0.0109	2.6000e-004	0.0111	2.9800e-003	2.5000e-004	3.2300e-003	0.0000	46.7195	46.7195	2.5700e-003	0.0000	46.7838
Worker	3.0600e-003	1.7800e-003	0.0213	7.0000e-005	7.9000e-003	5.0000e-005	7.9500e-003	2.1000e-003	5.0000e-005	2.1500e-003	0.0000	6.0268	6.0268	1.3000e-004	0.0000	6.0300
Total	**6.2800e-003**	**0.1180**	**0.0543**	**5.5000e-004**	**0.0188**	**3.1000e-004**	**0.0191**	**5.0800e-003**	**3.0000e-004**	**5.3800e-003**	**0.0000**	**52.7463**	**52.7463**	**2.7000e-003**	**0.0000**	**52.8138**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1692	0.0000	0.1692	0.0755	0.0000	0.0755	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0692	0.6961	0.5960	1.3300e-003		0.0287	0.0287		0.0264	0.0264	0.0000	117.2168	117.2168	0.0379	0.0000	118.1646
Total	**0.0692**	**0.6961**	**0.5960**	**1.3300e-003**	**0.1692**	**0.0287**	**0.1980**	**0.0755**	**0.0264**	**0.1019**	**0.0000**	**117.2168**	**117.2168**	**0.0379**	**0.0000**	**118.1646**

3.4 Foundation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2200e-003	0.1163	0.0330	4.8000e-004	0.0109	2.6000e-004	0.0111	2.9800e-003	2.5000e-004	3.2300e-003	0.0000	46.7195	46.7195	2.5700e-003	0.0000	46.7838
Worker	3.0600e-003	1.7800e-003	0.0213	7.0000e-005	7.9000e-003	5.0000e-005	7.9500e-003	2.1000e-003	5.0000e-005	2.1500e-003	0.0000	6.0268	6.0268	1.3000e-004	0.0000	6.0300
Total	**6.2800e-003**	**0.1180**	**0.0543**	**5.5000e-004**	**0.0188**	**3.1000e-004**	**0.0191**	**5.0800e-003**	**3.0000e-004**	**5.3800e-003**	**0.0000**	**52.7463**	**52.7463**	**2.7000e-003**	**0.0000**	**52.8138**

3.5 Structural Framing - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0316	0.2890	0.3476	5.8000e-004		0.0132	0.0132		0.0124	0.0124	0.0000	49.8476	49.8476	0.0118	0.0000	50.1423
Total	**0.0316**	**0.2890**	**0.3476**	**5.8000e-004**		**0.0132**	**0.0132**		**0.0124**	**0.0124**	**0.0000**	**49.8476**	**49.8476**	**0.0118**	**0.0000**	**50.1423**

3.5 Structural Framing - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1400e-003	0.0775	0.0220	3.2000e-004	7.2500e-003	1.7000e-004	7.4200e-003	1.9900e-003	1.6000e-004	2.1500e-003	0.0000	31.1463	31.1463	1.7100e-003	0.0000	31.1892
Worker	1.8400e-003	1.0700e-003	0.0128	4.0000e-005	4.7400e-003	3.0000e-005	4.7700e-003	1.2600e-003	3.0000e-005	1.2900e-003	0.0000	3.6161	3.6161	8.0000e-005	0.0000	3.6180
Total	**3.9800e-003**	**0.0786**	**0.0348**	**3.6000e-004**	**0.0120**	**2.0000e-004**	**0.0122**	**3.2500e-003**	**1.9000e-004**	**3.4400e-003**	**0.0000**	**34.7624**	**34.7624**	**1.7900e-003**	**0.0000**	**34.8072**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0316	0.2890	0.3476	5.8000e-004		0.0132	0.0132		0.0124	0.0124	0.0000	49.8475	49.8475	0.0118	0.0000	50.1422
Total	**0.0316**	**0.2890**	**0.3476**	**5.8000e-004**		**0.0132**	**0.0132**		**0.0124**	**0.0124**	**0.0000**	**49.8475**	**49.8475**	**0.0118**	**0.0000**	**50.1422**

3.5 Structural Framing - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1400e-003	0.0775	0.0220	3.2000e-004	7.2500e-003	1.7000e-004	7.4200e-003	1.9900e-003	1.6000e-004	2.1500e-003	0.0000	31.1463	31.1463	1.7100e-003	0.0000	31.1892
Worker	1.8400e-003	1.0700e-003	0.0128	4.0000e-005	4.7400e-003	3.0000e-005	4.7700e-003	1.2600e-003	3.0000e-005	1.2900e-003	0.0000	3.6161	3.6161	8.0000e-005	0.0000	3.6180
Total	**3.9800e-003**	**0.0786**	**0.0348**	**3.6000e-004**	**0.0120**	**2.0000e-004**	**0.0122**	**3.2500e-003**	**1.9000e-004**	**3.4400e-003**	**0.0000**	**34.7624**	**34.7624**	**1.7900e-003**	**0.0000**	**34.8072**

3.6 Exterior Enclosure - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0217	0.2095	0.3218	5.0000e-004		0.0103	0.0103		9.4800e-003	9.4800e-003	0.0000	44.0584	44.0584	0.0143	0.0000	44.4146
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0217**	**0.2095**	**0.3218**	**5.0000e-004**		**0.0103**	**0.0103**		**9.4800e-003**	**9.4800e-003**	**0.0000**	**44.0584**	**44.0584**	**0.0143**	**0.0000**	**44.4146**

3.6 Exterior Enclosure - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1900e-003	0.0793	0.0225	3.3000e-004	7.4200e-003	1.8000e-004	7.5900e-003	2.0400e-003	1.7000e-004	2.2000e-003	0.0000	31.8707	31.8707	1.7500e-003	0.0000	31.9145
Worker	1.2500e-003	7.3000e-004	8.7000e-003	3.0000e-005	3.2300e-003	2.0000e-005	3.2500e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.4668	2.4668	5.0000e-005	0.0000	2.4681
Total	**3.4400e-003**	**0.0800**	**0.0312**	**3.6000e-004**	**0.0107**	**2.0000e-004**	**0.0108**	**2.9000e-003**	**1.9000e-004**	**3.0800e-003**	**0.0000**	**34.3374**	**34.3374**	**1.8000e-003**	**0.0000**	**34.3826**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0217	0.2095	0.3218	5.0000e-004		0.0103	0.0103		9.4800e-003	9.4800e-003	0.0000	44.0583	44.0583	0.0143	0.0000	44.4146
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0217**	**0.2095**	**0.3218**	**5.0000e-004**		**0.0103**	**0.0103**		**9.4800e-003**	**9.4800e-003**	**0.0000**	**44.0583**	**44.0583**	**0.0143**	**0.0000**	**44.4146**

3.6 Exterior Enclosure - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1900e-003	0.0793	0.0225	3.3000e-004	7.4200e-003	1.8000e-004	7.5900e-003	2.0400e-003	1.7000e-004	2.2000e-003	0.0000	31.8707	31.8707	1.7500e-003	0.0000	31.9145
Worker	1.2500e-003	7.3000e-004	8.7000e-003	3.0000e-005	3.2300e-003	2.0000e-005	3.2500e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.4668	2.4668	5.0000e-005	0.0000	2.4681
Total	**3.4400e-003**	**0.0800**	**0.0312**	**3.6000e-004**	**0.0107**	**2.0000e-004**	**0.0108**	**2.9000e-003**	**1.9000e-004**	**3.0800e-003**	**0.0000**	**34.3374**	**34.3374**	**1.8000e-003**	**0.0000**	**34.3826**

3.7 Interior - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2668					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9600e-003	0.0469	0.0697	1.1000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	9.8300	9.8300	5.5000e-004	0.0000	9.8439
Total	**0.2738**	**0.0469**	**0.0697**	**1.1000e-004**		**2.3500e-003**	**2.3500e-003**		**2.3500e-003**	**2.3500e-003**	**0.0000**	**9.8300**	**9.8300**	**5.5000e-004**	**0.0000**	**9.8439**

3.7 Interior - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8400e-003	0.1388	0.0394	5.7000e-004	0.0130	3.1000e-004	0.0133	3.5600e-003	2.9000e-004	3.8600e-003	0.0000	55.7736	55.7736	3.0700e-003	0.0000	55.8504
Worker	0.0110	6.3700e-003	0.0762	2.4000e-004	0.0283	1.8000e-004	0.0285	7.5200e-003	1.7000e-004	7.6900e-003	0.0000	21.5843	21.5843	4.6000e-004	0.0000	21.5958
Total	**0.0148**	**0.1452**	**0.1156**	**8.1000e-004**	**0.0413**	**4.9000e-004**	**0.0418**	**0.0111**	**4.6000e-004**	**0.0116**	**0.0000**	**77.3579**	**77.3579**	**3.5300e-003**	**0.0000**	**77.4462**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2668					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9600e-003	0.0469	0.0697	1.1000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	9.8300	9.8300	5.5000e-004	0.0000	9.8439
Total	**0.2738**	**0.0469**	**0.0697**	**1.1000e-004**		**2.3500e-003**	**2.3500e-003**		**2.3500e-003**	**2.3500e-003**	**0.0000**	**9.8300**	**9.8300**	**5.5000e-004**	**0.0000**	**9.8439**

3.7 Interior - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8400e-003	0.1388	0.0394	5.7000e-004	0.0130	3.1000e-004	0.0133	3.5600e-003	2.9000e-004	3.8600e-003	0.0000	55.7736	55.7736	3.0700e-003	0.0000	55.8504
Worker	0.0110	6.3700e-003	0.0762	2.4000e-004	0.0283	1.8000e-004	0.0285	7.5200e-003	1.7000e-004	7.6900e-003	0.0000	21.5843	21.5843	4.6000e-004	0.0000	21.5958
Total	**0.0148**	**0.1452**	**0.1156**	**8.1000e-004**	**0.0413**	**4.9000e-004**	**0.0418**	**0.0111**	**4.6000e-004**	**0.0116**	**0.0000**	**77.3579**	**77.3579**	**3.5300e-003**	**0.0000**	**77.4462**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Strip Mall	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Strip Mall	10.00	5.00	6.50	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568817	0.036545	0.209097	0.111572	0.015710	0.004830	0.018344	0.024276	0.001951	0.001803	0.005698	0.000617	0.000741
Strip Mall	0.568817	0.036545	0.209097	0.111572	0.015710	0.004830	0.018344	0.024276	0.001951	0.001803	0.005698	0.000617	0.000741

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2159	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410
Unmitigated	0.2159	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8200e-003	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410
Total	**0.2159**	**1.8000e-004**	**0.0198**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.0385**	**0.0385**	**1.0000e-004**	**0.0000**	**0.0410**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2140					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8200e-003	1.8000e-004	0.0198	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005	0.0000	0.0385	0.0385	1.0000e-004	0.0000	0.0410
Total	**0.2159**	**1.8000e-004**	**0.0198**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**	**0.0000**	**0.0385**	**0.0385**	**1.0000e-004**	**0.0000**	**0.0410**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2A Construction

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,500.00	Space	13.50	205,600.00	0
Strip Mall	51.40	1000sqft	1.18	51,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2025
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 2A Construction - Sacramento County, Summer

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Demolition -

Grading - 22,844 CY exported under excavation phase

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	25700	0
tblAreaCoating	Area_Nonresidential_Interior	77100	0
tblAreaCoating	Area_Parking	12336	0
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	30.00	43.00
tblConstructionPhase	NumDays	300.00	43.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	20.00	77.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	5.33	0.00
tblEnergyUse	NT24E	0.19	0.00

Phase 2A Construction - Sacramento County, Summer

tblEnergyUse	NT24E	2.98	0.00
tblEnergyUse	NT24NG	0.93	0.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24E	3.26	0.00
tblEnergyUse	T24NG	4.49	0.00
tblGrading	AcresOfGrading	107.50	75.00
tblGrading	MaterialExported	0.00	22,844.00
tblLandUse	LandUseSquareFeet	600,000.00	205,600.00
tblSolidWaste	SolidWasteGenerationRate	53.97	0.00
tblTripsAndVMT	HaulingTripNumber	378.00	0.00
tblTripsAndVMT	HaulingTripNumber	2,856.00	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	15.00
tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	42.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT

tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblTripsAndVMT	WorkerTripNumber	20.00	50.00
tblTripsAndVMT	WorkerTripNumber	103.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	21.00	100.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	3,807,327.60	0.00
tblWater	OutdoorWaterUseRate	2,333,523.37	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.3793	22.9720	20.5602	0.0463	2.9595	1.0018	3.9613	0.4824	0.9320	1.4145	0.0000	4,536.3015	4,536.3015	1.0873	0.0000	4,563.4850
2024	7.5382	37.7167	30.3994	0.0879	18.6223	1.3496	19.8585	10.0640	1.2421	11.2016	0.0000	8,762.6314	8,762.6314	2.0807	0.0000	8,814.6487
Maximum	**7.5382**	**37.7167**	**30.3994**	**0.0879**	**18.6223**	**1.3496**	**19.8585**	**10.0640**	**1.2421**	**11.2016**	**0.0000**	**8,762.6314**	**8,762.6314**	**2.0807**	**0.0000**	**8,814.6487**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.3793	22.9720	20.5602	0.0463	2.9595	1.0018	3.9613	0.4824	0.9320	1.4145	0.0000	4,536.3015	4,536.3015	1.0873	0.0000	4,563.4850
2024	7.5382	37.7167	30.3994	0.0879	18.6223	1.3496	19.8585	10.0640	1.2421	11.2016	0.0000	8,762.6314	8,762.6314	2.0807	0.0000	8,814.6487
Maximum	**7.5382**	**37.7167**	**30.3994**	**0.0879**	**18.6223**	**1.3496**	**19.8585**	**10.0640**	**1.2421**	**11.2016**	**0.0000**	**8,762.6314**	**8,762.6314**	**2.0807**	**0.0000**	**8,814.6487**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1873	1.4300e-003	0.1580	1.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004		0.3395	0.3395	8.8000e-004		0.3616
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.1873**	**1.4300e-003**	**0.1580**	**1.0000e-005**	**0.0000**	**5.6000e-004**	**5.6000e-004**	**0.0000**	**5.6000e-004**	**5.6000e-004**		**0.3395**	**0.3395**	**8.8000e-004**	**0.0000**	**0.3616**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.1873	1.4300e-003	0.1580	1.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004		0.3395	0.3395	8.8000e-004		0.3616
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**1.1873**	**1.4300e-003**	**0.1580**	**1.0000e-005**	**0.0000**	**5.6000e-004**	**5.6000e-004**	**0.0000**	**5.6000e-004**	**5.6000e-004**		**0.3395**	**0.3395**	**8.8000e-004**	**0.0000**	**0.3616**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2023	1/15/2024	5	32	
2	Excavation	Site Preparation	1/31/2024	3/15/2024	5	33	
3	Foundation	Grading	3/16/2024	5/15/2024	5	43	
4	Structural Framing	Building Construction	5/16/2024	7/15/2024	5	43	
5	Exterior Enclosure	Paving	7/16/2024	9/15/2024	5	44	
6	Interior	Architectural Coating	9/16/2024	12/31/2024	5	77	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 13.5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 77,100; Non-Residential Outdoor: 25,700; Striped Parking Area: 12,336 (Architectural Coating – sqft)

OffRoad Equipment

Phase 2A Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Excavation	Rubber Tired Dozers	3	8.00	247	0.40
Excavation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Foundation	Excavators	2	8.00	158	0.38
Foundation	Graders	1	8.00	187	0.41
Foundation	Rubber Tired Dozers	1	8.00	247	0.40
Foundation	Scrapers	2	8.00	367	0.48
Foundation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Structural Framing	Cranes	1	7.00	231	0.29
Structural Framing	Forklifts	3	8.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structural Framing	Welders	1	8.00	46	0.45
Exterior Enclosure	Pavers	2	8.00	130	0.42
Exterior Enclosure	Paving Equipment	2	8.00	132	0.36
Exterior Enclosure	Rollers	2	8.00	80	0.38
Interior	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase 2A Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Excavation	7	20.00	15.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	8	50.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	9	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosure	6	20.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Interior	1	100.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6683	0.0000	2.6683	0.4040	0.0000	0.4040			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**2.6683**	**0.9975**	**3.6658**	**0.4040**	**0.9280**	**1.3320**		**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0403	1.4543	0.4097	6.0200e-003	0.1391	3.2900e-003	0.1424	0.0381	3.1500e-003	0.0412		647.0758	647.0758	0.0347		647.9429
Worker	0.0699	0.0332	0.5072	1.4300e-003	0.1521	9.8000e-004	0.1531	0.0404	9.0000e-004	0.0413		142.2416	142.2416	3.2900e-003		142.3238
Total	**0.1102**	**1.4876**	**0.9169**	**7.4500e-003**	**0.2912**	**4.2700e-003**	**0.2955**	**0.0784**	**4.0500e-003**	**0.0825**		**789.3175**	**789.3175**	**0.0380**		**790.2667**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6683	0.0000	2.6683	0.4040	0.0000	0.4040			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	**2.2691**	**21.4844**	**19.6434**	**0.0388**	**2.6683**	**0.9975**	**3.6658**	**0.4040**	**0.9280**	**1.3320**	**0.0000**	**3,746.9840**	**3,746.9840**	**1.0494**		**3,773.2183**

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0403	1.4543	0.4097	6.0200e-003	0.1391	3.2900e-003	0.1424	0.0381	3.1500e-003	0.0412		647.0758	647.0758	0.0347		647.9429
Worker	0.0699	0.0332	0.5072	1.4300e-003	0.1521	9.8000e-004	0.1531	0.0404	9.0000e-004	0.0413		142.2416	142.2416	3.2900e-003		142.3238
Total	**0.1102**	**1.4876**	**0.9169**	**7.4500e-003**	**0.2912**	**4.2700e-003**	**0.2955**	**0.0784**	**4.0500e-003**	**0.0825**		**789.3175**	**789.3175**	**0.0380**		**790.2667**

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6683	0.0000	2.6683	0.4040	0.0000	0.4040			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922		3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**2.6683**	**0.9602**	**3.6285**	**0.4040**	**0.8922**	**1.2962**		**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0394	1.4039	0.4001	5.9800e-003	0.1390	3.1400e-003	0.1422	0.0380	3.0100e-003	0.0411		642.9654	642.9654	0.0346		643.8294
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1051**	**1.4339**	**0.8706**	**7.3500e-003**	**0.2912**	**4.0900e-003**	**0.2953**	**0.0784**	**3.8900e-003**	**0.0823**		**779.6704**	**779.6704**	**0.0375**		**780.6086**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6683	0.0000	2.6683	0.4040	0.0000	0.4040			0.0000			0.0000
Off-Road	2.2437	20.8781	19.7073	0.0388		0.9602	0.9602		0.8922	0.8922	0.0000	3,747.4228	3,747.4228	1.0485		3,773.6345
Total	**2.2437**	**20.8781**	**19.7073**	**0.0388**	**2.6683**	**0.9602**	**3.6285**	**0.4040**	**0.8922**	**1.2962**	**0.0000**	**3,747.4228**	**3,747.4228**	**1.0485**		**3,773.6345**

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0394	1.4039	0.4001	5.9800e-003	0.1390	3.1400e-003	0.1422	0.0380	3.0100e-003	0.0411		642.9654	642.9654	0.0346		643.8294
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1051**	**1.4339**	**0.8706**	**7.3500e-003**	**0.2912**	**4.0900e-003**	**0.2953**	**0.0784**	**3.8900e-003**	**0.0823**		**779.6704**	**779.6704**	**0.0375**		**780.6086**

3.3 Excavation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2094	0.0000	18.2094	9.9524	0.0000	9.9524			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**18.2094**	**1.2294**	**19.4388**	**9.9524**	**1.1310**	**11.0834**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

3.3 Excavation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0739	2.6323	0.7502	0.0112	0.2607	5.9000e-003	0.2666	0.0713	5.6400e-003	0.0770		1,205.5601	1,205.5601	0.0648		1,207.1802
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1395**	**2.6623**	**1.2207**	**0.0126**	**0.4129**	**6.8500e-003**	**0.4197**	**0.1117**	**6.5200e-003**	**0.1182**		**1,342.2651**	**1,342.2651**	**0.0678**		**1,343.9593**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2094	0.0000	18.2094	9.9524	0.0000	9.9524			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**18.2094**	**1.2294**	**19.4388**	**9.9524**	**1.1310**	**11.0834**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

3.3 Excavation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0739	2.6323	0.7502	0.0112	0.2607	5.9000e-003	0.2666	0.0713	5.6400e-003	0.0770		1,205.5601	1,205.5601	0.0648		1,207.1802
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1395**	**2.6623**	**1.2207**	**0.0126**	**0.4129**	**6.8500e-003**	**0.4197**	**0.1117**	**6.5200e-003**	**0.1182**		**1,342.2651**	**1,342.2651**	**0.0678**		**1,343.9593**

3.4 Foundation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.8718	0.0000	7.8718	3.5100	0.0000	3.5100			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**7.8718**	**1.3354**	**9.2072**	**3.5100**	**1.2286**	**4.7385**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

3.4 Foundation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1477	5.2646	1.5004	0.0224	0.5214	0.0118	0.5332	0.1427	0.0113	0.1539		2,411.1202	2,411.1202	0.1296		2,414.3604
Worker	0.1642	0.0751	1.1762	3.4300e-003	0.3804	2.3900e-003	0.3827	0.1009	2.2000e-003	0.1031		341.7625	341.7625	7.4100e-003		341.9478
Total	**0.3119**	**5.3397**	**2.6766**	**0.0259**	**0.9018**	**0.0142**	**0.9159**	**0.2435**	**0.0135**	**0.2570**		**2,752.8827**	**2,752.8827**	**0.1370**		**2,756.3082**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.8718	0.0000	7.8718	3.5100	0.0000	3.5100			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**7.8718**	**1.3354**	**9.2072**	**3.5100**	**1.2286**	**4.7385**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

3.4 Foundation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1477	5.2646	1.5004	0.0224	0.5214	0.0118	0.5332	0.1427	0.0113	0.1539		2,411.1202	2,411.1202	0.1296		2,414.3604
Worker	0.1642	0.0751	1.1762	3.4300e-003	0.3804	2.3900e-003	0.3827	0.1009	2.2000e-003	0.1031		341.7625	341.7625	7.4100e-003		341.9478
Total	**0.3119**	**5.3397**	**2.6766**	**0.0259**	**0.9018**	**0.0142**	**0.9159**	**0.2435**	**0.0135**	**0.2570**		**2,752.8827**	**2,752.8827**	**0.1370**		**2,756.3082**

3.5 Structural Framing - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Structural Framing - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0985	3.5098	1.0002	0.0150	0.3476	7.8600e-003	0.3555	0.0951	7.5200e-003	0.1026		1,607.4135	1,607.4135	0.0864		1,609.5736
Worker	0.0985	0.0451	0.7057	2.0600e-003	0.2282	1.4300e-003	0.2296	0.0605	1.3200e-003	0.0619		205.0575	205.0575	4.4500e-003		205.1687
Total	**0.1970**	**3.5548**	**1.7060**	**0.0170**	**0.5758**	**9.2900e-003**	**0.5851**	**0.1556**	**8.8400e-003**	**0.1645**		**1,812.4710**	**1,812.4710**	**0.0909**		**1,814.7423**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Structural Framing - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0985	3.5098	1.0002	0.0150	0.3476	7.8600e-003	0.3555	0.0951	7.5200e-003	0.1026		1,607.4135	1,607.4135	0.0864		1,609.5736
Worker	0.0985	0.0451	0.7057	2.0600e-003	0.2282	1.4300e-003	0.2296	0.0605	1.3200e-003	0.0619		205.0575	205.0575	4.4500e-003		205.1687
Total	**0.1970**	**3.5548**	**1.7060**	**0.0170**	**0.5758**	**9.2900e-003**	**0.5851**	**0.1556**	**8.8400e-003**	**0.1645**		**1,812.4710**	**1,812.4710**	**0.0909**		**1,814.7423**

3.6 Exterior Enclosure - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Exterior Enclosure - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0985	3.5098	1.0002	0.0150	0.3476	7.8600e-003	0.3555	0.0951	7.5200e-003	0.1026		1,607.4135	1,607.4135	0.0864		1,609.5736
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1642**	**3.5398**	**1.4707**	**0.0163**	**0.4998**	**8.8100e-003**	**0.5086**	**0.1355**	**8.4000e-003**	**0.1439**		**1,744.1185**	**1,744.1185**	**0.0894**		**1,746.3527**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Exterior Enclosure - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0985	3.5098	1.0002	0.0150	0.3476	7.8600e-003	0.3555	0.0951	7.5200e-003	0.1026		1,607.4135	1,607.4135	0.0864		1,609.5736
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1642**	**3.5398**	**1.4707**	**0.0163**	**0.4998**	**8.8100e-003**	**0.5086**	**0.1355**	**8.4000e-003**	**0.1439**		**1,744.1185**	**1,744.1185**	**0.0894**		**1,746.3527**

3.7 Interior - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.9306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**7.1114**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Interior - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0985	3.5098	1.0002	0.0150	0.3476	7.8600e-003	0.3555	0.0951	7.5200e-003	0.1026		1,607.4135	1,607.4135	0.0864		1,609.5736
Worker	0.3284	0.1502	2.3524	6.8600e-003	0.7607	4.7700e-003	0.7655	0.2018	4.3900e-003	0.2062		683.5250	683.5250	0.0148		683.8957
Total	**0.4268**	**3.6599**	**3.3526**	**0.0218**	**1.1083**	**0.0126**	**1.1209**	**0.2969**	**0.0119**	**0.3088**		**2,290.9385**	**2,290.9385**	**0.1012**		**2,293.4692**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.9306					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**7.1114**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Interior - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0985	3.5098	1.0002	0.0150	0.3476	7.8600e-003	0.3555	0.0951	7.5200e-003	0.1026		1,607.4135	1,607.4135	0.0864		1,609.5736
Worker	0.3284	0.1502	2.3524	6.8600e-003	0.7607	4.7700e-003	0.7655	0.2018	4.3900e-003	0.2062		683.5250	683.5250	0.0148		683.8957
Total	**0.4268**	**3.6599**	**3.3526**	**0.0218**	**1.1083**	**0.0126**	**1.1209**	**0.2969**	**0.0119**	**0.3088**		**2,290.9385**	**2,290.9385**	**0.1012**		**2,293.4692**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Strip Mall	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Strip Mall	10.00	5.00	6.50	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.568817	0.036545	0.209097	0.111572	0.015710	0.004830	0.018344	0.024276	0.001951	0.001803	0.005698	0.000617	0.000741
Strip Mall	0.568817	0.036545	0.209097	0.111572	0.015710	0.004830	0.018344	0.024276	0.001951	0.001803	0.005698	0.000617	0.000741

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.1873	1.4300e-003	0.1580	1.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004		0.3395	0.3395	8.8000e-004		0.3616
Unmitigated	1.1873	1.4300e-003	0.1580	1.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004		0.3395	0.3395	8.8000e-004		0.3616

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1728					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0146	1.4300e-003	0.1580	1.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004		0.3395	0.3395	8.8000e-004		0.3616
Total	**1.1873**	**1.4300e-003**	**0.1580**	**1.0000e-005**		**5.6000e-004**	**5.6000e-004**		**5.6000e-004**	**5.6000e-004**		**0.3395**	**0.3395**	**8.8000e-004**		**0.3616**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1728					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0146	1.4300e-003	0.1580	1.0000e-005		5.6000e-004	5.6000e-004		5.6000e-004	5.6000e-004		0.3395	0.3395	8.8000e-004		0.3616
Total	**1.1873**	**1.4300e-003**	**0.1580**	**1.0000e-005**		**5.6000e-004**	**5.6000e-004**		**5.6000e-004**	**5.6000e-004**		**0.3395**	**0.3395**	**8.8000e-004**		**0.3616**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2B Construction

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	103.21	1000sqft	2.37	103,210.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 2B Construction - Sacramento County, Annual

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Demolition -

Grading - No grading or excavating

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	51605	0
tblAreaCoating	Area_Nonresidential_Interior	154815	0
tblConstructionPhase	NumDays	10.00	220.00
tblConstructionPhase	NumDays	220.00	109.00
tblConstructionPhase	NumDays	10.00	53.00
tblConstructionPhase	NumDays	3.00	34.00
tblEnergyUse	LightingElect	4.98	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	T24E	9.18	0.00
tblEnergyUse	T24NG	57.91	0.00
tblGrading	AcresOfGrading	51.00	0.00

tblSolidWaste	SolidWasteGenerationRate	1,114.67	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	17.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	7.00	100.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	33.00	45.00
tblTripsAndVMT	WorkerTripNumber	15.00	30.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblWater	IndoorWaterUseRate	12,950,846.28	0.00
tblWater	OutdoorWaterUseRate	2,466,827.86	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.6183	2.3467	1.6617	8.2900e-003	0.2177	0.0444	0.2621	0.0590	0.0425	0.1014	0.0000	777.4350	777.4350	0.0637	0.0000	779.0266
2025	0.0936	0.5209	0.5169	1.8000e-003	0.0394	0.0131	0.0525	0.0107	0.0122	0.0229	0.0000	166.9998	166.9998	0.0210	0.0000	167.5254
Maximum	**0.6183**	**2.3467**	**1.6617**	**8.2900e-003**	**0.2177**	**0.0444**	**0.2621**	**0.0590**	**0.0425**	**0.1014**	**0.0000**	**777.4350**	**777.4350**	**0.0637**	**0.0000**	**779.0266**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.6183	2.3467	1.6617	8.2900e-003	0.2177	0.0444	0.2621	0.0590	0.0425	0.1014	0.0000	777.4348	777.4348	0.0637	0.0000	779.0264
2025	0.0936	0.5209	0.5169	1.8000e-003	0.0394	0.0131	0.0525	0.0107	0.0122	0.0229	0.0000	166.9997	166.9997	0.0210	0.0000	167.5253
Maximum	**0.6183**	**2.3467**	**1.6617**	**8.2900e-003**	**0.2177**	**0.0444**	**0.2621**	**0.0590**	**0.0425**	**0.1014**	**0.0000**	**777.4348**	**777.4348**	**0.0637**	**0.0000**	**779.0264**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**4-1-2024**	**6-30-2024**	0.5542	0.5542
2	**7-1-2024**	**9-30-2024**	1.1508	1.1508
3	**10-1-2024**	**12-31-2024**	1.2350	1.2350
4	**1-1-2025**	**3-31-2025**	0.6093	0.6093
		Highest	1.2350	1.2350

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4032	1.0000e-005	1.3100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4032**	**1.0000e-005**	**1.3100e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.5600e-003**	**2.5600e-003**	**1.0000e-005**	**0.0000**	**2.7300e-003**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4032	1.0000e-005	1.3100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.4032**	**1.0000e-005**	**1.3100e-003**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**2.5600e-003**	**2.5600e-003**	**1.0000e-005**	**0.0000**	**2.7300e-003**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase 2B Construction - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Interior	Architectural Coating	4/1/2024	1/31/2025	5	220	
2	Site Preparation	Site Preparation	7/1/2024	8/15/2024	5	34	
3	Structural Framing	Building Construction	8/16/2024	1/15/2025	5	109	
4	Exterior Enclosure	Paving	1/16/2025	3/31/2025	5	53	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 154,815; Non-Residential Outdoor: 51,605; Striped Parking Area: 0 (Architectural Coating – sqft)

<u>OffRoad Equipment</u>

Phase 2B Construction - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Structural Framing	Cranes	1	8.00	231	0.29
Structural Framing	Forklifts	2	7.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Structural Framing	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Structural Framing	Welders	3	8.00	46	0.45
Exterior Enclosure	Cement and Mortar Mixers	1	8.00	9	0.56
Exterior Enclosure	Pavers	1	8.00	130	0.42
Exterior Enclosure	Paving Equipment	1	8.00	132	0.36
Exterior Enclosure	Rollers	2	8.00	80	0.38
Exterior Enclosure	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Interior	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	8	45.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosure	6	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Interior	1	100.00	60.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Interior - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0178	0.1201	0.1783	2.9000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003	0.0000	25.1496	25.1496	1.4200e-003	0.0000	25.1850
Total	**0.4462**	**0.1201**	**0.1783**	**2.9000e-004**		**6.0000e-003**	**6.0000e-003**		**6.0000e-003**	**6.0000e-003**	**0.0000**	**25.1496**	**25.1496**	**1.4200e-003**	**0.0000**	**25.1850**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0295	1.0653	0.3023	4.3900e-003	0.0996	2.3700e-003	0.1020	0.0273	2.2600e-003	0.0296	0.0000	428.0808	428.0808	0.0236	0.0000	428.6698
Worker	0.0281	0.0163	0.1948	6.1000e-004	0.0723	4.7000e-004	0.0728	0.0192	4.3000e-004	0.0197	0.0000	55.2221	55.2221	1.1800e-003	0.0000	55.2517
Total	**0.0575**	**1.0816**	**0.4972**	**5.0000e-003**	**0.1720**	**2.8400e-003**	**0.1748**	**0.0466**	**2.6900e-003**	**0.0493**	**0.0000**	**483.3029**	**483.3029**	**0.0247**	**0.0000**	**483.9215**

3.2 Interior - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0178	0.1201	0.1783	2.9000e-004		6.0000e-003	6.0000e-003		6.0000e-003	6.0000e-003	0.0000	25.1495	25.1495	1.4200e-003	0.0000	25.1849
Total	**0.4462**	**0.1201**	**0.1783**	**2.9000e-004**		**6.0000e-003**	**6.0000e-003**		**6.0000e-003**	**6.0000e-003**	**0.0000**	**25.1495**	**25.1495**	**1.4200e-003**	**0.0000**	**25.1849**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0295	1.0653	0.3023	4.3900e-003	0.0996	2.3700e-003	0.1020	0.0273	2.2600e-003	0.0296	0.0000	428.0808	428.0808	0.0236	0.0000	428.6698
Worker	0.0281	0.0163	0.1948	6.1000e-004	0.0723	4.7000e-004	0.0728	0.0192	4.3000e-004	0.0197	0.0000	55.2221	55.2221	1.1800e-003	0.0000	55.2517
Total	**0.0575**	**1.0816**	**0.4972**	**5.0000e-003**	**0.1720**	**2.8400e-003**	**0.1748**	**0.0466**	**2.6900e-003**	**0.0493**	**0.0000**	**483.3029**	**483.3029**	**0.0247**	**0.0000**	**483.9215**

3.2 Interior - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0500					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	0.0132	0.0208	3.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	2.9362	2.9362	1.6000e-004	0.0000	2.9403
Total	**0.0520**	**0.0132**	**0.0208**	**3.0000e-005**		**5.9000e-004**	**5.9000e-004**		**5.9000e-004**	**5.9000e-004**	**0.0000**	**2.9362**	**2.9362**	**1.6000e-004**	**0.0000**	**2.9403**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3700e-003	0.1202	0.0346	5.1000e-004	0.0116	2.6000e-004	0.0119	3.1900e-003	2.5000e-004	3.4400e-003	0.0000	49.6846	49.6846	2.7400e-003	0.0000	49.7531
Worker	3.0900e-003	1.7300e-003	0.0211	7.0000e-005	8.4500e-003	5.0000e-005	8.5000e-003	2.2500e-003	5.0000e-005	2.3000e-003	0.0000	6.1891	6.1891	1.2000e-004	0.0000	6.1923
Total	**6.4600e-003**	**0.1219**	**0.0557**	**5.8000e-004**	**0.0201**	**3.1000e-004**	**0.0204**	**5.4400e-003**	**3.0000e-004**	**5.7400e-003**	**0.0000**	**55.8737**	**55.8737**	**2.8600e-003**	**0.0000**	**55.9453**

3.2 Interior - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0500					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9600e-003	0.0132	0.0208	3.0000e-005		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	2.9362	2.9362	1.6000e-004	0.0000	2.9402
Total	**0.0520**	**0.0132**	**0.0208**	**3.0000e-005**		**5.9000e-004**	**5.9000e-004**		**5.9000e-004**	**5.9000e-004**	**0.0000**	**2.9362**	**2.9362**	**1.6000e-004**	**0.0000**	**2.9402**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3700e-003	0.1202	0.0346	5.1000e-004	0.0116	2.6000e-004	0.0119	3.1900e-003	2.5000e-004	3.4400e-003	0.0000	49.6846	49.6846	2.7400e-003	0.0000	49.7531
Worker	3.0900e-003	1.7300e-003	0.0211	7.0000e-005	8.4500e-003	5.0000e-005	8.5000e-003	2.2500e-003	5.0000e-005	2.3000e-003	0.0000	6.1891	6.1891	1.2000e-004	0.0000	6.1923
Total	**6.4600e-003**	**0.1219**	**0.0557**	**5.8000e-004**	**0.0201**	**3.1000e-004**	**0.0204**	**5.4400e-003**	**3.0000e-004**	**5.7400e-003**	**0.0000**	**55.8737**	**55.8737**	**2.8600e-003**	**0.0000**	**55.9453**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.2230	0.1629	4.2000e-004		8.4500e-003	8.4500e-003		7.7700e-003	7.7700e-003	0.0000	36.6068	36.6068	0.0118	0.0000	36.9028
Total	**0.0211**	**0.2230**	**0.1629**	**4.2000e-004**	**0.0000**	**8.4500e-003**	**8.4500e-003**	**0.0000**	**7.7700e-003**	**7.7700e-003**	**0.0000**	**36.6068**	**36.6068**	**0.0118**	**0.0000**	**36.9028**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8000e-004	0.0245	6.9600e-003	1.0000e-004	2.2900e-003	5.0000e-005	2.3500e-003	6.3000e-004	5.0000e-005	6.8000e-004	0.0000	9.8509	9.8509	5.4000e-004	0.0000	9.8645
Worker	9.7000e-004	5.6000e-004	6.7300e-003	2.0000e-005	2.5000e-003	2.0000e-005	2.5100e-003	6.6000e-004	1.0000e-005	6.8000e-004	0.0000	1.9061	1.9061	4.0000e-005	0.0000	1.9072
Total	**1.6500e-003**	**0.0251**	**0.0137**	**1.2000e-004**	**4.7900e-003**	**7.0000e-005**	**4.8600e-003**	**1.2900e-003**	**6.0000e-005**	**1.3600e-003**	**0.0000**	**11.7571**	**11.7571**	**5.8000e-004**	**0.0000**	**11.7716**

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.2230	0.1629	4.2000e-004		8.4500e-003	8.4500e-003		7.7700e-003	7.7700e-003	0.0000	36.6067	36.6067	0.0118	0.0000	36.9027
Total	**0.0211**	**0.2230**	**0.1629**	**4.2000e-004**	**0.0000**	**8.4500e-003**	**8.4500e-003**	**0.0000**	**7.7700e-003**	**7.7700e-003**	**0.0000**	**36.6067**	**36.6067**	**0.0118**	**0.0000**	**36.9027**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8000e-004	0.0245	6.9600e-003	1.0000e-004	2.2900e-003	5.0000e-005	2.3500e-003	6.3000e-004	5.0000e-005	6.8000e-004	0.0000	9.8509	9.8509	5.4000e-004	0.0000	9.8645
Worker	9.7000e-004	5.6000e-004	6.7300e-003	2.0000e-005	2.5000e-003	2.0000e-005	2.5100e-003	6.6000e-004	1.0000e-005	6.8000e-004	0.0000	1.9061	1.9061	4.0000e-005	0.0000	1.9072
Total	**1.6500e-003**	**0.0251**	**0.0137**	**1.2000e-004**	**4.7900e-003**	**7.0000e-005**	**4.8600e-003**	**1.2900e-003**	**6.0000e-005**	**1.3600e-003**	**0.0000**	**11.7571**	**11.7571**	**5.8000e-004**	**0.0000**	**11.7716**

3.4 Structural Framing - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0783	0.6284	0.6909	1.2300e-003		0.0264	0.0264		0.0253	0.0253	0.0000	101.7798	101.7798	0.0190	0.0000	102.2537
Total	**0.0783**	**0.6284**	**0.6909**	**1.2300e-003**		**0.0264**	**0.0264**		**0.0253**	**0.0253**	**0.0000**	**101.7798**	**101.7798**	**0.0190**	**0.0000**	**102.2537**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3300e-003	0.2650	0.0752	1.0900e-003	0.0248	5.9000e-004	0.0254	6.8000e-003	5.6000e-004	7.3600e-003	0.0000	106.4770	106.4770	5.8600e-003	0.0000	106.6235
Worker	6.2800e-003	3.6500e-003	0.0436	1.4000e-004	0.0162	1.1000e-004	0.0163	4.3100e-003	1.0000e-004	4.4000e-003	0.0000	12.3619	12.3619	2.6000e-004	0.0000	12.3685
Total	**0.0136**	**0.2686**	**0.1188**	**1.2300e-003**	**0.0410**	**7.0000e-004**	**0.0417**	**0.0111**	**6.6000e-004**	**0.0118**	**0.0000**	**118.8389**	**118.8389**	**6.1200e-003**	**0.0000**	**118.9920**

3.4 Structural Framing - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0783	0.6284	0.6909	1.2300e-003		0.0264	0.0264		0.0253	0.0253	0.0000	101.7797	101.7797	0.0190	0.0000	102.2536
Total	**0.0783**	**0.6284**	**0.6909**	**1.2300e-003**		**0.0264**	**0.0264**		**0.0253**	**0.0253**	**0.0000**	**101.7797**	**101.7797**	**0.0190**	**0.0000**	**102.2536**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.3300e-003	0.2650	0.0752	1.0900e-003	0.0248	5.9000e-004	0.0254	6.8000e-003	5.6000e-004	7.3600e-003	0.0000	106.4770	106.4770	5.8600e-003	0.0000	106.6235
Worker	6.2800e-003	3.6500e-003	0.0436	1.4000e-004	0.0162	1.1000e-004	0.0163	4.3100e-003	1.0000e-004	4.4000e-003	0.0000	12.3619	12.3619	2.6000e-004	0.0000	12.3685
Total	**0.0136**	**0.2686**	**0.1188**	**1.2300e-003**	**0.0410**	**7.0000e-004**	**0.0417**	**0.0111**	**6.6000e-004**	**0.0118**	**0.0000**	**118.8389**	**118.8389**	**6.1200e-003**	**0.0000**	**118.9920**

3.4 Structural Framing - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.1900e-003	0.0661	0.0770	1.4000e-004		2.5800e-003	2.5800e-003		2.4700e-003	2.4700e-003	0.0000	11.4254	11.4254	2.1000e-003	0.0000	11.4778
Total	**8.1900e-003**	**0.0661**	**0.0770**	**1.4000e-004**		**2.5800e-003**	**2.5800e-003**		**2.4700e-003**	**2.4700e-003**	**0.0000**	**11.4254**	**11.4254**	**2.1000e-003**	**0.0000**	**11.4778**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.1000e-004	0.0287	8.2800e-003	1.2000e-004	2.7800e-003	6.0000e-005	2.8400e-003	7.6000e-004	6.0000e-005	8.2000e-004	0.0000	11.8811	11.8811	6.6000e-004	0.0000	11.8975
Worker	6.7000e-004	3.7000e-004	4.5300e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3320	1.3320	3.0000e-005	0.0000	1.3327
Total	**1.4800e-003**	**0.0291**	**0.0128**	**1.3000e-004**	**4.6000e-003**	**7.0000e-005**	**4.6700e-003**	**1.2400e-003**	**7.0000e-005**	**1.3100e-003**	**0.0000**	**13.2131**	**13.2131**	**6.9000e-004**	**0.0000**	**13.2302**

3.4 Structural Framing - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.1900e-003	0.0661	0.0770	1.4000e-004		2.5800e-003	2.5800e-003		2.4700e-003	2.4700e-003	0.0000	11.4254	11.4254	2.1000e-003	0.0000	11.4778
Total	**8.1900e-003**	**0.0661**	**0.0770**	**1.4000e-004**		**2.5800e-003**	**2.5800e-003**		**2.4700e-003**	**2.4700e-003**	**0.0000**	**11.4254**	**11.4254**	**2.1000e-003**	**0.0000**	**11.4778**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.1000e-004	0.0287	8.2800e-003	1.2000e-004	2.7800e-003	6.0000e-005	2.8400e-003	7.6000e-004	6.0000e-005	8.2000e-004	0.0000	11.8811	11.8811	6.6000e-004	0.0000	11.8975
Worker	6.7000e-004	3.7000e-004	4.5300e-003	1.0000e-005	1.8200e-003	1.0000e-005	1.8300e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.3320	1.3320	3.0000e-005	0.0000	1.3327
Total	**1.4800e-003**	**0.0291**	**0.0128**	**1.3000e-004**	**4.6000e-003**	**7.0000e-005**	**4.6700e-003**	**1.2400e-003**	**7.0000e-005**	**1.3100e-003**	**0.0000**	**13.2131**	**13.2131**	**6.9000e-004**	**0.0000**	**13.2302**

3.5 Exterior Enclosure - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0208	0.1971	0.3094	4.7000e-004		9.2800e-003	9.2800e-003		8.5700e-003	8.5700e-003	0.0000	41.1092	41.1092	0.0130	0.0000	41.4350
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0208**	**0.1971**	**0.3094**	**4.7000e-004**		**9.2800e-003**	**9.2800e-003**		**8.5700e-003**	**8.5700e-003**	**0.0000**	**41.1092**	**41.1092**	**0.0130**	**0.0000**	**41.4350**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5900e-003	0.0923	0.0266	3.9000e-004	8.9300e-003	2.0000e-004	9.1300e-003	2.4500e-003	1.9000e-004	2.6400e-003	0.0000	38.1635	38.1635	2.1000e-003	0.0000	38.2161
Worker	2.1400e-003	1.1900e-003	0.0146	5.0000e-005	5.8400e-003	4.0000e-005	5.8800e-003	1.5500e-003	3.0000e-005	1.5900e-003	0.0000	4.2786	4.2786	9.0000e-005	0.0000	4.2807
Total	**4.7300e-003**	**0.0935**	**0.0412**	**4.4000e-004**	**0.0148**	**2.4000e-004**	**0.0150**	**4.0000e-003**	**2.2000e-004**	**4.2300e-003**	**0.0000**	**42.4421**	**42.4421**	**2.1900e-003**	**0.0000**	**42.4969**

3.5 Exterior Enclosure - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0208	0.1971	0.3094	4.7000e-004		9.2800e-003	9.2800e-003		8.5700e-003	8.5700e-003	0.0000	41.1092	41.1092	0.0130	0.0000	41.4349
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0208**	**0.1971**	**0.3094**	**4.7000e-004**		**9.2800e-003**	**9.2800e-003**		**8.5700e-003**	**8.5700e-003**	**0.0000**	**41.1092**	**41.1092**	**0.0130**	**0.0000**	**41.4349**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5900e-003	0.0923	0.0266	3.9000e-004	8.9300e-003	2.0000e-004	9.1300e-003	2.4500e-003	1.9000e-004	2.6400e-003	0.0000	38.1635	38.1635	2.1000e-003	0.0000	38.2161
Worker	2.1400e-003	1.1900e-003	0.0146	5.0000e-005	5.8400e-003	4.0000e-005	5.8800e-003	1.5500e-003	3.0000e-005	1.5900e-003	0.0000	4.2786	4.2786	9.0000e-005	0.0000	4.2807
Total	**4.7300e-003**	**0.0935**	**0.0412**	**4.4000e-004**	**0.0148**	**2.4000e-004**	**0.0150**	**4.0000e-003**	**2.2000e-004**	**4.2300e-003**	**0.0000**	**42.4421**	**42.4421**	**2.1900e-003**	**0.0000**	**42.4969**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4032	1.0000e-005	1.3100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-003
Unmitigated	0.4032	1.0000e-005	1.3100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4031					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-003
Total	**0.4032**	**1.0000e-005**	**1.3100e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.5600e-003**	**2.5600e-003**	**1.0000e-005**	**0.0000**	**2.7300e-003**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4031					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2000e-004	1.0000e-005	1.3100e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5600e-003	2.5600e-003	1.0000e-005	0.0000	2.7300e-003
Total	**0.4032**	**1.0000e-005**	**1.3100e-003**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.5600e-003**	**2.5600e-003**	**1.0000e-005**	**0.0000**	**2.7300e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2B Construction

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	103.21	1000sqft	2.37	103,210.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 2B Construction - Sacramento County, Summer

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Demolition -

Grading - No grading or excavating

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	51605	0
tblAreaCoating	Area_Nonresidential_Interior	154815	0
tblConstructionPhase	NumDays	10.00	220.00
tblConstructionPhase	NumDays	220.00	109.00
tblConstructionPhase	NumDays	10.00	53.00
tblConstructionPhase	NumDays	3.00	34.00
tblEnergyUse	LightingElect	4.98	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	T24E	9.18	0.00
tblEnergyUse	T24NG	57.91	0.00
tblGrading	AcresOfGrading	51.00	0.00

tblSolidWaste	SolidWasteGenerationRate	1,114.67	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	17.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	7.00	100.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	33.00	45.00
tblTripsAndVMT	WorkerTripNumber	15.00	30.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblWater	IndoorWaterUseRate	12,950,846.28	0.00
tblWater	OutdoorWaterUseRate	2,466,827.86	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	7.0461	30.0539	23.8224	0.1052	2.6672	0.6413	3.3085	0.7205	0.6164	1.3369	0.0000	10,795.5741	10,795.5741	1.0951	0.0000	10,816.8894
2025	6.8929	28.6328	23.3995	0.1044	2.6670	0.5621	3.2290	0.7204	0.5399	1.2603	0.0000	10,713.2181	10,713.2181	0.9191	0.0000	10,734.2705
Maximum	**7.0461**	**30.0539**	**23.8224**	**0.1052**	**2.6672**	**0.6413**	**3.3085**	**0.7205**	**0.6164**	**1.3369**	**0.0000**	**10,795.5741**	**10,795.5741**	**1.0951**	**0.0000**	**10,816.8894**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	7.0461	30.0539	23.8224	0.1052	2.6672	0.6413	3.3085	0.7205	0.6164	1.3369	0.0000	10,795.5741	10,795.5741	1.0951	0.0000	10,816.8894
2025	6.8929	28.6328	23.3995	0.1044	2.6670	0.5621	3.2290	0.7204	0.5399	1.2603	0.0000	10,713.2181	10,713.2181	0.9191	0.0000	10,734.2705
Maximum	**7.0461**	**30.0539**	**23.8224**	**0.1052**	**2.6672**	**0.6413**	**3.3085**	**0.7205**	**0.6164**	**1.3369**	**0.0000**	**10,795.5741**	**10,795.5741**	**1.0951**	**0.0000**	**10,816.8894**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2097	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**2.2097**	**1.0000e-004**	**0.0105**	**0.0000**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**4.0000e-005**		**0.0226**	**0.0226**	**6.0000e-005**	**0.0000**	**0.0241**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.2097	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**2.2097**	**1.0000e-004**	**0.0105**	**0.0000**	**0.0000**	**4.0000e-005**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**4.0000e-005**		**0.0226**	**0.0226**	**6.0000e-005**	**0.0000**	**0.0241**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Interior	Architectural Coating	4/1/2024	1/31/2025	5	220	
2	Site Preparation	Site Preparation	7/1/2024	8/15/2024	5	34	
3	Structural Framing	Building Construction	8/16/2024	1/15/2025	5	109	
4	Exterior Enclosure	Paving	1/16/2025	3/31/2025	5	53	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 154,815; Non-Residential Outdoor: 51,605; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase 2B Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Structural Framing	Cranes	1	8.00	231	0.29
Structural Framing	Forklifts	2	7.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Structural Framing	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Structural Framing	Welders	3	8.00	46	0.45
Exterior Enclosure	Cement and Mortar Mixers	1	8.00	9	0.56
Exterior Enclosure	Pavers	1	8.00	130	0.42
Exterior Enclosure	Paving Equipment	1	8.00	132	0.36
Exterior Enclosure	Rollers	2	8.00	80	0.38
Exterior Enclosure	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Interior	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	8	45.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosure	6	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Interior	1	100.00	60.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Interior - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.3489					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**4.5297**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2955	10.5292	3.0007	0.0449	1.0428	0.0236	1.0664	0.2853	0.0226	0.3079		4,822.2405	4,822.2405	0.2592		4,828.7208
Worker	0.3284	0.1502	2.3524	6.8600e-003	0.7607	4.7700e-003	0.7655	0.2018	4.3900e-003	0.2062		683.5250	683.5250	0.0148		683.8957
Total	**0.6238**	**10.6794**	**5.3531**	**0.0517**	**1.8035**	**0.0284**	**1.8319**	**0.4871**	**0.0270**	**0.5140**		**5,505.7655**	**5,505.7655**	**0.2740**		**5,512.6164**

3.2 Interior - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.3489					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**4.5297**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2955	10.5292	3.0007	0.0449	1.0428	0.0236	1.0664	0.2853	0.0226	0.3079		4,822.2405	4,822.2405	0.2592		4,828.7208
Worker	0.3284	0.1502	2.3524	6.8600e-003	0.7607	4.7700e-003	0.7655	0.2018	4.3900e-003	0.2062		683.5250	683.5250	0.0148		683.8957
Total	**0.6238**	**10.6794**	**5.3531**	**0.0517**	**1.8035**	**0.0284**	**1.8319**	**0.4871**	**0.0270**	**0.5140**		**5,505.7655**	**5,505.7655**	**0.2740**		**5,512.6164**

3.2 Interior - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.3489					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**4.5198**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2895	10.1775	2.9462	0.0446	1.0426	0.0225	1.0652	0.2852	0.0216	0.3068		4,793.6678	4,793.6678	0.2582		4,800.1228
Worker	0.3098	0.1364	2.1819	6.5800e-003	0.7607	4.6800e-003	0.7654	0.2018	4.3100e-003	0.2061		656.1232	656.1232	0.0134		656.4592
Total	**0.5993**	**10.3139**	**5.1282**	**0.0512**	**1.8033**	**0.0272**	**1.8305**	**0.4870**	**0.0259**	**0.5129**		**5,449.7909**	**5,449.7909**	**0.2716**		**5,456.5820**

3.2 Interior - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.3489					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**4.5198**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2895	10.1775	2.9462	0.0446	1.0426	0.0225	1.0652	0.2852	0.0216	0.3068		4,793.6678	4,793.6678	0.2582		4,800.1228
Worker	0.3098	0.1364	2.1819	6.5800e-003	0.7607	4.6800e-003	0.7654	0.2018	4.3100e-003	0.2061		656.1232	656.1232	0.0134		656.4592
Total	**0.5993**	**10.3139**	**5.1282**	**0.0512**	**1.8033**	**0.0272**	**1.8305**	**0.4870**	**0.0259**	**0.5129**		**5,449.7909**	**5,449.7909**	**0.2716**		**5,456.5820**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.2406	13.1186	9.5796	0.0245		0.4971	0.4971		0.4573	0.4573		2,373.6514	2,373.6514	0.7677		2,392.8435
Total	**1.2406**	**13.1186**	**9.5796**	**0.0245**	**0.0000**	**0.4971**	**0.4971**	**0.0000**	**0.4573**	**0.4573**		**2,373.6514**	**2,373.6514**	**0.7677**		**2,392.8435**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0394	1.4039	0.4001	5.9800e-003	0.1390	3.1400e-003	0.1422	0.0380	3.0100e-003	0.0411		642.9654	642.9654	0.0346		643.8294
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1051**	**1.4339**	**0.8706**	**7.3500e-003**	**0.2912**	**4.0900e-003**	**0.2953**	**0.0784**	**3.8900e-003**	**0.0823**		**779.6704**	**779.6704**	**0.0375**		**780.6086**

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.2406	13.1186	9.5796	0.0245		0.4971	0.4971		0.4573	0.4573	0.0000	2,373.6514	2,373.6514	0.7677		2,392.8435
Total	**1.2406**	**13.1186**	**9.5796**	**0.0245**	**0.0000**	**0.4971**	**0.4971**	**0.0000**	**0.4573**	**0.4573**	**0.0000**	**2,373.6514**	**2,373.6514**	**0.7677**		**2,392.8435**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0394	1.4039	0.4001	5.9800e-003	0.1390	3.1400e-003	0.1422	0.0380	3.0100e-003	0.0411		642.9654	642.9654	0.0346		643.8294
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1051**	**1.4339**	**0.8706**	**7.3500e-003**	**0.2912**	**4.0900e-003**	**0.2953**	**0.0784**	**3.8900e-003**	**0.0823**		**779.6704**	**779.6704**	**0.0375**		**780.6086**

3.4 Structural Framing - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153		2,289.6541	2,289.6541	0.4265		2,300.3154
Total	**1.5971**	**12.8235**	**14.1002**	**0.0250**		**0.5381**	**0.5381**		**0.5153**	**0.5153**		**2,289.6541**	**2,289.6541**	**0.4265**		**2,300.3154**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1477	5.2646	1.5004	0.0224	0.5214	0.0118	0.5332	0.1427	0.0113	0.1539		2,411.1202	2,411.1202	0.1296		2,414.3604
Worker	0.1478	0.0676	1.0586	3.0900e-003	0.3423	2.1500e-003	0.3445	0.0908	1.9800e-003	0.0928		307.5863	307.5863	6.6700e-003		307.7530
Total	**0.2955**	**5.3322**	**2.5589**	**0.0255**	**0.8637**	**0.0139**	**0.8777**	**0.2335**	**0.0133**	**0.2467**		**2,718.7065**	**2,718.7065**	**0.1363**		**2,722.1134**

3.4 Structural Framing - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5971	12.8235	14.1002	0.0250		0.5381	0.5381		0.5153	0.5153	0.0000	2,289.6541	2,289.6541	0.4265		2,300.3154
Total	**1.5971**	**12.8235**	**14.1002**	**0.0250**		**0.5381**	**0.5381**		**0.5153**	**0.5153**	**0.0000**	**2,289.6541**	**2,289.6541**	**0.4265**		**2,300.3154**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1477	5.2646	1.5004	0.0224	0.5214	0.0118	0.5332	0.1427	0.0113	0.1539		2,411.1202	2,411.1202	0.1296		2,414.3604
Worker	0.1478	0.0676	1.0586	3.0900e-003	0.3423	2.1500e-003	0.3445	0.0908	1.9800e-003	0.0928		307.5863	307.5863	6.6700e-003		307.7530
Total	**0.2955**	**5.3322**	**2.5589**	**0.0255**	**0.8637**	**0.0139**	**0.8777**	**0.2335**	**0.0133**	**0.2467**		**2,718.7065**	**2,718.7065**	**0.1363**		**2,722.1134**

3.4 Structural Framing - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498		2,289.8898	2,289.8898	0.4200		2,300.3887
Total	**1.4897**	**12.0233**	**14.0072**	**0.0250**		**0.4700**	**0.4700**		**0.4498**	**0.4498**		**2,289.8898**	**2,289.8898**	**0.4200**		**2,300.3887**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1448	5.0887	1.4731	0.0223	0.5213	0.0113	0.5326	0.1426	0.0108	0.1534		2,396.8339	2,396.8339	0.1291		2,400.0614
Worker	0.1394	0.0614	0.9819	2.9600e-003	0.3423	2.1100e-003	0.3444	0.0908	1.9400e-003	0.0927		295.2554	295.2554	6.0500e-003		295.4066
Total	**0.2841**	**5.1501**	**2.4550**	**0.0252**	**0.8636**	**0.0134**	**0.8770**	**0.2334**	**0.0127**	**0.2461**		**2,692.0893**	**2,692.0893**	**0.1352**		**2,695.4680**

3.4 Structural Framing - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4897	12.0233	14.0072	0.0250		0.4700	0.4700		0.4498	0.4498	0.0000	2,289.8898	2,289.8898	0.4200		2,300.3887
Total	**1.4897**	**12.0233**	**14.0072**	**0.0250**		**0.4700**	**0.4700**		**0.4498**	**0.4498**	**0.0000**	**2,289.8898**	**2,289.8898**	**0.4200**		**2,300.3887**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1448	5.0887	1.4731	0.0223	0.5213	0.0113	0.5326	0.1426	0.0108	0.1534		2,396.8339	2,396.8339	0.1291		2,400.0614
Worker	0.1394	0.0614	0.9819	2.9600e-003	0.3423	2.1100e-003	0.3444	0.0908	1.9400e-003	0.0927		295.2554	295.2554	6.0500e-003		295.4066
Total	**0.2841**	**5.1501**	**2.4550**	**0.0252**	**0.8636**	**0.0134**	**0.8770**	**0.2334**	**0.0127**	**0.2461**		**2,692.0893**	**2,692.0893**	**0.1352**		**2,695.4680**

3.5 Exterior Enclosure - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234		1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7854**	**7.4371**	**11.6737**	**0.0179**		**0.3503**	**0.3503**		**0.3234**	**0.3234**		**1,710.0067**	**1,710.0067**	**0.5420**		**1,723.5556**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0965	3.3925	0.9821	0.0149	0.3475	7.5100e-003	0.3551	0.0951	7.1900e-003	0.1023		1,597.8893	1,597.8893	0.0861		1,600.0409
Worker	0.0929	0.0409	0.6546	1.9800e-003	0.2282	1.4000e-003	0.2296	0.0605	1.2900e-003	0.0618		196.8369	196.8369	4.0300e-003		196.9378
Total	**0.1894**	**3.4334**	**1.6367**	**0.0168**	**0.5758**	**8.9100e-003**	**0.5847**	**0.1556**	**8.4800e-003**	**0.1641**		**1,794.7262**	**1,794.7262**	**0.0901**		**1,796.9787**

3.5 Exterior Enclosure - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7854	7.4371	11.6737	0.0179		0.3503	0.3503		0.3234	0.3234	0.0000	1,710.0067	1,710.0067	0.5420		1,723.5556
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.7854**	**7.4371**	**11.6737**	**0.0179**		**0.3503**	**0.3503**		**0.3234**	**0.3234**	**0.0000**	**1,710.0067**	**1,710.0067**	**0.5420**		**1,723.5556**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0965	3.3925	0.9821	0.0149	0.3475	7.5100e-003	0.3551	0.0951	7.1900e-003	0.1023		1,597.8893	1,597.8893	0.0861		1,600.0409
Worker	0.0929	0.0409	0.6546	1.9800e-003	0.2282	1.4000e-003	0.2296	0.0605	1.2900e-003	0.0618		196.8369	196.8369	4.0300e-003		196.9378
Total	**0.1894**	**3.4334**	**1.6367**	**0.0168**	**0.5758**	**8.9100e-003**	**0.5847**	**0.1556**	**8.4800e-003**	**0.1641**		**1,794.7262**	**1,794.7262**	**0.0901**		**1,796.9787**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.2097	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Unmitigated	2.2097	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Total	**2.2097**	**1.0000e-004**	**0.0105**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0226**	**0.0226**	**6.0000e-005**		**0.0241**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.2087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.7000e-004	1.0000e-004	0.0105	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0226	0.0226	6.0000e-005		0.0241
Total	**2.2097**	**1.0000e-004**	**0.0105**	**0.0000**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**		**0.0226**	**0.0226**	**6.0000e-005**		**0.0241**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2C Construction

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	134.80	1000sqft	3.09	134,800.00	0
Medical Office Building	100.00	1000sqft	2.30	100,000.00	0
Enclosed Parking with Elevator	170.00	Space	1.53	33,700.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 2C Construction - Sacramento County, Annual

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Demolition -

Grading - 21,219 CY exported under excavation phase

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	117400	0
tblAreaCoating	Area_Nonresidential_Interior	352200	0
tblAreaCoating	Area_Parking	2022	0
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	230.00	42.00
tblConstructionPhase	NumDays	230.00	65.00
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	163.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	4.98	0.00
tblEnergyUse	LightingElect	3.71	0.00

tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24E	9.18	0.00
tblEnergyUse	T24E	4.98	0.00
tblEnergyUse	T24NG	57.91	0.00
tblEnergyUse	T24NG	12.42	0.00
tblGrading	MaterialExported	0.00	21,219.00
tblLandUse	LandUseSquareFeet	68,000.00	33,700.00
tblSolidWaste	SolidWasteGenerationRate	1,455.84	0.00
tblSolidWaste	SolidWasteGenerationRate	1,080.00	0.00
tblTripsAndVMT	HaulingTripNumber	2,652.00	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	44.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	80.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	44.00	50.00

tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblTripsAndVMT	WorkerTripNumber	89.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	30.00
tblTripsAndVMT	WorkerTripNumber	18.00	80.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	89.00	50.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblWater	IndoorWaterUseRate	16,914,776.46	0.00
tblWater	IndoorWaterUseRate	12,548,053.76	0.00
tblWater	OutdoorWaterUseRate	3,221,862.18	0.00
tblWater	OutdoorWaterUseRate	2,390,105.48	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0290	0.3051	0.2005	4.8000e-004	0.1927	0.0133	0.2060	0.1051	0.0123	0.1173	0.0000	42.4713	42.4713	0.0117	0.0000	42.7644
2024	0.5620	2.4110	2.0586	7.2500e-003	0.3102	0.0675	0.3777	0.1299	0.0630	0.1929	0.0000	674.2526	674.2526	0.0893	0.0000	676.4850
2025	0.7661	0.8207	0.3937	3.6100e-003	0.1045	4.6300e-003	0.1092	0.0284	4.5500e-003	0.0330	0.0000	348.1058	348.1058	0.0184	0.0000	348.5652
Maximum	**0.7661**	**2.4110**	**2.0586**	**7.2500e-003**	**0.3102**	**0.0675**	**0.3777**	**0.1299**	**0.0630**	**0.1929**	**0.0000**	**674.2526**	**674.2526**	**0.0893**	**0.0000**	**676.4850**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0290	0.3051	0.2005	4.8000e-004	0.1927	0.0133	0.2060	0.1051	0.0123	0.1173	0.0000	42.4712	42.4712	0.0117	0.0000	42.7643
2024	0.5620	2.4110	2.0586	7.2500e-003	0.3102	0.0675	0.3777	0.1299	0.0630	0.1929	0.0000	674.2523	674.2523	0.0893	0.0000	676.4847
2025	0.7661	0.8207	0.3937	3.6100e-003	0.1045	4.6300e-003	0.1092	0.0284	4.5500e-003	0.0330	0.0000	348.1058	348.1058	0.0184	0.0000	348.5652
Maximum	**0.7661**	**2.4110**	**2.0586**	**7.2500e-003**	**0.3102**	**0.0675**	**0.3777**	**0.1299**	**0.0630**	**0.1929**	**0.0000**	**674.2523**	**674.2523**	**0.0893**	**0.0000**	**676.4847**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**12-1-2023**	**2-29-2024**	0.8921	0.8921
2	**3-1-2024**	**5-31-2024**	0.7364	0.7364
3	**6-1-2024**	**8-31-2024**	0.5987	0.5987
4	**9-1-2024**	**11-30-2024**	0.7528	0.7528
5	**12-1-2024**	**2-28-2025**	0.9532	0.9532
6	**3-1-2025**	**5-31-2025**	0.9483	0.9483
		Highest	0.9532	0.9532

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9197	5.0000e-005	5.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0107
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.9197**	**5.0000e-005**	**5.1500e-003**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0101**	**0.0101**	**3.0000e-005**	**0.0000**	**0.0107**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9197	5.0000e-005	5.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0107
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.9197**	**5.0000e-005**	**5.1500e-003**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0101**	**0.0101**	**3.0000e-005**	**0.0000**	**0.0107**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase 2C Construction - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/1/2023	1/15/2024	5	32	
2	Excavation	Grading	1/16/2024	2/15/2024	5	23	
3	Foundation	Building Construction	2/16/2024	4/15/2024	5	42	
4	Structural Framing	Building Construction	4/16/2024	7/15/2024	5	65	
5	Exterior Enclosure	Paving	7/16/2024	10/15/2024	5	66	
6	Interior	Architectural Coating	10/16/2024	5/30/2025	5	163	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.53

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 352,200; Non-Residential Outdoor: 117,400; Striped Parking Area: 2,022 (Architectural Coating – sqft)

OffRoad Equipment

Phase 2C Construction - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Structural Framing	Cranes	1	7.00	231	0.29
Structural Framing	Forklifts	3	8.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structural Framing	Welders	1	8.00	46	0.45
Exterior Enclosure	Pavers	2	8.00	130	0.42
Exterior Enclosure	Paving Equipment	2	8.00	132	0.36
Exterior Enclosure	Rollers	2	8.00	80	0.38
Interior	Air Compressors	1	6.00	78	0.48
Excavation	Excavators	1	8.00	158	0.38
Excavation	Graders	1	8.00	187	0.41
Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Foundation	Cranes	1	7.00	231	0.29
Foundation	Forklifts	3	8.00	89	0.20
Foundation	Generator Sets	1	8.00	84	0.74
Foundation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Foundation	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	9	30.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosure	6	30.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Interior	1	80.00	80.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Excavation	6	20.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	9	50.00	50.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1897	0.0000	0.1897	0.1043	0.0000	0.1043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.2890	0.1916	4.0000e-004		0.0133	0.0133		0.0122	0.0122	0.0000	35.1232	35.1232	0.0114	0.0000	35.4072
Total	**0.0279**	**0.2890**	**0.1916**	**4.0000e-004**	**0.1897**	**0.0133**	**0.2030**	**0.1043**	**0.0122**	**0.1165**	**0.0000**	**35.1232**	**35.1232**	**0.0114**	**0.0000**	**35.4072**

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3000e-004	0.0157	4.4000e-003	6.0000e-005	1.4200e-003	4.0000e-005	1.4500e-003	3.9000e-004	3.0000e-005	4.2000e-004	0.0000	6.1231	6.1231	3.4000e-004	0.0000	6.1315
Worker	6.4000e-004	3.8000e-004	4.4900e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2249	1.2249	3.0000e-005	0.0000	1.2256
Total	**1.0700e-003**	**0.0161**	**8.8900e-003**	**7.0000e-005**	**2.9600e-003**	**5.0000e-005**	**3.0000e-003**	**8.0000e-004**	**4.0000e-005**	**8.4000e-004**	**0.0000**	**7.3481**	**7.3481**	**3.7000e-004**	**0.0000**	**7.3572**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1897	0.0000	0.1897	0.1043	0.0000	0.1043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.2890	0.1916	4.0000e-004		0.0133	0.0133		0.0122	0.0122	0.0000	35.1232	35.1232	0.0114	0.0000	35.4072
Total	**0.0279**	**0.2890**	**0.1916**	**4.0000e-004**	**0.1897**	**0.0133**	**0.2030**	**0.1043**	**0.0122**	**0.1165**	**0.0000**	**35.1232**	**35.1232**	**0.0114**	**0.0000**	**35.4072**

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.3000e-004	0.0157	4.4000e-003	6.0000e-005	1.4200e-003	4.0000e-005	1.4500e-003	3.9000e-004	3.0000e-005	4.2000e-004	0.0000	6.1231	6.1231	3.4000e-004	0.0000	6.1315
Worker	6.4000e-004	3.8000e-004	4.4900e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2249	1.2249	3.0000e-005	0.0000	1.2256
Total	**1.0700e-003**	**0.0161**	**8.8900e-003**	**7.0000e-005**	**2.9600e-003**	**5.0000e-005**	**3.0000e-003**	**8.0000e-004**	**4.0000e-005**	**8.4000e-004**	**0.0000**	**7.3481**	**7.3481**	**3.7000e-004**	**0.0000**	**7.3572**

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0994	0.0000	0.0994	0.0546	0.0000	0.0546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0146	0.1495	0.1009	2.1000e-004		6.7600e-003	6.7600e-003		6.2200e-003	6.2200e-003	0.0000	18.4014	18.4014	5.9500e-003	0.0000	18.5502
Total	**0.0146**	**0.1495**	**0.1009**	**2.1000e-004**	**0.0994**	**6.7600e-003**	**0.1061**	**0.0546**	**6.2200e-003**	**0.0608**	**0.0000**	**18.4014**	**18.4014**	**5.9500e-003**	**0.0000**	**18.5502**

3.2 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-004	7.9300e-003	2.2500e-003	3.0000e-005	7.4000e-004	2.0000e-005	7.6000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	3.1871	3.1871	1.8000e-004	0.0000	3.1915
Worker	3.1000e-004	1.8000e-004	2.1800e-003	1.0000e-005	8.1000e-004	1.0000e-005	8.1000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6167	0.6167	1.0000e-005	0.0000	0.6170
Total	**5.3000e-004**	**8.1100e-003**	**4.4300e-003**	**4.0000e-005**	**1.5500e-003**	**3.0000e-005**	**1.5700e-003**	**4.1000e-004**	**2.0000e-005**	**4.4000e-004**	**0.0000**	**3.8038**	**3.8038**	**1.9000e-004**	**0.0000**	**3.8085**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0994	0.0000	0.0994	0.0546	0.0000	0.0546	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0146	0.1495	0.1009	2.1000e-004		6.7600e-003	6.7600e-003		6.2200e-003	6.2200e-003	0.0000	18.4014	18.4014	5.9500e-003	0.0000	18.5502
Total	**0.0146**	**0.1495**	**0.1009**	**2.1000e-004**	**0.0994**	**6.7600e-003**	**0.1061**	**0.0546**	**6.2200e-003**	**0.0608**	**0.0000**	**18.4014**	**18.4014**	**5.9500e-003**	**0.0000**	**18.5502**

3.2 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2000e-004	7.9300e-003	2.2500e-003	3.0000e-005	7.4000e-004	2.0000e-005	7.6000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	3.1871	3.1871	1.8000e-004	0.0000	3.1915
Worker	3.1000e-004	1.8000e-004	2.1800e-003	1.0000e-005	8.1000e-004	1.0000e-005	8.1000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.6167	0.6167	1.0000e-005	0.0000	0.6170
Total	**5.3000e-004**	**8.1100e-003**	**4.4300e-003**	**4.0000e-005**	**1.5500e-003**	**3.0000e-005**	**1.5700e-003**	**4.1000e-004**	**2.0000e-005**	**4.4000e-004**	**0.0000**	**3.8038**	**3.8038**	**1.9000e-004**	**0.0000**	**3.8085**

3.3 Excavation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0776	0.0000	0.0776	0.0391	0.0000	0.0391	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0191	0.1959	0.1697	3.4000e-004		8.3300e-003	8.3300e-003		7.6600e-003	7.6600e-003	0.0000	29.9735	29.9735	9.6900e-003	0.0000	30.2159
Total	**0.0191**	**0.1959**	**0.1697**	**3.4000e-004**	**0.0776**	**8.3300e-003**	**0.0859**	**0.0391**	**7.6600e-003**	**0.0467**	**0.0000**	**29.9735**	**29.9735**	**9.6900e-003**	**0.0000**	**30.2159**

3.3 Excavation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1500e-003	0.0415	0.0118	1.7000e-004	3.8800e-003	9.0000e-005	3.9700e-003	1.0600e-003	9.0000e-005	1.1500e-003	0.0000	16.6597	16.6597	9.2000e-004	0.0000	16.6826
Worker	6.6000e-004	3.8000e-004	4.5500e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2895	1.2895	3.0000e-005	0.0000	1.2901
Total	**1.8100e-003**	**0.0418**	**0.0163**	**1.8000e-004**	**5.5700e-003**	**1.0000e-004**	**5.6700e-003**	**1.5100e-003**	**1.0000e-004**	**1.6100e-003**	**0.0000**	**17.9491**	**17.9491**	**9.5000e-004**	**0.0000**	**17.9727**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0776	0.0000	0.0776	0.0391	0.0000	0.0391	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0191	0.1959	0.1697	3.4000e-004		8.3300e-003	8.3300e-003		7.6600e-003	7.6600e-003	0.0000	29.9735	29.9735	9.6900e-003	0.0000	30.2158
Total	**0.0191**	**0.1959**	**0.1697**	**3.4000e-004**	**0.0776**	**8.3300e-003**	**0.0859**	**0.0391**	**7.6600e-003**	**0.0467**	**0.0000**	**29.9735**	**29.9735**	**9.6900e-003**	**0.0000**	**30.2158**

3.3 Excavation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1500e-003	0.0415	0.0118	1.7000e-004	3.8800e-003	9.0000e-005	3.9700e-003	1.0600e-003	9.0000e-005	1.1500e-003	0.0000	16.6597	16.6597	9.2000e-004	0.0000	16.6826
Worker	6.6000e-004	3.8000e-004	4.5500e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.2895	1.2895	3.0000e-005	0.0000	1.2901
Total	**1.8100e-003**	**0.0418**	**0.0163**	**1.8000e-004**	**5.5700e-003**	**1.0000e-004**	**5.6700e-003**	**1.5100e-003**	**1.0000e-004**	**1.6100e-003**	**0.0000**	**17.9491**	**17.9491**	**9.5000e-004**	**0.0000**	**17.9727**

3.4 Foundation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0309	0.2823	0.3395	5.7000e-004		0.0129	0.0129		0.0121	0.0121	0.0000	48.6883	48.6883	0.0115	0.0000	48.9762
Total	**0.0309**	**0.2823**	**0.3395**	**5.7000e-004**		**0.0129**	**0.0129**		**0.0121**	**0.0121**	**0.0000**	**48.6883**	**48.6883**	**0.0115**	**0.0000**	**48.9762**

3.4 Foundation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2300e-003	0.1893	0.0537	7.8000e-004	0.0177	4.2000e-004	0.0181	4.8600e-003	4.0000e-004	5.2600e-003	0.0000	76.0550	76.0550	4.1900e-003	0.0000	76.1596
Worker	2.9900e-003	1.7400e-003	0.0208	7.0000e-005	7.7100e-003	5.0000e-005	7.7600e-003	2.0500e-003	5.0000e-005	2.1000e-003	0.0000	5.8866	5.8866	1.3000e-004	0.0000	5.8898
Total	**8.2200e-003**	**0.1910**	**0.0745**	**8.5000e-004**	**0.0254**	**4.7000e-004**	**0.0259**	**6.9100e-003**	**4.5000e-004**	**7.3600e-003**	**0.0000**	**81.9416**	**81.9416**	**4.3200e-003**	**0.0000**	**82.0494**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0309	0.2823	0.3395	5.7000e-004		0.0129	0.0129		0.0121	0.0121	0.0000	48.6883	48.6883	0.0115	0.0000	48.9761
Total	**0.0309**	**0.2823**	**0.3395**	**5.7000e-004**		**0.0129**	**0.0129**		**0.0121**	**0.0121**	**0.0000**	**48.6883**	**48.6883**	**0.0115**	**0.0000**	**48.9761**

3.4 Foundation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2300e-003	0.1893	0.0537	7.8000e-004	0.0177	4.2000e-004	0.0181	4.8600e-003	4.0000e-004	5.2600e-003	0.0000	76.0550	76.0550	4.1900e-003	0.0000	76.1596
Worker	2.9900e-003	1.7400e-003	0.0208	7.0000e-005	7.7100e-003	5.0000e-005	7.7600e-003	2.0500e-003	5.0000e-005	2.1000e-003	0.0000	5.8866	5.8866	1.3000e-004	0.0000	5.8898
Total	**8.2200e-003**	**0.1910**	**0.0745**	**8.5000e-004**	**0.0254**	**4.7000e-004**	**0.0259**	**6.9100e-003**	**4.5000e-004**	**7.3600e-003**	**0.0000**	**81.9416**	**81.9416**	**4.3200e-003**	**0.0000**	**82.0494**

3.5 Structural Framing - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0478	0.4369	0.5254	8.8000e-004		0.0199	0.0199		0.0188	0.0188	0.0000	75.3510	75.3510	0.0178	0.0000	75.7964
Total	**0.0478**	**0.4369**	**0.5254**	**8.8000e-004**		**0.0199**	**0.0199**		**0.0188**	**0.0188**	**0.0000**	**75.3510**	**75.3510**	**0.0178**	**0.0000**	**75.7964**

3.5 Structural Framing - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8600e-003	0.1757	0.0499	7.2000e-004	0.0164	3.9000e-004	0.0168	4.5100e-003	3.7000e-004	4.8800e-003	0.0000	70.6225	70.6225	3.8900e-003	0.0000	70.7196
Worker	2.7800e-003	1.6100e-003	0.0193	6.0000e-005	7.1600e-003	5.0000e-005	7.2100e-003	1.9000e-003	4.0000e-005	1.9500e-003	0.0000	5.4662	5.4662	1.2000e-004	0.0000	5.4691
Total	**7.6400e-003**	**0.1774**	**0.0692**	**7.8000e-004**	**0.0236**	**4.4000e-004**	**0.0240**	**6.4100e-003**	**4.1000e-004**	**6.8300e-003**	**0.0000**	**76.0886**	**76.0886**	**4.0100e-003**	**0.0000**	**76.1887**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0478	0.4369	0.5254	8.8000e-004		0.0199	0.0199		0.0188	0.0188	0.0000	75.3509	75.3509	0.0178	0.0000	75.7963
Total	**0.0478**	**0.4369**	**0.5254**	**8.8000e-004**		**0.0199**	**0.0199**		**0.0188**	**0.0188**	**0.0000**	**75.3509**	**75.3509**	**0.0178**	**0.0000**	**75.7963**

3.5 Structural Framing - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.8600e-003	0.1757	0.0499	7.2000e-004	0.0164	3.9000e-004	0.0168	4.5100e-003	3.7000e-004	4.8800e-003	0.0000	70.6225	70.6225	3.8900e-003	0.0000	70.7196
Worker	2.7800e-003	1.6100e-003	0.0193	6.0000e-005	7.1600e-003	5.0000e-005	7.2100e-003	1.9000e-003	4.0000e-005	1.9500e-003	0.0000	5.4662	5.4662	1.2000e-004	0.0000	5.4691
Total	**7.6400e-003**	**0.1774**	**0.0692**	**7.8000e-004**	**0.0236**	**4.4000e-004**	**0.0240**	**6.4100e-003**	**4.1000e-004**	**6.8300e-003**	**0.0000**	**76.0886**	**76.0886**	**4.0100e-003**	**0.0000**	**76.1887**

3.6 Exterior Enclosure - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0326	0.3143	0.4827	7.5000e-004		0.0155	0.0155		0.0142	0.0142	0.0000	66.0876	66.0876	0.0214	0.0000	66.6219
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0326**	**0.3143**	**0.4827**	**7.5000e-004**		**0.0155**	**0.0155**		**0.0142**	**0.0142**	**0.0000**	**66.0876**	**66.0876**	**0.0214**	**0.0000**	**66.6219**

3.6 Exterior Enclosure - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9400e-003	0.1784	0.0506	7.4000e-004	0.0167	4.0000e-004	0.0171	4.5800e-003	3.8000e-004	4.9600e-003	0.0000	71.7090	71.7090	3.9500e-003	0.0000	71.8076
Worker	2.8200e-003	1.6400e-003	0.0196	6.0000e-005	7.2700e-003	5.0000e-005	7.3200e-003	1.9300e-003	4.0000e-005	1.9800e-003	0.0000	5.5502	5.5502	1.2000e-004	0.0000	5.5532
Total	**7.7600e-003**	**0.1801**	**0.0702**	**8.0000e-004**	**0.0240**	**4.5000e-004**	**0.0244**	**6.5100e-003**	**4.2000e-004**	**6.9400e-003**	**0.0000**	**77.2592**	**77.2592**	**4.0700e-003**	**0.0000**	**77.3609**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0326	0.3143	0.4827	7.5000e-004		0.0155	0.0155		0.0142	0.0142	0.0000	66.0875	66.0875	0.0214	0.0000	66.6218
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0326**	**0.3143**	**0.4827**	**7.5000e-004**		**0.0155**	**0.0155**		**0.0142**	**0.0142**	**0.0000**	**66.0875**	**66.0875**	**0.0214**	**0.0000**	**66.6218**

3.6 Exterior Enclosure - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.9400e-003	0.1784	0.0506	7.4000e-004	0.0167	4.0000e-004	0.0171	4.5800e-003	3.8000e-004	4.9600e-003	0.0000	71.7090	71.7090	3.9500e-003	0.0000	71.8076
Worker	2.8200e-003	1.6400e-003	0.0196	6.0000e-005	7.2700e-003	5.0000e-005	7.3200e-003	1.9300e-003	4.0000e-005	1.9800e-003	0.0000	5.5502	5.5502	1.2000e-004	0.0000	5.5532
Total	**7.7600e-003**	**0.1801**	**0.0702**	**8.0000e-004**	**0.0240**	**4.5000e-004**	**0.0244**	**6.5100e-003**	**4.2000e-004**	**6.9400e-003**	**0.0000**	**77.2592**	**77.2592**	**4.0700e-003**	**0.0000**	**77.3609**

3.7 Interior - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3688					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9700e-003	0.0335	0.0498	8.0000e-005		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003	0.0000	7.0215	7.0215	4.0000e-004	0.0000	7.0313
Total	**0.3738**	**0.0335**	**0.0498**	**8.0000e-005**		**1.6800e-003**	**1.6800e-003**		**1.6800e-003**	**1.6800e-003**	**0.0000**	**7.0215**	**7.0215**	**4.0000e-004**	**0.0000**	**7.0313**

3.7 Interior - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0110	0.3965	0.1125	1.6300e-003	0.0371	8.8000e-004	0.0380	0.0102	8.4000e-004	0.0110	0.0000	159.3533	159.3533	8.7700e-003	0.0000	159.5725
Worker	6.2700e-003	3.6400e-003	0.0435	1.4000e-004	0.0162	1.0000e-004	0.0163	4.3000e-003	1.0000e-004	4.3900e-003	0.0000	12.3339	12.3339	2.6000e-004	0.0000	12.3405
Total	**0.0172**	**0.4002**	**0.1561**	**1.7700e-003**	**0.0532**	**9.8000e-004**	**0.0542**	**0.0145**	**9.4000e-004**	**0.0154**	**0.0000**	**171.6871**	**171.6871**	**9.0300e-003**	**0.0000**	**171.9130**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3688					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9700e-003	0.0335	0.0498	8.0000e-005		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003	0.0000	7.0214	7.0214	4.0000e-004	0.0000	7.0313
Total	**0.3738**	**0.0335**	**0.0498**	**8.0000e-005**		**1.6800e-003**	**1.6800e-003**		**1.6800e-003**	**1.6800e-003**	**0.0000**	**7.0214**	**7.0214**	**4.0000e-004**	**0.0000**	**7.0313**

3.7 Interior - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0110	0.3965	0.1125	1.6300e-003	0.0371	8.8000e-004	0.0380	0.0102	8.4000e-004	0.0110	0.0000	159.3533	159.3533	8.7700e-003	0.0000	159.5725
Worker	6.2700e-003	3.6400e-003	0.0435	1.4000e-004	0.0162	1.0000e-004	0.0163	4.3000e-003	1.0000e-004	4.3900e-003	0.0000	12.3339	12.3339	2.6000e-004	0.0000	12.3405
Total	**0.0172**	**0.4002**	**0.1561**	**1.7700e-003**	**0.0532**	**9.8000e-004**	**0.0542**	**0.0145**	**9.4000e-004**	**0.0154**	**0.0000**	**171.6871**	**171.6871**	**9.0300e-003**	**0.0000**	**171.9130**

3.7 Interior - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7242					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2300e-003	0.0619	0.0977	1.6000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003	0.0000	13.7876	13.7876	7.5000e-004	0.0000	13.8064
Total	**0.7334**	**0.0619**	**0.0977**	**1.6000e-004**		**2.7800e-003**	**2.7800e-003**		**2.7800e-003**	**2.7800e-003**	**0.0000**	**13.7876**	**13.7876**	**7.5000e-004**	**0.0000**	**13.8064**

3.7 Interior - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0211	0.7523	0.2169	3.1900e-003	0.0728	1.6500e-003	0.0745	0.0200	1.5800e-003	0.0216	0.0000	311.0686	311.0686	0.0172	0.0000	311.4975
Worker	0.0116	6.4900e-003	0.0792	2.6000e-004	0.0317	2.0000e-004	0.0319	8.4400e-003	1.9000e-004	8.6200e-003	0.0000	23.2496	23.2496	4.7000e-004	0.0000	23.2613
Total	**0.0327**	**0.7588**	**0.2960**	**3.4500e-003**	**0.1045**	**1.8500e-003**	**0.1064**	**0.0284**	**1.7700e-003**	**0.0302**	**0.0000**	**334.3182**	**334.3182**	**0.0176**	**0.0000**	**334.7588**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7242					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.2300e-003	0.0619	0.0977	1.6000e-004		2.7800e-003	2.7800e-003		2.7800e-003	2.7800e-003	0.0000	13.7876	13.7876	7.5000e-004	0.0000	13.8064
Total	**0.7334**	**0.0619**	**0.0977**	**1.6000e-004**		**2.7800e-003**	**2.7800e-003**		**2.7800e-003**	**2.7800e-003**	**0.0000**	**13.7876**	**13.7876**	**7.5000e-004**	**0.0000**	**13.8064**

3.7 Interior - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0211	0.7523	0.2169	3.1900e-003	0.0728	1.6500e-003	0.0745	0.0200	1.5800e-003	0.0216	0.0000	311.0686	311.0686	0.0172	0.0000	311.4975
Worker	0.0116	6.4900e-003	0.0792	2.6000e-004	0.0317	2.0000e-004	0.0319	8.4400e-003	1.9000e-004	8.6200e-003	0.0000	23.2496	23.2496	4.7000e-004	0.0000	23.2613
Total	**0.0327**	**0.7588**	**0.2960**	**3.4500e-003**	**0.1045**	**1.8500e-003**	**0.1064**	**0.0284**	**1.7700e-003**	**0.0302**	**0.0000**	**334.3182**	**334.3182**	**0.0176**	**0.0000**	**334.7588**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Medical Office Building	10.00	5.00	6.50	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710
Hospital	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710
Medical Office Building	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9197	5.0000e-005	5.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0107
Unmitigated	0.9197	5.0000e-005	5.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0107

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9192					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0107
Total	**0.9197**	**5.0000e-005**	**5.1500e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0101**	**0.0101**	**3.0000e-005**	**0.0000**	**0.0107**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9192					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1500e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0101	0.0101	3.0000e-005	0.0000	0.0107
Total	**0.9197**	**5.0000e-005**	**5.1500e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0101**	**0.0101**	**3.0000e-005**	**0.0000**	**0.0107**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	0 / 0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	0 / 0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2C Construction

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	134.80	1000sqft	3.09	134,800.00	0
Medical Office Building	100.00	1000sqft	2.30	100,000.00	0
Enclosed Parking with Elevator	170.00	Space	1.53	33,700.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 2C Construction - Sacramento County, Summer

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Demolition -

Grading - 21,219 CY exported under excavation phase

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	117400	0
tblAreaCoating	Area_Nonresidential_Interior	352200	0
tblAreaCoating	Area_Parking	2022	0
tblConstructionPhase	NumDays	10.00	32.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	230.00	42.00
tblConstructionPhase	NumDays	230.00	65.00
tblConstructionPhase	NumDays	20.00	66.00
tblConstructionPhase	NumDays	20.00	163.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	4.98	0.00
tblEnergyUse	LightingElect	3.71	0.00

tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24E	9.18	0.00
tblEnergyUse	T24E	4.98	0.00
tblEnergyUse	T24NG	57.91	0.00
tblEnergyUse	T24NG	12.42	0.00
tblGrading	MaterialExported	0.00	21,219.00
tblLandUse	LandUseSquareFeet	68,000.00	33,700.00
tblSolidWaste	SolidWasteGenerationRate	1,455.84	0.00
tblSolidWaste	SolidWasteGenerationRate	1,080.00	0.00
tblTripsAndVMT	HaulingTripNumber	2,652.00	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	44.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	80.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	44.00	50.00

tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblTripsAndVMT	WorkerTripNumber	89.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	30.00
tblTripsAndVMT	WorkerTripNumber	18.00	80.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	89.00	50.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblWater	IndoorWaterUseRate	16,914,776.46	0.00
tblWater	IndoorWaterUseRate	12,548,053.76	0.00
tblWater	OutdoorWaterUseRate	3,221,862.18	0.00
tblWater	OutdoorWaterUseRate	2,390,105.48	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.7697	29.0117	19.1612	0.0455	18.3575	1.2703	19.6278	10.0091	1.1688	11.1779	0.0000	4,476.6256	4,476.6256	1.2305	0.0000	4,507.3885
2024	14.2483	28.6099	19.8436	0.0683	18.3574	1.2335	19.5909	10.0091	1.1349	11.1440	0.0000	7,257.9220	7,257.9220	1.2303	0.0000	7,267.2551
2025	14.2155	14.8246	7.4830	0.0677	1.9987	0.0853	2.0840	0.5417	0.0837	0.6254	0.0000	7,197.9036	7,197.9036	0.3704	0.0000	7,207.1629
Maximum	**14.2483**	**29.0117**	**19.8436**	**0.0683**	**18.3575**	**1.2703**	**19.6278**	**10.0091**	**1.1688**	**11.1779**	**0.0000**	**7,257.9220**	**7,257.9220**	**1.2305**	**0.0000**	**7,267.2551**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	2.7697	29.0117	19.1612	0.0455	18.3575	1.2703	19.6278	10.0091	1.1688	11.1779	0.0000	4,476.6256	4,476.6256	1.2305	0.0000	4,507.3885
2024	14.2483	28.6099	19.8436	0.0683	18.3574	1.2335	19.5909	10.0091	1.1349	11.1440	0.0000	7,257.9220	7,257.9220	1.2303	0.0000	7,267.2551
2025	14.2155	14.8246	7.4830	0.0677	1.9987	0.0853	2.0840	0.5417	0.0837	0.6254	0.0000	7,197.9036	7,197.9036	0.3704	0.0000	7,207.1629
Maximum	**14.2483**	**29.0117**	**19.8436**	**0.0683**	**18.3575**	**1.2703**	**19.6278**	**10.0091**	**1.1688**	**11.1779**	**0.0000**	**7,257.9220**	**7,257.9220**	**1.2305**	**0.0000**	**7,267.2551**

Phase 2C Construction - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0405	3.7000e-004	0.0412	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0886	0.0886	2.3000e-004		0.0944
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**5.0405**	**3.7000e-004**	**0.0412**	**0.0000**	**0.0000**	**1.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**1.5000e-004**		**0.0886**	**0.0886**	**2.3000e-004**	**0.0000**	**0.0944**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.0405	3.7000e-004	0.0412	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0886	0.0886	2.3000e-004		0.0944
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**5.0405**	**3.7000e-004**	**0.0412**	**0.0000**	**0.0000**	**1.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**1.5000e-004**		**0.0886**	**0.0886**	**2.3000e-004**	**0.0000**	**0.0944**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	12/1/2023	1/15/2024	5	32	
2	Excavation	Grading	1/16/2024	2/15/2024	5	23	
3	Foundation	Building Construction	2/16/2024	4/15/2024	5	42	
4	Structural Framing	Building Construction	4/16/2024	7/15/2024	5	65	
5	Exterior Enclosure	Paving	7/16/2024	10/15/2024	5	66	
6	Interior	Architectural Coating	10/16/2024	5/30/2025	5	163	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.53

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 352,200; Non-Residential Outdoor: 117,400; Striped Parking Area: 2,022 (Architectural Coating – sqft)

OffRoad Equipment

Phase 2C Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Structural Framing	Cranes	1	7.00	231	0.29
Structural Framing	Forklifts	3	8.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Structural Framing	Welders	1	8.00	46	0.45
Exterior Enclosure	Pavers	2	8.00	130	0.42
Exterior Enclosure	Paving Equipment	2	8.00	132	0.36
Exterior Enclosure	Rollers	2	8.00	80	0.38
Interior	Air Compressors	1	6.00	78	0.48
Excavation	Excavators	1	8.00	158	0.38
Excavation	Graders	1	8.00	187	0.41
Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Excavation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Foundation	Cranes	1	7.00	231	0.29
Foundation	Forklifts	3	8.00	89	0.20
Foundation	Generator Sets	1	8.00	84	0.74
Foundation	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Foundation	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	9	30.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosure	6	30.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Interior	1	80.00	80.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Excavation	6	20.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	9	50.00	50.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**18.0663**	**1.2660**	**19.3323**	**9.9307**	**1.1647**	**11.0954**		**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0403	1.4543	0.4097	6.0200e-003	0.1391	3.2900e-003	0.1424	0.0381	3.1500e-003	0.0412		647.0758	647.0758	0.0347		647.9429
Worker	0.0699	0.0332	0.5072	1.4300e-003	0.1521	9.8000e-004	0.1531	0.0404	9.0000e-004	0.0413		142.2416	142.2416	3.2900e-003		142.3238
Total	**0.1102**	**1.4876**	**0.9169**	**7.4500e-003**	**0.2912**	**4.2700e-003**	**0.2955**	**0.0784**	**4.0500e-003**	**0.0825**		**789.3175**	**789.3175**	**0.0380**		**790.2667**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	**2.6595**	**27.5242**	**18.2443**	**0.0381**	**18.0663**	**1.2660**	**19.3323**	**9.9307**	**1.1647**	**11.0954**	**0.0000**	**3,687.3081**	**3,687.3081**	**1.1926**		**3,717.1219**

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0403	1.4543	0.4097	6.0200e-003	0.1391	3.2900e-003	0.1424	0.0381	3.1500e-003	0.0412		647.0758	647.0758	0.0347		647.9429
Worker	0.0699	0.0332	0.5072	1.4300e-003	0.1521	9.8000e-004	0.1531	0.0404	9.0000e-004	0.0413		142.2416	142.2416	3.2900e-003		142.3238
Total	**0.1102**	**1.4876**	**0.9169**	**7.4500e-003**	**0.2912**	**4.2700e-003**	**0.2955**	**0.0784**	**4.0500e-003**	**0.0825**		**789.3175**	**789.3175**	**0.0380**		**790.2667**

3.2 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**18.0663**	**1.2294**	**19.2956**	**9.9307**	**1.1310**	**11.0617**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

3.2 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0394	1.4039	0.4001	5.9800e-003	0.1390	3.1400e-003	0.1422	0.0380	3.0100e-003	0.0411		642.9654	642.9654	0.0346		643.8294
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1051**	**1.4339**	**0.8706**	**7.3500e-003**	**0.2912**	**4.0900e-003**	**0.2953**	**0.0784**	**3.8900e-003**	**0.0823**		**779.6704**	**779.6704**	**0.0375**		**780.6086**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**18.0663**	**1.2294**	**19.2956**	**9.9307**	**1.1310**	**11.0617**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

3.2 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0394	1.4039	0.4001	5.9800e-003	0.1390	3.1400e-003	0.1422	0.0380	3.0100e-003	0.0411		642.9654	642.9654	0.0346		643.8294
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1051**	**1.4339**	**0.8706**	**7.3500e-003**	**0.2912**	**4.0900e-003**	**0.2953**	**0.0784**	**3.8900e-003**	**0.0823**		**779.6704**	**779.6704**	**0.0375**		**780.6086**

3.3 Excavation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7431	0.0000	6.7431	3.3964	0.0000	3.3964			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665		2,873.0541	2,873.0541	0.9292		2,896.2842
Total	**1.6617**	**17.0310**	**14.7594**	**0.0297**	**6.7431**	**0.7244**	**7.4676**	**3.3964**	**0.6665**	**4.0628**		**2,873.0541**	**2,873.0541**	**0.9292**		**2,896.2842**

3.3 Excavation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0985	3.5098	1.0002	0.0150	0.3476	7.8600e-003	0.3555	0.0951	7.5200e-003	0.1026		1,607.4135	1,607.4135	0.0864		1,609.5736
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1642**	**3.5398**	**1.4707**	**0.0163**	**0.4998**	**8.8100e-003**	**0.5086**	**0.1355**	**8.4000e-003**	**0.1439**		**1,744.1185**	**1,744.1185**	**0.0894**		**1,746.3527**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.7431	0.0000	6.7431	3.3964	0.0000	3.3964			0.0000			0.0000
Off-Road	1.6617	17.0310	14.7594	0.0297		0.7244	0.7244		0.6665	0.6665	0.0000	2,873.0541	2,873.0541	0.9292		2,896.2842
Total	**1.6617**	**17.0310**	**14.7594**	**0.0297**	**6.7431**	**0.7244**	**7.4676**	**3.3964**	**0.6665**	**4.0628**	**0.0000**	**2,873.0541**	**2,873.0541**	**0.9292**		**2,896.2842**

3.3 Excavation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0985	3.5098	1.0002	0.0150	0.3476	7.8600e-003	0.3555	0.0951	7.5200e-003	0.1026		1,607.4135	1,607.4135	0.0864		1,609.5736
Worker	0.0657	0.0300	0.4705	1.3700e-003	0.1521	9.5000e-004	0.1531	0.0404	8.8000e-004	0.0412		136.7050	136.7050	2.9700e-003		136.7791
Total	**0.1642**	**3.5398**	**1.4707**	**0.0163**	**0.4998**	**8.8100e-003**	**0.5086**	**0.1355**	**8.4000e-003**	**0.1439**		**1,744.1185**	**1,744.1185**	**0.0894**		**1,746.3527**

3.4 Foundation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.4 Foundation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2462	8.7744	2.5006	0.0374	0.8690	0.0197	0.8887	0.2378	0.0188	0.2566		4,018.5337	4,018.5337	0.2160		4,023.9340
Worker	0.1642	0.0751	1.1762	3.4300e-003	0.3804	2.3900e-003	0.3827	0.1009	2.2000e-003	0.1031		341.7625	341.7625	7.4100e-003		341.9478
Total	**0.4104**	**8.8495**	**3.6768**	**0.0408**	**1.2494**	**0.0220**	**1.2714**	**0.3386**	**0.0210**	**0.3596**		**4,360.2962**	**4,360.2962**	**0.2234**		**4,365.8818**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.4 Foundation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2462	8.7744	2.5006	0.0374	0.8690	0.0197	0.8887	0.2378	0.0188	0.2566		4,018.5337	4,018.5337	0.2160		4,023.9340
Worker	0.1642	0.0751	1.1762	3.4300e-003	0.3804	2.3900e-003	0.3827	0.1009	2.2000e-003	0.1031		341.7625	341.7625	7.4100e-003		341.9478
Total	**0.4104**	**8.8495**	**3.6768**	**0.0408**	**1.2494**	**0.0220**	**1.2714**	**0.3386**	**0.0210**	**0.3596**		**4,360.2962**	**4,360.2962**	**0.2234**		**4,365.8818**

3.5 Structural Framing - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**		**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Structural Framing - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1477	5.2646	1.5004	0.0224	0.5214	0.0118	0.5332	0.1427	0.0113	0.1539		2,411.1202	2,411.1202	0.1296		2,414.3604
Worker	0.0985	0.0451	0.7057	2.0600e-003	0.2282	1.4300e-003	0.2296	0.0605	1.3200e-003	0.0619		205.0575	205.0575	4.4500e-003		205.1687
Total	**0.2463**	**5.3097**	**2.2061**	**0.0245**	**0.7496**	**0.0132**	**0.7628**	**0.2032**	**0.0126**	**0.2158**		**2,616.1777**	**2,616.1777**	**0.1341**		**2,619.5291**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	**1.4716**	**13.4438**	**16.1668**	**0.0270**		**0.6133**	**0.6133**		**0.5769**	**0.5769**	**0.0000**	**2,555.6989**	**2,555.6989**	**0.6044**		**2,570.8077**

3.5 Structural Framing - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1477	5.2646	1.5004	0.0224	0.5214	0.0118	0.5332	0.1427	0.0113	0.1539		2,411.1202	2,411.1202	0.1296		2,414.3604
Worker	0.0985	0.0451	0.7057	2.0600e-003	0.2282	1.4300e-003	0.2296	0.0605	1.3200e-003	0.0619		205.0575	205.0575	4.4500e-003		205.1687
Total	**0.2463**	**5.3097**	**2.2061**	**0.0245**	**0.7496**	**0.0132**	**0.7628**	**0.2032**	**0.0126**	**0.2158**		**2,616.1777**	**2,616.1777**	**0.1341**		**2,619.5291**

3.6 Exterior Enclosure - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**		**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Exterior Enclosure - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1477	5.2646	1.5004	0.0224	0.5214	0.0118	0.5332	0.1427	0.0113	0.1539		2,411.1202	2,411.1202	0.1296		2,414.3604
Worker	0.0985	0.0451	0.7057	2.0600e-003	0.2282	1.4300e-003	0.2296	0.0605	1.3200e-003	0.0619		205.0575	205.0575	4.4500e-003		205.1687
Total	**0.2463**	**5.3097**	**2.2061**	**0.0245**	**0.7496**	**0.0132**	**0.7628**	**0.2032**	**0.0126**	**0.2158**		**2,616.1777**	**2,616.1777**	**0.1341**		**2,619.5291**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.5472	2,207.5472	0.7140		2,225.3963
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9882**	**9.5246**	**14.6258**	**0.0228**		**0.4685**	**0.4685**		**0.4310**	**0.4310**	**0.0000**	**2,207.5472**	**2,207.5472**	**0.7140**		**2,225.3963**

3.6 Exterior Enclosure - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1477	5.2646	1.5004	0.0224	0.5214	0.0118	0.5332	0.1427	0.0113	0.1539		2,411.1202	2,411.1202	0.1296		2,414.3604
Worker	0.0985	0.0451	0.7057	2.0600e-003	0.2282	1.4300e-003	0.2296	0.0605	1.3200e-003	0.0619		205.0575	205.0575	4.4500e-003		205.1687
Total	**0.2463**	**5.3097**	**2.2061**	**0.0245**	**0.7496**	**0.0132**	**0.7628**	**0.2032**	**0.0126**	**0.2158**		**2,616.1777**	**2,616.1777**	**0.1341**		**2,619.5291**

3.7 Interior - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.4109					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**13.5916**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Interior - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3940	14.0390	4.0010	0.0598	1.3904	0.0315	1.4219	0.3804	0.0301	0.4105		6,429.6539	6,429.6539	0.3456		6,438.2943
Worker	0.2627	0.1201	1.8819	5.4900e-003	0.6086	3.8200e-003	0.6124	0.1614	3.5200e-003	0.1649		546.8200	546.8200	0.0119		547.1165
Total	**0.6567**	**14.1591**	**5.8829**	**0.0653**	**1.9990**	**0.0353**	**2.0343**	**0.5418**	**0.0336**	**0.5754**		**6,976.4740**	**6,976.4740**	**0.3575**		**6,985.4109**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.4109					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**13.5916**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

3.7 Interior - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3940	14.0390	4.0010	0.0598	1.3904	0.0315	1.4219	0.3804	0.0301	0.4105		6,429.6539	6,429.6539	0.3456		6,438.2943
Worker	0.2627	0.1201	1.8819	5.4900e-003	0.6086	3.8200e-003	0.6124	0.1614	3.5200e-003	0.1649		546.8200	546.8200	0.0119		547.1165
Total	**0.6567**	**14.1591**	**5.8829**	**0.0653**	**1.9990**	**0.0353**	**2.0343**	**0.5418**	**0.0336**	**0.5754**		**6,976.4740**	**6,976.4740**	**0.3575**		**6,985.4109**

3.7 Interior - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.4109					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**13.5817**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Interior - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3860	13.5699	3.9283	0.0594	1.3902	0.0300	1.4202	0.3803	0.0287	0.4090		6,391.5571	6,391.5571	0.3443		6,400.1638
Worker	0.2478	0.1091	1.7455	5.2700e-003	0.6086	3.7500e-003	0.6123	0.1614	3.4500e-003	0.1649		524.8985	524.8985	0.0108		525.1673
Total	**0.6338**	**13.6791**	**5.6739**	**0.0647**	**1.9987**	**0.0338**	**2.0325**	**0.5417**	**0.0322**	**0.5739**		**6,916.4556**	**6,916.4556**	**0.3550**		**6,925.3311**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.4109					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**13.5817**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Interior - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3860	13.5699	3.9283	0.0594	1.3902	0.0300	1.4202	0.3803	0.0287	0.4090		6,391.5571	6,391.5571	0.3443		6,400.1638
Worker	0.2478	0.1091	1.7455	5.2700e-003	0.6086	3.7500e-003	0.6123	0.1614	3.4500e-003	0.1649		524.8985	524.8985	0.0108		525.1673
Total	**0.6338**	**13.6791**	**5.6739**	**0.0647**	**1.9987**	**0.0338**	**2.0325**	**0.5417**	**0.0322**	**0.5739**		**6,916.4556**	**6,916.4556**	**0.3550**		**6,925.3311**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Medical Office Building	10.00	5.00	6.50	29.60	51.40	19.00	60	30	10

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710
Hospital	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710
Medical Office Building	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.0405	3.7000e-004	0.0412	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0886	0.0886	2.3000e-004		0.0944
Unmitigated	5.0405	3.7000e-004	0.0412	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0886	0.0886	2.3000e-004		0.0944

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0367					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0412	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0886	0.0886	2.3000e-004		0.0944
Total	**5.0405**	**3.7000e-004**	**0.0412**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0886**	**0.0886**	**2.3000e-004**		**0.0944**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.0367					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-003	3.7000e-004	0.0412	0.0000		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004		0.0886	0.0886	2.3000e-004		0.0944
Total	**5.0405**	**3.7000e-004**	**0.0412**	**0.0000**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**		**0.0886**	**0.0886**	**2.3000e-004**		**0.0944**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2D Construction

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	3.21	Acre	3.21	139,997.48	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Demolition -

Grading -

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	132.00
tblLandUse	LandUseSquareFeet	139,827.60	139,997.48
tblSolidWaste	SolidWasteGenerationRate	0.28	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	18.00	30.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblWater	OutdoorWaterUseRate	3,824,655.13	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.1711	1.7604	1.2450	3.0200e-003	1.2158	0.0720	1.2878	0.6617	0.0663	0.7280	0.0000	269.5577	269.5577	0.0738	0.0000	271.4014
Maximum	**0.1711**	**1.7604**	**1.2450**	**3.0200e-003**	**1.2158**	**0.0720**	**1.2878**	**0.6617**	**0.0663**	**0.7280**	**0.0000**	**269.5577**	**269.5577**	**0.0738**	**0.0000**	**271.4014**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2025	0.1711	1.7604	1.2450	3.0200e-003	1.2158	0.0720	1.2878	0.6617	0.0663	0.7280	0.0000	269.5574	269.5574	0.0738	0.0000	271.4011
Maximum	**0.1711**	**1.7604**	**1.2450**	**3.0200e-003**	**1.2158**	**0.0720**	**1.2878**	**0.6617**	**0.0663**	**0.7280**	**0.0000**	**269.5574**	**269.5574**	**0.0738**	**0.0000**	**271.4011**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**5-1-2025**	**7-31-2025**	0.9606	0.9606
2	**8-1-2025**	**9-30-2025**	0.6369	0.6369
		Highest	0.9606	0.9606

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.3200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3200e-003**	**0.0000**	**4.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**8.0000e-005**	**8.0000e-005**	**0.0000**	**0.0000**	**8.0000e-005**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.3200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3200e-003**	**0.0000**	**4.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**8.0000e-005**	**8.0000e-005**	**0.0000**	**0.0000**	**8.0000e-005**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2025	10/31/2025	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	30.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1924	0.0000	1.1924	0.6554	0.0000	0.6554	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1632	1.6654	1.1822	2.5100e-003		0.0717	0.0717		0.0660	0.0660	0.0000	220.8821	220.8821	0.0714	0.0000	222.6681
Total	**0.1632**	**1.6654**	**1.1822**	**2.5100e-003**	**1.1924**	**0.0717**	**1.2641**	**0.6554**	**0.0660**	**0.7214**	**0.0000**	**220.8821**	**220.8821**	**0.0714**	**0.0000**	**222.6681**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5800e-003	0.0920	0.0265	3.9000e-004	8.9000e-003	2.0000e-004	9.1000e-003	2.4400e-003	1.9000e-004	2.6300e-003	0.0000	38.0195	38.0195	2.1000e-003	0.0000	38.0719
Worker	5.3300e-003	2.9700e-003	0.0363	1.2000e-004	0.0145	9.0000e-005	0.0146	3.8700e-003	9.0000e-005	3.9500e-003	0.0000	10.6561	10.6561	2.2000e-004	0.0000	10.6614
Total	**7.9100e-003**	**0.0949**	**0.0628**	**5.1000e-004**	**0.0234**	**2.9000e-004**	**0.0237**	**6.3100e-003**	**2.8000e-004**	**6.5800e-003**	**0.0000**	**48.6756**	**48.6756**	**2.3200e-003**	**0.0000**	**48.7334**

3.2 Site Preparation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.1924	0.0000	1.1924	0.6554	0.0000	0.6554	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1632	1.6654	1.1822	2.5100e-003		0.0717	0.0717		0.0660	0.0660	0.0000	220.8819	220.8819	0.0714	0.0000	222.6678
Total	**0.1632**	**1.6654**	**1.1822**	**2.5100e-003**	**1.1924**	**0.0717**	**1.2641**	**0.6554**	**0.0660**	**0.7214**	**0.0000**	**220.8819**	**220.8819**	**0.0714**	**0.0000**	**222.6678**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5800e-003	0.0920	0.0265	3.9000e-004	8.9000e-003	2.0000e-004	9.1000e-003	2.4400e-003	1.9000e-004	2.6300e-003	0.0000	38.0195	38.0195	2.1000e-003	0.0000	38.0719
Worker	5.3300e-003	2.9700e-003	0.0363	1.2000e-004	0.0145	9.0000e-005	0.0146	3.8700e-003	9.0000e-005	3.9500e-003	0.0000	10.6561	10.6561	2.2000e-004	0.0000	10.6614
Total	**7.9100e-003**	**0.0949**	**0.0628**	**5.1000e-004**	**0.0234**	**2.9000e-004**	**0.0237**	**6.3100e-003**	**2.8000e-004**	**6.5800e-003**	**0.0000**	**48.6756**	**48.6756**	**2.3200e-003**	**0.0000**	**48.7334**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.3200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Unmitigated	1.3200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.3200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Total	**1.3200e-003**	**0.0000**	**4.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**8.0000e-005**	**8.0000e-005**	**0.0000**	**0.0000**	**8.0000e-005**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.3200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	0.0000	8.0000e-005
Total	**1.3200e-003**	**0.0000**	**4.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**8.0000e-005**	**8.0000e-005**	**0.0000**	**0.0000**	**8.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 2D Construction

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	3.21	Acre	3.21	139,997.48	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Demolition -

Grading -

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	132.00
tblLandUse	LandUseSquareFeet	139,827.60	139,997.48
tblSolidWaste	SolidWasteGenerationRate	0.28	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	18.00	30.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblWater	OutdoorWaterUseRate	3,824,655.13	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.6042	26.6318	18.9592	0.0460	18.4335	1.0912	19.5247	10.0292	1.0040	11.0333	0.0000	4,525.0964	4,525.0964	1.2316	0.0000	4,555.8861
Maximum	**2.6042**	**26.6318**	**18.9592**	**0.0460**	**18.4335**	**1.0912**	**19.5247**	**10.0292**	**1.0040**	**11.0333**	**0.0000**	**4,525.0964**	**4,525.0964**	**1.2316**	**0.0000**	**4,555.8861**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2025	2.6042	26.6318	18.9592	0.0460	18.4335	1.0912	19.5247	10.0292	1.0040	11.0333	0.0000	4,525.0964	4,525.0964	1.2316	0.0000	4,555.8861
Maximum	**2.6042**	**26.6318**	**18.9592**	**0.0460**	**18.4335**	**1.0912**	**19.5247**	**10.0292**	**1.0040**	**11.0333**	**0.0000**	**4,525.0964**	**4,525.0964**	**1.2316**	**0.0000**	**4,555.8861**

Phase 2D Construction - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.2400e-003	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.5000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**7.2400e-003**	**0.0000**	**3.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**7.0000e-004**	**7.0000e-004**	**0.0000**	**0.0000**	**7.5000e-004**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	7.2400e-003	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.5000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**7.2400e-003**	**0.0000**	**3.3000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**7.0000e-004**	**7.0000e-004**	**0.0000**	**0.0000**	**7.5000e-004**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/1/2025	10/31/2025	5	132	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	30.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0386	1.3570	0.3928	5.9400e-003	0.1390	3.0000e-003	0.1420	0.0380	2.8700e-003	0.0409		639.1557	639.1557	0.0344		640.0164
Worker	0.0929	0.0409	0.6546	1.9800e-003	0.2282	1.4000e-003	0.2296	0.0605	1.2900e-003	0.0618		196.8369	196.8369	4.0300e-003		196.9378
Total	**0.1315**	**1.3979**	**1.0474**	**7.9200e-003**	**0.3672**	**4.4000e-003**	**0.3716**	**0.0986**	**4.1600e-003**	**0.1027**		**835.9926**	**835.9926**	**0.0385**		**836.9541**

3.2 Site Preparation - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0386	1.3570	0.3928	5.9400e-003	0.1390	3.0000e-003	0.1420	0.0380	2.8700e-003	0.0409		639.1557	639.1557	0.0344		640.0164
Worker	0.0929	0.0409	0.6546	1.9800e-003	0.2282	1.4000e-003	0.2296	0.0605	1.2900e-003	0.0618		196.8369	196.8369	4.0300e-003		196.9378
Total	**0.1315**	**1.3979**	**1.0474**	**7.9200e-003**	**0.3672**	**4.4000e-003**	**0.3716**	**0.0986**	**4.1600e-003**	**0.1027**		**835.9926**	**835.9926**	**0.0385**		**836.9541**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.2400e-003	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.5000e-004
Unmitigated	7.2400e-003	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.5000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.2100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.5000e-004
Total	**7.2400e-003**	**0.0000**	**3.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**7.0000e-004**	**7.0000e-004**	**0.0000**		**7.5000e-004**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	7.2100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0000e-005	0.0000	3.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		7.0000e-004	7.0000e-004	0.0000		7.5000e-004
Total	**7.2400e-003**	**0.0000**	**3.3000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**7.0000e-004**	**7.0000e-004**	**0.0000**		**7.5000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3A Construction

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	1,000.00	Space	9.00	165,600.00	0
Strip Mall	41.40	1000sqft	0.95	41,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Grading - 18,400 CY export under excavation phase

Demolition -

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	20700	0
tblAreaCoating	Area_Nonresidential_Interior	62100	0
tblAreaCoating	Area_Parking	9936	0
tblConstructionPhase	NumDays	20.00	77.00
tblConstructionPhase	NumDays	230.00	43.00
tblConstructionPhase	NumDays	20.00	34.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	PhaseEndDate	2/21/2028	11/30/2027
tblConstructionPhase	PhaseEndDate	12/27/2027	6/15/2027
tblConstructionPhase	PhaseEndDate	12/28/2026	1/15/2027

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tblConstructionPhase	PhaseEndDate	2/8/2027	4/15/2027
tblConstructionPhase	PhaseEndDate	1/24/2028	8/13/2027
tblConstructionPhase	PhaseEndDate	1/11/2027	2/15/2027
tblConstructionPhase	PhaseStartDate	1/25/2028	8/16/2027
tblConstructionPhase	PhaseStartDate	2/9/2027	4/16/2027
tblConstructionPhase	PhaseStartDate	1/12/2027	2/16/2027
tblConstructionPhase	PhaseStartDate	12/28/2027	6/16/2027
tblConstructionPhase	PhaseStartDate	12/29/2026	1/16/2027
tblEnergyUse	LightingElect	5.33	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	2.98	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24NG	0.93	0.00
tblEnergyUse	T24E	3.26	0.00
tblEnergyUse	T24NG	4.49	0.00
tblGrading	AcresOfGrading	21.50	10.00
tblGrading	MaterialExported	0.00	18,400.00
tblLandUse	LandUseSquareFeet	400,000.00	165,600.00
tblSolidWaste	SolidWasteGenerationRate	43.47	0.00
tblTripsAndVMT	HaulingTripNumber	66.00	0.00
tblTripsAndVMT	HaulingTripNumber	2,300.00	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00

tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	34.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	15.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	17.00	30.00
tblTripsAndVMT	WorkerTripNumber	83.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	3,066,602.39	0.00
tblWater	OutdoorWaterUseRate	1,879,530.50	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0251	0.2366	0.2318	5.3000e-004	8.2900e-003	9.8500e-003	0.0181	1.6400e-003	9.1500e-003	0.0108	0.0000	46.8775	46.8775	0.0113	0.0000	47.1600
2027	0.3612	1.6055	1.5147	4.4400e-003	0.3971	0.0529	0.4500	0.1952	0.0491	0.2443	0.0000	407.2055	407.2055	0.0709	0.0000	408.9791
Maximum	**0.3612**	**1.6055**	**1.5147**	**4.4400e-003**	**0.3971**	**0.0529**	**0.4500**	**0.1952**	**0.0491**	**0.2443**	**0.0000**	**407.2055**	**407.2055**	**0.0709**	**0.0000**	**408.9791**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2026	0.0251	0.2366	0.2318	5.3000e-004	8.2900e-003	9.8500e-003	0.0181	1.6400e-003	9.1500e-003	0.0108	0.0000	46.8774	46.8774	0.0113	0.0000	47.1600
2027	0.3612	1.6055	1.5147	4.4400e-003	0.3971	0.0529	0.4500	0.1952	0.0491	0.2443	0.0000	407.2052	407.2052	0.0709	0.0000	408.9788
Maximum	**0.3612**	**1.6055**	**1.5147**	**4.4400e-003**	**0.3971**	**0.0529**	**0.4500**	**0.1952**	**0.0491**	**0.2443**	**0.0000**	**407.2052**	**407.2052**	**0.0709**	**0.0000**	**408.9788**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**12-1-2026**	**2-28-2027**	0.8118	0.8118
2	**3-1-2027**	**5-31-2027**	0.6452	0.6452
3	**6-1-2027**	**8-31-2027**	0.4219	0.4219
4	**9-1-2027**	**9-30-2027**	0.1103	0.1103
		Highest	0.8118	0.8118

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1736	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0258	0.0258	7.0000e-005	0.0000	0.0275
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1736**	**1.2000e-004**	**0.0133**	**0.0000**	**0.0000**	**5.0000e-005**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0258**	**0.0258**	**7.0000e-005**	**0.0000**	**0.0275**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1736	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0258	0.0258	7.0000e-005	0.0000	0.0275
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1736**	**1.2000e-004**	**0.0133**	**0.0000**	**0.0000**	**5.0000e-005**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0258**	**0.0258**	**7.0000e-005**	**0.0000**	**0.0275**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase 3A Construction - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation/Demolition	Demolition	12/1/2026	1/15/2027	5	34	
2	Excavation	Site Preparation	1/16/2027	2/15/2027	5	21	
3	Foundation	Grading	2/16/2027	4/15/2027	5	43	
4	Structural Framing	Building Construction	4/16/2027	6/15/2027	5	43	
5	Exterior Enclosures/Arch Coating	Paving	6/16/2027	8/13/2027	5	43	
6	Interior	Architectural Coating	8/16/2027	11/30/2027	5	77	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 62,100; Non-Residential Outdoor: 20,700; Striped Parking Area: 9,936 (Architectural Coating – sqft)

OffRoad Equipment

Phase 3A Construction - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Interior	Air Compressors	1	6.00	78	0.48
Site Preparation/Demolition	Excavators	3	8.00	158	0.38
Site Preparation/Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Foundation	Excavators	1	8.00	158	0.38
Structural Framing	Cranes	1	7.00	231	0.29
Structural Framing	Forklifts	3	8.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Exterior Enclosures/Arch Coating	Pavers	2	8.00	130	0.42
Exterior Enclosures/Arch Coating	Rollers	2	8.00	80	0.38
Site Preparation/Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Foundation	Rubber Tired Dozers	1	8.00	247	0.40
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Foundation	Graders	1	8.00	187	0.41
Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Exterior Enclosures/Arch Coating	Paving Equipment	2	8.00	132	0.36
Excavation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Excavation	Rubber Tired Dozers	3	8.00	247	0.40
Structural Framing	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Interior	1	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	9	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Site Preparation/Demolitio	6	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	6	50.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosures/Arch Coati	6	20.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Excavation	7	20.00	15.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation/Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0500e-003	0.0000	5.0500e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2208	0.2233	4.5000e-004		9.8100e-003	9.8100e-003		9.1100e-003	9.1100e-003	0.0000	39.0973	39.0973	0.0109	0.0000	39.3702
Total	**0.0241**	**0.2208**	**0.2233**	**4.5000e-004**	**5.0500e-003**	**9.8100e-003**	**0.0149**	**7.6000e-004**	**9.1100e-003**	**9.8700e-003**	**0.0000**	**39.0973**	**39.0973**	**0.0109**	**0.0000**	**39.3702**

3.2 Site Preparation/Demolition - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4000e-004	0.0155	4.5500e-003	7.0000e-005	1.5500e-003	3.0000e-005	1.5800e-003	4.3000e-004	3.0000e-005	4.6000e-004	0.0000	6.5883	6.5883	3.6000e-004	0.0000	6.5974
Worker	5.9000e-004	3.2000e-004	3.9200e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.1918	1.1918	2.0000e-005	0.0000	1.1924
Total	**1.0300e-003**	**0.0158**	**8.4700e-003**	**8.0000e-005**	**3.2400e-003**	**4.0000e-005**	**3.2800e-003**	**8.8000e-004**	**4.0000e-005**	**9.2000e-004**	**0.0000**	**7.7802**	**7.7802**	**3.8000e-004**	**0.0000**	**7.7898**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0500e-003	0.0000	5.0500e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2208	0.2233	4.5000e-004		9.8100e-003	9.8100e-003		9.1100e-003	9.1100e-003	0.0000	39.0973	39.0973	0.0109	0.0000	39.3702
Total	**0.0241**	**0.2208**	**0.2233**	**4.5000e-004**	**5.0500e-003**	**9.8100e-003**	**0.0149**	**7.6000e-004**	**9.1100e-003**	**9.8700e-003**	**0.0000**	**39.0973**	**39.0973**	**0.0109**	**0.0000**	**39.3702**

3.2 Site Preparation/Demolition - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4000e-004	0.0155	4.5500e-003	7.0000e-005	1.5500e-003	3.0000e-005	1.5800e-003	4.3000e-004	3.0000e-005	4.6000e-004	0.0000	6.5883	6.5883	3.6000e-004	0.0000	6.5974
Worker	5.9000e-004	3.2000e-004	3.9200e-003	1.0000e-005	1.6900e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.1918	1.1918	2.0000e-005	0.0000	1.1924
Total	**1.0300e-003**	**0.0158**	**8.4700e-003**	**8.0000e-005**	**3.2400e-003**	**4.0000e-005**	**3.2800e-003**	**8.8000e-004**	**4.0000e-005**	**9.2000e-004**	**0.0000**	**7.7802**	**7.7802**	**3.8000e-004**	**0.0000**	**7.7898**

3.2 Site Preparation/Demolition - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4100e-003	0.0000	2.4100e-003	3.7000e-004	0.0000	3.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0115	0.1056	0.1068	2.1000e-004		4.6900e-003	4.6900e-003		4.3600e-003	4.3600e-003	0.0000	18.6987	18.6987	5.2200e-003	0.0000	18.8292
Total	**0.0115**	**0.1056**	**0.1068**	**2.1000e-004**	**2.4100e-003**	**4.6900e-003**	**7.1000e-003**	**3.7000e-004**	**4.3600e-003**	**4.7300e-003**	**0.0000**	**18.6987**	**18.6987**	**5.2200e-003**	**0.0000**	**18.8292**

3.2 Site Preparation/Demolition - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	7.1900e-003	2.1400e-003	3.0000e-005	7.4000e-004	2.0000e-005	7.6000e-004	2.0000e-004	1.0000e-005	2.2000e-004	0.0000	3.1349	3.1349	1.7000e-004	0.0000	3.1393
Worker	2.7000e-004	1.4000e-004	1.7500e-003	1.0000e-005	8.1000e-004	0.0000	8.1000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.5503	0.5503	1.0000e-005	0.0000	0.5506
Total	**4.8000e-004**	**7.3300e-003**	**3.8900e-003**	**4.0000e-005**	**1.5500e-003**	**2.0000e-005**	**1.5700e-003**	**4.1000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**3.6853**	**3.6853**	**1.8000e-004**	**0.0000**	**3.6898**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.4100e-003	0.0000	2.4100e-003	3.7000e-004	0.0000	3.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0115	0.1056	0.1068	2.1000e-004		4.6900e-003	4.6900e-003		4.3600e-003	4.3600e-003	0.0000	18.6987	18.6987	5.2200e-003	0.0000	18.8292
Total	**0.0115**	**0.1056**	**0.1068**	**2.1000e-004**	**2.4100e-003**	**4.6900e-003**	**7.1000e-003**	**3.7000e-004**	**4.3600e-003**	**4.7300e-003**	**0.0000**	**18.6987**	**18.6987**	**5.2200e-003**	**0.0000**	**18.8292**

3.2 Site Preparation/Demolition - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1000e-004	7.1900e-003	2.1400e-003	3.0000e-005	7.4000e-004	2.0000e-005	7.6000e-004	2.0000e-004	1.0000e-005	2.2000e-004	0.0000	3.1349	3.1349	1.7000e-004	0.0000	3.1393
Worker	2.7000e-004	1.4000e-004	1.7500e-003	1.0000e-005	8.1000e-004	0.0000	8.1000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.5503	0.5503	1.0000e-005	0.0000	0.5506
Total	**4.8000e-004**	**7.3300e-003**	**3.8900e-003**	**4.0000e-005**	**1.5500e-003**	**2.0000e-005**	**1.5700e-003**	**4.1000e-004**	**1.0000e-005**	**4.4000e-004**	**0.0000**	**3.6853**	**3.6853**	**1.8000e-004**	**0.0000**	**3.6898**

3.3 Excavation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1916	0.0000	0.1916	0.1046	0.0000	0.1046	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0260	0.2650	0.1881	4.0000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	35.1403	35.1403	0.0114	0.0000	35.4245
Total	**0.0260**	**0.2650**	**0.1881**	**4.0000e-004**	**0.1916**	**0.0114**	**0.2030**	**0.1046**	**0.0105**	**0.1151**	**0.0000**	**35.1403**	**35.1403**	**0.0114**	**0.0000**	**35.4245**

3.3 Excavation - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4000e-004	0.0257	7.6700e-003	1.1000e-004	2.6500e-003	5.0000e-005	2.7100e-003	7.3000e-004	5.0000e-005	7.8000e-004	0.0000	11.2216	11.2216	6.2000e-004	0.0000	11.2371
Worker	5.1000e-004	2.6000e-004	3.3400e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.0506	1.0506	2.0000e-005	0.0000	1.0511
Total	**1.2500e-003**	**0.0260**	**0.0110**	**1.2000e-004**	**4.1900e-003**	**6.0000e-005**	**4.2600e-003**	**1.1400e-003**	**6.0000e-005**	**1.2000e-003**	**0.0000**	**12.2722**	**12.2722**	**6.4000e-004**	**0.0000**	**12.2882**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1916	0.0000	0.1916	0.1046	0.0000	0.1046	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0260	0.2650	0.1881	4.0000e-004		0.0114	0.0114		0.0105	0.0105	0.0000	35.1403	35.1403	0.0114	0.0000	35.4244
Total	**0.0260**	**0.2650**	**0.1881**	**4.0000e-004**	**0.1916**	**0.0114**	**0.2030**	**0.1046**	**0.0105**	**0.1151**	**0.0000**	**35.1403**	**35.1403**	**0.0114**	**0.0000**	**35.4244**

3.3 Excavation - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.4000e-004	0.0257	7.6700e-003	1.1000e-004	2.6500e-003	5.0000e-005	2.7100e-003	7.3000e-004	5.0000e-005	7.8000e-004	0.0000	11.2216	11.2216	6.2000e-004	0.0000	11.2371
Worker	5.1000e-004	2.6000e-004	3.3400e-003	1.0000e-005	1.5400e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.0506	1.0506	2.0000e-005	0.0000	1.0511
Total	**1.2500e-003**	**0.0260**	**0.0110**	**1.2000e-004**	**4.1900e-003**	**6.0000e-005**	**4.2600e-003**	**1.1400e-003**	**6.0000e-005**	**1.2000e-003**	**0.0000**	**12.2722**	**12.2722**	**6.4000e-004**	**0.0000**	**12.2882**

3.4 Foundation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1348	0.0000	0.1348	0.0717	0.0000	0.0717	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0327	0.3293	0.3126	6.4000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	56.0501	56.0501	0.0181	0.0000	56.5033
Total	**0.0327**	**0.3293**	**0.3126**	**6.4000e-004**	**0.1348**	**0.0134**	**0.1482**	**0.0717**	**0.0123**	**0.0841**	**0.0000**	**56.0501**	**56.0501**	**0.0181**	**0.0000**	**56.5033**

3.4 Foundation - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.1053	0.0314	4.7000e-004	0.0109	2.2000e-004	0.0111	2.9800e-003	2.1000e-004	3.2000e-003	0.0000	45.9552	45.9552	2.5300e-003	0.0000	46.0186
Worker	2.5900e-003	1.3500e-003	0.0171	6.0000e-005	7.9000e-003	5.0000e-005	7.9400e-003	2.1000e-003	4.0000e-005	2.1400e-003	0.0000	5.3781	5.3781	1.0000e-004	0.0000	5.3805
Total	**5.6200e-003**	**0.1067**	**0.0485**	**5.3000e-004**	**0.0188**	**2.7000e-004**	**0.0190**	**5.0800e-003**	**2.5000e-004**	**5.3400e-003**	**0.0000**	**51.3334**	**51.3334**	**2.6300e-003**	**0.0000**	**51.3991**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1348	0.0000	0.1348	0.0717	0.0000	0.0717	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0327	0.3293	0.3126	6.4000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	56.0500	56.0500	0.0181	0.0000	56.5032
Total	**0.0327**	**0.3293**	**0.3126**	**6.4000e-004**	**0.1348**	**0.0134**	**0.1482**	**0.0717**	**0.0123**	**0.0841**	**0.0000**	**56.0500**	**56.0500**	**0.0181**	**0.0000**	**56.5032**

3.4 Foundation - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0300e-003	0.1053	0.0314	4.7000e-004	0.0109	2.2000e-004	0.0111	2.9800e-003	2.1000e-004	3.2000e-003	0.0000	45.9552	45.9552	2.5300e-003	0.0000	46.0186
Worker	2.5900e-003	1.3500e-003	0.0171	6.0000e-005	7.9000e-003	5.0000e-005	7.9400e-003	2.1000e-003	4.0000e-005	2.1400e-003	0.0000	5.3781	5.3781	1.0000e-004	0.0000	5.3805
Total	**5.6200e-003**	**0.1067**	**0.0485**	**5.3000e-004**	**0.0188**	**2.7000e-004**	**0.0190**	**5.0800e-003**	**2.5000e-004**	**5.3400e-003**	**0.0000**	**51.3334**	**51.3334**	**2.6300e-003**	**0.0000**	**51.3991**

3.5 Structural Framing - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0294	0.2681	0.3458	5.8000e-004		0.0113	0.0113		0.0107	0.0107	0.0000	49.8627	49.8627	0.0117	0.0000	50.1557
Total	**0.0294**	**0.2681**	**0.3458**	**5.8000e-004**		**0.0113**	**0.0113**		**0.0107**	**0.0107**	**0.0000**	**49.8627**	**49.8627**	**0.0117**	**0.0000**	**50.1557**

3.5 Structural Framing - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0200e-003	0.0702	0.0209	3.1000e-004	7.2400e-003	1.5000e-004	7.3900e-003	1.9900e-003	1.4000e-004	2.1300e-003	0.0000	30.6368	30.6368	1.6900e-003	0.0000	30.6790
Worker	1.5600e-003	8.1000e-004	0.0103	4.0000e-005	4.7400e-003	3.0000e-005	4.7700e-003	1.2600e-003	3.0000e-005	1.2900e-003	0.0000	3.2269	3.2269	6.0000e-005	0.0000	3.2283
Total	**3.5800e-003**	**0.0710**	**0.0312**	**3.5000e-004**	**0.0120**	**1.8000e-004**	**0.0122**	**3.2500e-003**	**1.7000e-004**	**3.4200e-003**	**0.0000**	**33.8637**	**33.8637**	**1.7500e-003**	**0.0000**	**33.9074**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0294	0.2681	0.3458	5.8000e-004		0.0113	0.0113		0.0107	0.0107	0.0000	49.8626	49.8626	0.0117	0.0000	50.1557
Total	**0.0294**	**0.2681**	**0.3458**	**5.8000e-004**		**0.0113**	**0.0113**		**0.0107**	**0.0107**	**0.0000**	**49.8626**	**49.8626**	**0.0117**	**0.0000**	**50.1557**

3.5 Structural Framing - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0200e-003	0.0702	0.0209	3.1000e-004	7.2400e-003	1.5000e-004	7.3900e-003	1.9900e-003	1.4000e-004	2.1300e-003	0.0000	30.6368	30.6368	1.6900e-003	0.0000	30.6790
Worker	1.5600e-003	8.1000e-004	0.0103	4.0000e-005	4.7400e-003	3.0000e-005	4.7700e-003	1.2600e-003	3.0000e-005	1.2900e-003	0.0000	3.2269	3.2269	6.0000e-005	0.0000	3.2283
Total	**3.5800e-003**	**0.0710**	**0.0312**	**3.5000e-004**	**0.0120**	**1.8000e-004**	**0.0122**	**3.2500e-003**	**1.7000e-004**	**3.4200e-003**	**0.0000**	**33.8637**	**33.8637**	**1.7500e-003**	**0.0000**	**33.9074**

3.6 Exterior Enclosures/Arch Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0197	0.1845	0.3134	4.9000e-004		9.0000e-003	9.0000e-003		8.2800e-003	8.2800e-003	0.0000	43.0414	43.0414	0.0139	0.0000	43.3894
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0197**	**0.1845**	**0.3134**	**4.9000e-004**		**9.0000e-003**	**9.0000e-003**		**8.2800e-003**	**8.2800e-003**	**0.0000**	**43.0414**	**43.0414**	**0.0139**	**0.0000**	**43.3894**

3.6 Exterior Enclosures/Arch Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0200e-003	0.0702	0.0209	3.1000e-004	7.2400e-003	1.5000e-004	7.3900e-003	1.9900e-003	1.4000e-004	2.1300e-003	0.0000	30.6368	30.6368	1.6900e-003	0.0000	30.6790
Worker	1.0400e-003	5.4000e-004	6.8400e-003	2.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.1512	2.1512	4.0000e-005	0.0000	2.1522
Total	**3.0600e-003**	**0.0708**	**0.0278**	**3.3000e-004**	**0.0104**	**1.7000e-004**	**0.0106**	**2.8300e-003**	**1.6000e-004**	**2.9900e-003**	**0.0000**	**32.7881**	**32.7881**	**1.7300e-003**	**0.0000**	**32.8313**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0197	0.1845	0.3134	4.9000e-004		9.0000e-003	9.0000e-003		8.2800e-003	8.2800e-003	0.0000	43.0414	43.0414	0.0139	0.0000	43.3894
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0197**	**0.1845**	**0.3134**	**4.9000e-004**		**9.0000e-003**	**9.0000e-003**		**8.2800e-003**	**8.2800e-003**	**0.0000**	**43.0414**	**43.0414**	**0.0139**	**0.0000**	**43.3894**

3.6 Exterior Enclosures/Arch Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0200e-003	0.0702	0.0209	3.1000e-004	7.2400e-003	1.5000e-004	7.3900e-003	1.9900e-003	1.4000e-004	2.1300e-003	0.0000	30.6368	30.6368	1.6900e-003	0.0000	30.6790
Worker	1.0400e-003	5.4000e-004	6.8400e-003	2.0000e-005	3.1600e-003	2.0000e-005	3.1800e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.1512	2.1512	4.0000e-005	0.0000	2.1522
Total	**3.0600e-003**	**0.0708**	**0.0278**	**3.3000e-004**	**0.0104**	**1.7000e-004**	**0.0106**	**2.8300e-003**	**1.6000e-004**	**2.9900e-003**	**0.0000**	**32.7881**	**32.7881**	**1.7300e-003**	**0.0000**	**32.8313**

3.7 Interior - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5800e-003	0.0441	0.0697	1.1000e-004		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	9.8300	9.8300	5.4000e-004	0.0000	9.8434
Total	**0.2215**	**0.0441**	**0.0697**	**1.1000e-004**		**1.9800e-003**	**1.9800e-003**		**1.9800e-003**	**1.9800e-003**	**0.0000**	**9.8300**	**9.8300**	**5.4000e-004**	**0.0000**	**9.8434**

3.7 Interior - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6200e-003	0.1257	0.0375	5.6000e-004	0.0130	2.7000e-004	0.0132	3.5600e-003	2.6000e-004	3.8200e-003	0.0000	54.8613	54.8613	3.0200e-003	0.0000	54.9369
Worker	2.7900e-003	1.4500e-003	0.0184	6.0000e-005	8.4800e-003	5.0000e-005	8.5300e-003	2.2600e-003	5.0000e-005	2.3000e-003	0.0000	5.7783	5.7783	1.0000e-004	0.0000	5.7809
Total	**6.4100e-003**	**0.1272**	**0.0559**	**6.2000e-004**	**0.0215**	**3.2000e-004**	**0.0218**	**5.8200e-003**	**3.1000e-004**	**6.1200e-003**	**0.0000**	**60.6396**	**60.6396**	**3.1200e-003**	**0.0000**	**60.7178**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2149					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.5800e-003	0.0441	0.0697	1.1000e-004		1.9800e-003	1.9800e-003		1.9800e-003	1.9800e-003	0.0000	9.8300	9.8300	5.4000e-004	0.0000	9.8434
Total	**0.2215**	**0.0441**	**0.0697**	**1.1000e-004**		**1.9800e-003**	**1.9800e-003**		**1.9800e-003**	**1.9800e-003**	**0.0000**	**9.8300**	**9.8300**	**5.4000e-004**	**0.0000**	**9.8434**

3.7 Interior - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6200e-003	0.1257	0.0375	5.6000e-004	0.0130	2.7000e-004	0.0132	3.5600e-003	2.6000e-004	3.8200e-003	0.0000	54.8613	54.8613	3.0200e-003	0.0000	54.9369
Worker	2.7900e-003	1.4500e-003	0.0184	6.0000e-005	8.4800e-003	5.0000e-005	8.5300e-003	2.2600e-003	5.0000e-005	2.3000e-003	0.0000	5.7783	5.7783	1.0000e-004	0.0000	5.7809
Total	**6.4100e-003**	**0.1272**	**0.0559**	**6.2000e-004**	**0.0215**	**3.2000e-004**	**0.0218**	**5.8200e-003**	**3.1000e-004**	**6.1200e-003**	**0.0000**	**60.6396**	**60.6396**	**3.1200e-003**	**0.0000**	**60.7178**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	10.00	5.00	6.50	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Unenclosed Parking with Elevator	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1736	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0258	0.0258	7.0000e-005	0.0000	0.0275
Unmitigated	0.1736	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0258	0.0258	7.0000e-005	0.0000	0.0275

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1724					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2200e-003	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0258	0.0258	7.0000e-005	0.0000	0.0275
Total	**0.1736**	**1.2000e-004**	**0.0133**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0258**	**0.0258**	**7.0000e-005**	**0.0000**	**0.0275**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1724					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.2200e-003	1.2000e-004	0.0133	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0258	0.0258	7.0000e-005	0.0000	0.0275
Total	**0.1736**	**1.2000e-004**	**0.0133**	**0.0000**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.0258**	**0.0258**	**7.0000e-005**	**0.0000**	**0.0275**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3A Construction

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unenclosed Parking with Elevator	1,000.00	Space	9.00	165,600.00	0
Strip Mall	41.40	1000sqft	0.95	41,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2028
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 3A Construction - Sacramento County, Summer

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Grading - 18,400 CY export under excavation phase

Demolition -

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	20700	0
tblAreaCoating	Area_Nonresidential_Interior	62100	0
tblAreaCoating	Area_Parking	9936	0
tblConstructionPhase	NumDays	20.00	77.00
tblConstructionPhase	NumDays	230.00	43.00
tblConstructionPhase	NumDays	20.00	34.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	10.00	21.00
tblConstructionPhase	PhaseEndDate	2/21/2028	11/30/2027
tblConstructionPhase	PhaseEndDate	12/27/2027	6/15/2027
tblConstructionPhase	PhaseEndDate	12/28/2026	1/15/2027

Phase 3A Construction - Sacramento County, Summer

tblConstructionPhase	PhaseEndDate	2/8/2027	4/15/2027
tblConstructionPhase	PhaseEndDate	1/24/2028	8/13/2027
tblConstructionPhase	PhaseEndDate	1/11/2027	2/15/2027
tblConstructionPhase	PhaseStartDate	1/25/2028	8/16/2027
tblConstructionPhase	PhaseStartDate	2/9/2027	4/16/2027
tblConstructionPhase	PhaseStartDate	1/12/2027	2/16/2027
tblConstructionPhase	PhaseStartDate	12/28/2027	6/16/2027
tblConstructionPhase	PhaseStartDate	12/29/2026	1/16/2027
tblEnergyUse	LightingElect	5.33	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	2.98	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24NG	0.93	0.00
tblEnergyUse	T24E	3.26	0.00
tblEnergyUse	T24NG	4.49	0.00
tblGrading	AcresOfGrading	21.50	10.00
tblGrading	MaterialExported	0.00	18,400.00
tblLandUse	LandUseSquareFeet	400,000.00	165,600.00
tblSolidWaste	SolidWasteGenerationRate	43.47	0.00
tblTripsAndVMT	HaulingTripNumber	66.00	0.00
tblTripsAndVMT	HaulingTripNumber	2,300.00	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00

tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	34.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	15.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	17.00	30.00
tblTripsAndVMT	WorkerTripNumber	83.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	20.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	3,066,602.39	0.00
tblWater	OutdoorWaterUseRate	1,879,530.50	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	2.1891	20.5344	20.2119	0.0460	0.7302	0.8565	1.5867	0.1449	0.7955	0.9404	0.0000	4,509.5772	4,509.5772	1.0831	0.0000	4,536.6557
2027	5.9292	27.6443	20.1799	0.0548	18.6602	1.0928	19.7530	10.0698	1.0056	11.0753	0.0000	5,550.0962	5,550.0962	1.2592	0.0000	5,576.6633
Maximum	**5.9292**	**27.6443**	**20.2119**	**0.0548**	**18.6602**	**1.0928**	**19.7530**	**10.0698**	**1.0056**	**11.0753**	**0.0000**	**5,550.0962**	**5,550.0962**	**1.2592**	**0.0000**	**5,576.6633**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2026	2.1891	20.5344	20.2119	0.0460	0.7302	0.8565	1.5867	0.1449	0.7955	0.9404	0.0000	4,509.5772	4,509.5772	1.0831	0.0000	4,536.6557
2027	5.9292	27.6443	20.1799	0.0548	18.6602	1.0928	19.7530	10.0698	1.0056	11.0753	0.0000	5,550.0961	5,550.0961	1.2592	0.0000	5,576.6633
Maximum	**5.9292**	**27.6443**	**20.2119**	**0.0548**	**18.6602**	**1.0928**	**19.7530**	**10.0698**	**1.0056**	**11.0753**	**0.0000**	**5,550.0961**	**5,550.0961**	**1.2592**	**0.0000**	**5,576.6633**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9544	9.6000e-004	0.1061	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004		0.2279	0.2279	5.9000e-004		0.2427
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.9544**	**9.6000e-004**	**0.1061**	**1.0000e-005**	**0.0000**	**3.8000e-004**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**3.8000e-004**		**0.2279**	**0.2279**	**5.9000e-004**	**0.0000**	**0.2427**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9544	9.6000e-004	0.1061	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004		0.2279	0.2279	5.9000e-004		0.2427
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.9544**	**9.6000e-004**	**0.1061**	**1.0000e-005**	**0.0000**	**3.8000e-004**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**3.8000e-004**		**0.2279**	**0.2279**	**5.9000e-004**	**0.0000**	**0.2427**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation/Demolition	Demolition	12/1/2026	1/15/2027	5	34	
2	Excavation	Site Preparation	1/16/2027	2/15/2027	5	21	
3	Foundation	Grading	2/16/2027	4/15/2027	5	43	
4	Structural Framing	Building Construction	4/16/2027	6/15/2027	5	43	
5	Exterior Enclosures/Arch Coating	Paving	6/16/2027	8/13/2027	5	43	
6	Interior	Architectural Coating	8/16/2027	11/30/2027	5	77	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 9

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 62,100; Non-Residential Outdoor: 20,700; Striped Parking Area: 9,936 (Architectural Coating – sqft)

OffRoad Equipment

Phase 3A Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Interior	Air Compressors	1	6.00	78	0.48
Site Preparation/Demolition	Excavators	3	8.00	158	0.38
Site Preparation/Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Foundation	Excavators	1	8.00	158	0.38
Structural Framing	Cranes	1	7.00	231	0.29
Structural Framing	Forklifts	3	8.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Exterior Enclosures/Arch Coating	Pavers	2	8.00	130	0.42
Exterior Enclosures/Arch Coating	Rollers	2	8.00	80	0.38
Site Preparation/Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Foundation	Rubber Tired Dozers	1	8.00	247	0.40
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Foundation	Graders	1	8.00	187	0.41
Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Exterior Enclosures/Arch Coating	Paving Equipment	2	8.00	132	0.36
Excavation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Excavation	Rubber Tired Dozers	3	8.00	247	0.40
Structural Framing	Welders	1	8.00	46	0.45

Trips and VMT

Phase 3A Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Interior	1	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	9	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Site Preparation/Demolitio	6	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	6	50.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosures/Arch Coati	6	20.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Excavation	7	20.00	15.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation/Demolition - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4391	0.0000	0.4391	0.0665	0.0000	0.0665			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**0.4391**	**0.8528**	**1.2918**	**0.0665**	**0.7920**	**0.8585**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Site Preparation/Demolition - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0379	1.3129	0.3868	5.9100e-003	0.1390	2.8600e-003	0.1419	0.0380	2.7400e-003	0.0408		635.6308	635.6308	0.0343		636.4871
Worker	0.0586	0.0249	0.4068	1.2700e-003	0.1521	9.1000e-004	0.1531	0.0404	8.4000e-004	0.0412		126.3469	126.3469	2.4500e-003		126.4081
Total	**0.0965**	**1.3379**	**0.7935**	**7.1800e-003**	**0.2911**	**3.7700e-003**	**0.2949**	**0.0784**	**3.5800e-003**	**0.0820**		**761.9777**	**761.9777**	**0.0367**		**762.8951**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4391	0.0000	0.4391	0.0665	0.0000	0.0665			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**0.4391**	**0.8528**	**1.2918**	**0.0665**	**0.7920**	**0.8585**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Site Preparation/Demolition - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0379	1.3129	0.3868	5.9100e-003	0.1390	2.8600e-003	0.1419	0.0380	2.7400e-003	0.0408		635.6308	635.6308	0.0343		636.4871
Worker	0.0586	0.0249	0.4068	1.2700e-003	0.1521	9.1000e-004	0.1531	0.0404	8.4000e-004	0.0412		126.3469	126.3469	2.4500e-003		126.4081
Total	**0.0965**	**1.3379**	**0.7935**	**7.1800e-003**	**0.2911**	**3.7700e-003**	**0.2949**	**0.0784**	**3.5800e-003**	**0.0820**		**761.9777**	**761.9777**	**0.0367**		**762.8951**

3.2 Site Preparation/Demolition - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4391	0.0000	0.4391	0.0665	0.0000	0.0665			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920		3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**0.4391**	**0.8528**	**1.2918**	**0.0665**	**0.7920**	**0.8585**		**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Site Preparation/Demolition - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.2734	0.3815	5.8700e-003	0.1390	2.7400e-003	0.1417	0.0380	2.6200e-003	0.0406		632.3801	632.3801	0.0341		633.2314
Worker	0.0554	0.0228	0.3800	1.2200e-003	0.1521	8.6000e-004	0.1530	0.0404	8.0000e-004	0.0412		121.9862	121.9862	2.2300e-003		122.0420
Total	**0.0926**	**1.2962**	**0.7615**	**7.0900e-003**	**0.2911**	**3.6000e-003**	**0.2947**	**0.0784**	**3.4200e-003**	**0.0818**		**754.3663**	**754.3663**	**0.0363**		**755.2734**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4391	0.0000	0.4391	0.0665	0.0000	0.0665			0.0000			0.0000
Off-Road	2.0926	19.1966	19.4184	0.0388		0.8528	0.8528		0.7920	0.7920	0.0000	3,747.5996	3,747.5996	1.0464		3,773.7606
Total	**2.0926**	**19.1966**	**19.4184**	**0.0388**	**0.4391**	**0.8528**	**1.2918**	**0.0665**	**0.7920**	**0.8585**	**0.0000**	**3,747.5996**	**3,747.5996**	**1.0464**		**3,773.7606**

3.2 Site Preparation/Demolition - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.2734	0.3815	5.8700e-003	0.1390	2.7400e-003	0.1417	0.0380	2.6200e-003	0.0406		632.3801	632.3801	0.0341		633.2314
Worker	0.0554	0.0228	0.3800	1.2200e-003	0.1521	8.6000e-004	0.1530	0.0404	8.0000e-004	0.0412		121.9862	121.9862	2.2300e-003		122.0420
Total	**0.0926**	**1.2962**	**0.7615**	**7.0900e-003**	**0.2911**	**3.6000e-003**	**0.2947**	**0.0784**	**3.4200e-003**	**0.0818**		**754.3663**	**754.3663**	**0.0363**		**755.2734**

3.3 Excavation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2475	0.0000	18.2475	9.9581	0.0000	9.9581			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.2475**	**1.0868**	**19.3343**	**9.9581**	**0.9999**	**10.9580**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.3 Excavation - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0697	2.3876	0.7153	0.0110	0.2606	5.1400e-003	0.2657	0.0713	4.9200e-003	0.0762		1,185.7127	1,185.7127	0.0639		1,187.3089
Worker	0.0554	0.0228	0.3800	1.2200e-003	0.1521	8.6000e-004	0.1530	0.0404	8.0000e-004	0.0412		121.9862	121.9862	2.2300e-003		122.0420
Total	**0.1252**	**2.4104**	**1.0953**	**0.0122**	**0.4127**	**6.0000e-003**	**0.4187**	**0.1116**	**5.7200e-003**	**0.1173**		**1,307.6989**	**1,307.6989**	**0.0661**		**1,309.3509**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2475	0.0000	18.2475	9.9581	0.0000	9.9581			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.2475**	**1.0868**	**19.3343**	**9.9581**	**0.9999**	**10.9580**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.3 Excavation - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0697	2.3876	0.7153	0.0110	0.2606	5.1400e-003	0.2657	0.0713	4.9200e-003	0.0762		1,185.7127	1,185.7127	0.0639		1,187.3089
Worker	0.0554	0.0228	0.3800	1.2200e-003	0.1521	8.6000e-004	0.1530	0.0404	8.0000e-004	0.0412		121.9862	121.9862	2.2300e-003		122.0420
Total	**0.1252**	**2.4104**	**1.0953**	**0.0122**	**0.4127**	**6.0000e-003**	**0.4187**	**0.1116**	**5.7200e-003**	**0.1173**		**1,307.6989**	**1,307.6989**	**0.0661**		**1,309.3509**

3.4 Foundation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2687	0.0000	6.2687	3.3369	0.0000	3.3369			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.7052	2,873.7052	0.9294		2,896.9405
Total	**1.5227**	**15.3148**	**14.5402**	**0.0297**	**6.2687**	**0.6236**	**6.8923**	**3.3369**	**0.5737**	**3.9105**		**2,873.7052**	**2,873.7052**	**0.9294**		**2,896.9405**

3.4 Foundation - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1395	4.7751	1.4306	0.0220	0.5212	0.0103	0.5314	0.1426	9.8300e-003	0.1524		2,371.4254	2,371.4254	0.1277		2,374.6178
Worker	0.1385	0.0570	0.9501	3.0600e-003	0.3804	2.1600e-003	0.3825	0.1009	1.9900e-003	0.1029		304.9656	304.9656	5.5800e-003		305.1051
Total	**0.2780**	**4.8322**	**2.3807**	**0.0251**	**0.9015**	**0.0124**	**0.9139**	**0.2434**	**0.0118**	**0.2553**		**2,676.3910**	**2,676.3910**	**0.1333**		**2,679.7228**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2687	0.0000	6.2687	3.3369	0.0000	3.3369			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737	0.0000	2,873.7052	2,873.7052	0.9294		2,896.9405
Total	**1.5227**	**15.3148**	**14.5402**	**0.0297**	**6.2687**	**0.6236**	**6.8923**	**3.3369**	**0.5737**	**3.9105**	**0.0000**	**2,873.7052**	**2,873.7052**	**0.9294**		**2,896.9405**

3.4 Foundation - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1395	4.7751	1.4306	0.0220	0.5212	0.0103	0.5314	0.1426	9.8300e-003	0.1524		2,371.4254	2,371.4254	0.1277		2,374.6178
Worker	0.1385	0.0570	0.9501	3.0600e-003	0.3804	2.1600e-003	0.3825	0.1009	1.9900e-003	0.1029		304.9656	304.9656	5.5800e-003		305.1051
Total	**0.2780**	**4.8322**	**2.3807**	**0.0251**	**0.9015**	**0.0124**	**0.9139**	**0.2434**	**0.0118**	**0.2553**		**2,676.3910**	**2,676.3910**	**0.1333**		**2,679.7228**

3.5 Structural Framing - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Structural Framing - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0930	3.1834	0.9537	0.0147	0.3474	6.8500e-003	0.3543	0.0950	6.5600e-003	0.1016		1,580.9503	1,580.9503	0.0851		1,583.0785
Worker	0.0831	0.0342	0.5701	1.8400e-003	0.2282	1.3000e-003	0.2295	0.0605	1.1900e-003	0.0617		182.9793	182.9793	3.3500e-003		183.0630
Total	**0.1761**	**3.2177**	**1.5238**	**0.0165**	**0.5756**	**8.1500e-003**	**0.5838**	**0.1556**	**7.7500e-003**	**0.1633**		**1,763.9296**	**1,763.9296**	**0.0885**		**1,766.1415**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.5 Structural Framing - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0930	3.1834	0.9537	0.0147	0.3474	6.8500e-003	0.3543	0.0950	6.5600e-003	0.1016		1,580.9503	1,580.9503	0.0851		1,583.0785
Worker	0.0831	0.0342	0.5701	1.8400e-003	0.2282	1.3000e-003	0.2295	0.0605	1.1900e-003	0.0617		182.9793	182.9793	3.3500e-003		183.0630
Total	**0.1761**	**3.2177**	**1.5238**	**0.0165**	**0.5756**	**8.1500e-003**	**0.5838**	**0.1556**	**7.7500e-003**	**0.1633**		**1,763.9296**	**1,763.9296**	**0.0885**		**1,766.1415**

3.6 Exterior Enclosures/Arch Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**		**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

3.6 Exterior Enclosures/Arch Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0930	3.1834	0.9537	0.0147	0.3474	6.8500e-003	0.3543	0.0950	6.5600e-003	0.1016		1,580.9503	1,580.9503	0.0851		1,583.0785
Worker	0.0554	0.0228	0.3800	1.2200e-003	0.1521	8.6000e-004	0.1530	0.0404	8.0000e-004	0.0412		121.9862	121.9862	2.2300e-003		122.0420
Total	**0.1484**	**3.2063**	**1.3338**	**0.0159**	**0.4996**	**7.7100e-003**	**0.5073**	**0.1354**	**7.3600e-003**	**0.1427**		**1,702.9365**	**1,702.9365**	**0.0874**		**1,705.1205**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9152**	**8.5816**	**14.5780**	**0.0228**		**0.4185**	**0.4185**		**0.3850**	**0.3850**	**0.0000**	**2,206.7452**	**2,206.7452**	**0.7137**		**2,224.5878**

3.6 Exterior Enclosures/Arch Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0930	3.1834	0.9537	0.0147	0.3474	6.8500e-003	0.3543	0.0950	6.5600e-003	0.1016		1,580.9503	1,580.9503	0.0851		1,583.0785
Worker	0.0554	0.0228	0.3800	1.2200e-003	0.1521	8.6000e-004	0.1530	0.0404	8.0000e-004	0.0412		121.9862	121.9862	2.2300e-003		122.0420
Total	**0.1484**	**3.2063**	**1.3338**	**0.0159**	**0.4996**	**7.7100e-003**	**0.5073**	**0.1354**	**7.3600e-003**	**0.1427**		**1,702.9365**	**1,702.9365**	**0.0874**		**1,705.1205**

3.7 Interior - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.5822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**5.7531**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Interior - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0930	3.1834	0.9537	0.0147	0.3474	6.8500e-003	0.3543	0.0950	6.5600e-003	0.1016		1,580.9503	1,580.9503	0.0851		1,583.0785
Worker	0.0831	0.0342	0.5701	1.8400e-003	0.2282	1.3000e-003	0.2295	0.0605	1.1900e-003	0.0617		182.9793	182.9793	3.3500e-003		183.0630
Total	**0.1761**	**3.2177**	**1.5238**	**0.0165**	**0.5756**	**8.1500e-003**	**0.5838**	**0.1556**	**7.7500e-003**	**0.1633**		**1,763.9296**	**1,763.9296**	**0.0885**		**1,766.1415**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.5822					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**5.7531**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Interior - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0930	3.1834	0.9537	0.0147	0.3474	6.8500e-003	0.3543	0.0950	6.5600e-003	0.1016		1,580.9503	1,580.9503	0.0851		1,583.0785
Worker	0.0831	0.0342	0.5701	1.8400e-003	0.2282	1.3000e-003	0.2295	0.0605	1.1900e-003	0.0617		182.9793	182.9793	3.3500e-003		183.0630
Total	**0.1761**	**3.2177**	**1.5238**	**0.0165**	**0.5756**	**8.1500e-003**	**0.5838**	**0.1556**	**7.7500e-003**	**0.1633**		**1,763.9296**	**1,763.9296**	**0.0885**		**1,766.1415**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Strip Mall	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Strip Mall	10.00	5.00	6.50	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Strip Mall	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658
Unenclosed Parking with Elevator	0.574521	0.035271	0.210873	0.107638	0.013399	0.004562	0.018333	0.025065	0.001898	0.001611	0.005555	0.000614	0.000658

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9544	9.6000e-004	0.1061	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004		0.2279	0.2279	5.9000e-004		0.2427
Unmitigated	0.9544	9.6000e-004	0.1061	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004		0.2279	0.2279	5.9000e-004		0.2427

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.7600e-003	9.6000e-004	0.1061	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004		0.2279	0.2279	5.9000e-004		0.2427
Total	**0.9544**	**9.6000e-004**	**0.1061**	**1.0000e-005**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**		**0.2279**	**0.2279**	**5.9000e-004**		**0.2427**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9446					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.7600e-003	9.6000e-004	0.1061	1.0000e-005		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004		0.2279	0.2279	5.9000e-004		0.2427
Total	**0.9544**	**9.6000e-004**	**0.1061**	**1.0000e-005**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**		**0.2279**	**0.2279**	**5.9000e-004**		**0.2427**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3B Construction

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	150.00	Dwelling Unit	3.95	96,000.00	401
General Office Building	24.00	1000sqft	0.55	24,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2029
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 3B Construction - Sacramento County, Annual

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Grading - No material exported

Demolition -

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	12000	0
tblAreaCoating	Area_Nonresidential_Interior	36000	0
tblAreaCoating	Area_Residential_Exterior	64800	0
tblAreaCoating	Area_Residential_Interior	194400	0
tblConstructionPhase	NumDays	18.00	98.00
tblConstructionPhase	NumDays	230.00	33.00
tblConstructionPhase	NumDays	8.00	22.00
tblConstructionPhase	NumDays	18.00	54.00
tblConstructionPhase	NumDays	5.00	55.00
tblConstructionPhase	PhaseEndDate	12/21/2028	12/29/2028
tblConstructionPhase	PhaseEndDate	11/1/2028	3/31/2028
tblConstructionPhase	PhaseEndDate	12/15/2027	2/15/2028

tblConstructionPhase	PhaseEndDate	11/27/2028	8/15/2028
tblConstructionPhase	PhaseEndDate	12/3/2027	1/14/2028
tblConstructionPhase	PhaseStartDate	11/28/2028	8/16/2028
tblConstructionPhase	PhaseStartDate	12/16/2027	2/16/2028
tblConstructionPhase	PhaseStartDate	12/4/2027	1/16/2028
tblConstructionPhase	PhaseStartDate	11/2/2028	6/1/2028
tblConstructionPhase	PhaseStartDate	11/27/2027	11/1/2027
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.71	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	460.92	0.00
tblEnergyUse	T24E	4.98	0.00
tblEnergyUse	T24NG	7,061.10	0.00
tblEnergyUse	T24NG	12.42	0.00
tblGrading	AcresOfGrading	11.00	4.00
tblLandUse	LandUseSquareFeet	150,000.00	96,000.00
tblSolidWaste	SolidWasteGenerationRate	69.00	0.00
tblSolidWaste	SolidWasteGenerationRate	22.32	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00

tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	23.00	60.00
tblTripsAndVMT	WorkerTripNumber	116.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblWater	IndoorWaterUseRate	9,773,103.84	0.00
tblWater	IndoorWaterUseRate	4,265,609.95	0.00
tblWater	OutdoorWaterUseRate	6,161,304.60	0.00
tblWater	OutdoorWaterUseRate	2,614,406.10	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.0576	0.5977	0.4189	1.0100e-003	0.4128	0.0245	0.4374	0.2252	0.0226	0.2477	0.0000	90.3767	90.3767	0.0251	0.0000	91.0043
2028	0.8149	1.1181	1.1081	3.4800e-003	0.2301	0.0340	0.2640	0.1056	0.0317	0.1373	0.0000	320.3084	320.3084	0.0473	0.0000	321.4910
Maximum	**0.8149**	**1.1181**	**1.1081**	**3.4800e-003**	**0.4128**	**0.0340**	**0.4374**	**0.2252**	**0.0317**	**0.2477**	**0.0000**	**320.3084**	**320.3084**	**0.0473**	**0.0000**	**321.4910**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.0576	0.5977	0.4189	1.0100e-003	0.4128	0.0245	0.4374	0.2252	0.0226	0.2477	0.0000	90.3767	90.3767	0.0251	0.0000	91.0042
2028	0.8149	1.1181	1.1081	3.4800e-003	0.2301	0.0340	0.2640	0.1056	0.0317	0.1373	0.0000	320.3082	320.3082	0.0473	0.0000	321.4909
Maximum	**0.8149**	**1.1181**	**1.1081**	**3.4800e-003**	**0.4128**	**0.0340**	**0.4374**	**0.2252**	**0.0317**	**0.2477**	**0.0000**	**320.3082**	**320.3082**	**0.0473**	**0.0000**	**321.4909**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**11-1-2027**	**1-31-2028**	0.9055	0.9055
2	**2-1-2028**	**4-30-2028**	0.3944	0.3944
3	**5-1-2028**	**7-31-2028**	0.2531	0.2531
4	**8-1-2028**	**9-30-2028**	0.3786	0.3786
		Highest	0.9055	0.9055

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5151	0.0178	1.5457	8.0000e-005		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	2.5274	2.5274	2.4200e-003	0.0000	2.5880
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.5151**	**0.0178**	**1.5457**	**8.0000e-005**	**0.0000**	**8.5800e-003**	**8.5800e-003**	**0.0000**	**8.5800e-003**	**8.5800e-003**	**0.0000**	**2.5274**	**2.5274**	**2.4200e-003**	**0.0000**	**2.5880**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5151	0.0178	1.5457	8.0000e-005		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	2.5274	2.5274	2.4200e-003	0.0000	2.5880
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.5151**	**0.0178**	**1.5457**	**8.0000e-005**	**0.0000**	**8.5800e-003**	**8.5800e-003**	**0.0000**	**8.5800e-003**	**8.5800e-003**	**0.0000**	**2.5274**	**2.5274**	**2.4200e-003**	**0.0000**	**2.5880**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase 3B Construction - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/1/2027	1/14/2028	5	55	
2	Foundation	Grading	1/16/2028	2/15/2028	5	22	
3	Structural Framing	Building Construction	2/16/2028	3/31/2028	5	33	
4	Exterior Enclosures/Arch Coating	Paving	6/1/2028	8/15/2028	5	54	
5	Interior	Architectural Coating	8/16/2028	12/29/2028	5	98	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 194,400; Residential Outdoor: 64,800; Non-Residential Indoor: 36,000; Non-Residential Outdoor: 12,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase 3B Construction - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Interior	Air Compressors	1	6.00	78	0.48
Foundation	Excavators	1	8.00	158	0.38
Structural Framing	Cranes	1	7.00	231	0.29
Structural Framing	Forklifts	3	8.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Exterior Enclosures/Arch Coating	Pavers	1	8.00	130	0.42
Exterior Enclosures/Arch Coating	Rollers	2	6.00	80	0.38
Foundation	Rubber Tired Dozers	1	8.00	247	0.40
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Foundation	Graders	1	8.00	187	0.41
Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Exterior Enclosures/Arch Coating	Paving Equipment	2	6.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Structural Framing	Welders	1	8.00	46	0.45
Exterior Enclosures/Arch Coating	Cement and Mortar Mixers	2	6.00	9	0.56
Exterior Enclosures/Arch Coating	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Interior	1	60.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	9	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	6	50.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosures/Arch Coati	8	20.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Site Preparation	7	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4065	0.0000	0.4065	0.2234	0.0000	0.2234	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0556	0.5678	0.4030	8.6000e-004		0.0245	0.0245		0.0225	0.0225	0.0000	75.3007	75.3007	0.0244	0.0000	75.9096
Total	**0.0556**	**0.5678**	**0.4030**	**8.6000e-004**	**0.4065**	**0.0245**	**0.4309**	**0.2234**	**0.0225**	**0.2459**	**0.0000**	**75.3007**	**75.3007**	**0.0244**	**0.0000**	**75.9096**

3.2 Site Preparation - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.5000e-004	0.0294	8.7700e-003	1.3000e-004	3.0300e-003	6.0000e-005	3.0900e-003	8.3000e-004	6.0000e-005	8.9000e-004	0.0000	12.8247	12.8247	7.1000e-004	0.0000	12.8424
Worker	1.0900e-003	5.7000e-004	7.1600e-003	2.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.2513	2.2513	4.0000e-005	0.0000	2.2523
Total	**1.9400e-003**	**0.0300**	**0.0159**	**1.5000e-004**	**6.3300e-003**	**8.0000e-005**	**6.4100e-003**	**1.7100e-003**	**8.0000e-005**	**1.7900e-003**	**0.0000**	**15.0760**	**15.0760**	**7.5000e-004**	**0.0000**	**15.0947**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4065	0.0000	0.4065	0.2234	0.0000	0.2234	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0556	0.5678	0.4030	8.6000e-004		0.0245	0.0245		0.0225	0.0225	0.0000	75.3006	75.3006	0.0244	0.0000	75.9095
Total	**0.0556**	**0.5678**	**0.4030**	**8.6000e-004**	**0.4065**	**0.0245**	**0.4309**	**0.2234**	**0.0225**	**0.2459**	**0.0000**	**75.3006**	**75.3006**	**0.0244**	**0.0000**	**75.9095**

3.2 Site Preparation - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.5000e-004	0.0294	8.7700e-003	1.3000e-004	3.0300e-003	6.0000e-005	3.0900e-003	8.3000e-004	6.0000e-005	8.9000e-004	0.0000	12.8247	12.8247	7.1000e-004	0.0000	12.8424
Worker	1.0900e-003	5.7000e-004	7.1600e-003	2.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	9.0000e-004	0.0000	2.2513	2.2513	4.0000e-005	0.0000	2.2523
Total	**1.9400e-003**	**0.0300**	**0.0159**	**1.5000e-004**	**6.3300e-003**	**8.0000e-005**	**6.4100e-003**	**1.7100e-003**	**8.0000e-005**	**1.7900e-003**	**0.0000**	**15.0760**	**15.0760**	**7.5000e-004**	**0.0000**	**15.0947**

3.2 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1262	0.0896	1.9000e-004		5.4300e-003	5.4300e-003		5.0000e-003	5.0000e-003	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688
Total	**0.0124**	**0.1262**	**0.0896**	**1.9000e-004**	**0.0903**	**5.4300e-003**	**0.0958**	**0.0497**	**5.0000e-003**	**0.0547**	**0.0000**	**16.7335**	**16.7335**	**5.4100e-003**	**0.0000**	**16.8688**

3.2 Site Preparation - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	6.3600e-003	1.9200e-003	3.0000e-005	6.7000e-004	1.0000e-005	6.9000e-004	1.8000e-004	1.0000e-005	2.0000e-004	0.0000	2.8378	2.8378	1.6000e-004	0.0000	2.8417
Worker	2.3000e-004	1.2000e-004	1.4900e-003	1.0000e-005	7.3000e-004	0.0000	7.4000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.4844	0.4844	1.0000e-005	0.0000	0.4846
Total	**4.2000e-004**	**6.4800e-003**	**3.4100e-003**	**4.0000e-005**	**1.4000e-003**	**1.0000e-005**	**1.4300e-003**	**3.8000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**3.3222**	**3.3222**	**1.7000e-004**	**0.0000**	**3.3263**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1262	0.0896	1.9000e-004		5.4300e-003	5.4300e-003		5.0000e-003	5.0000e-003	0.0000	16.7335	16.7335	5.4100e-003	0.0000	16.8688
Total	**0.0124**	**0.1262**	**0.0896**	**1.9000e-004**	**0.0903**	**5.4300e-003**	**0.0958**	**0.0497**	**5.0000e-003**	**0.0547**	**0.0000**	**16.7335**	**16.7335**	**5.4100e-003**	**0.0000**	**16.8688**

3.2 Site Preparation - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	6.3600e-003	1.9200e-003	3.0000e-005	6.7000e-004	1.0000e-005	6.9000e-004	1.8000e-004	1.0000e-005	2.0000e-004	0.0000	2.8378	2.8378	1.6000e-004	0.0000	2.8417
Worker	2.3000e-004	1.2000e-004	1.4900e-003	1.0000e-005	7.3000e-004	0.0000	7.4000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.4844	0.4844	1.0000e-005	0.0000	0.4846
Total	**4.2000e-004**	**6.4800e-003**	**3.4100e-003**	**4.0000e-005**	**1.4000e-003**	**1.0000e-005**	**1.4300e-003**	**3.8000e-004**	**1.0000e-005**	**4.0000e-004**	**0.0000**	**3.3222**	**3.3222**	**1.7000e-004**	**0.0000**	**3.3263**

3.3 Foundation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0684	0.0000	0.0684	0.0366	0.0000	0.0366	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0168	0.1685	0.1599	3.3000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	28.6768	28.6768	9.2700e-003	0.0000	28.9087
Total	**0.0168**	**0.1685**	**0.1599**	**3.3000e-004**	**0.0684**	**6.8600e-003**	**0.0752**	**0.0366**	**6.3100e-003**	**0.0430**	**0.0000**	**28.6768**	**28.6768**	**9.2700e-003**	**0.0000**	**28.9087**

3.3 Foundation - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0525	0.0159	2.4000e-004	5.5600e-003	1.1000e-004	5.6700e-003	1.5300e-003	1.1000e-004	1.6300e-003	0.0000	23.4115	23.4115	1.2900e-003	0.0000	23.4437
Worker	1.2500e-003	6.3000e-004	8.1900e-003	3.0000e-005	4.0400e-003	2.0000e-005	4.0600e-003	1.0700e-003	2.0000e-005	1.0900e-003	0.0000	2.6642	2.6642	5.0000e-005	0.0000	2.6653
Total	**2.7800e-003**	**0.0531**	**0.0241**	**2.7000e-004**	**9.6000e-003**	**1.3000e-004**	**9.7300e-003**	**2.6000e-003**	**1.3000e-004**	**2.7200e-003**	**0.0000**	**26.0757**	**26.0757**	**1.3400e-003**	**0.0000**	**26.1091**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0684	0.0000	0.0684	0.0366	0.0000	0.0366	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0168	0.1685	0.1599	3.3000e-004		6.8600e-003	6.8600e-003		6.3100e-003	6.3100e-003	0.0000	28.6768	28.6768	9.2700e-003	0.0000	28.9086
Total	**0.0168**	**0.1685**	**0.1599**	**3.3000e-004**	**0.0684**	**6.8600e-003**	**0.0752**	**0.0366**	**6.3100e-003**	**0.0430**	**0.0000**	**28.6768**	**28.6768**	**9.2700e-003**	**0.0000**	**28.9086**

3.3 Foundation - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0525	0.0159	2.4000e-004	5.5600e-003	1.1000e-004	5.6700e-003	1.5300e-003	1.1000e-004	1.6300e-003	0.0000	23.4115	23.4115	1.2900e-003	0.0000	23.4437
Worker	1.2500e-003	6.3000e-004	8.1900e-003	3.0000e-005	4.0400e-003	2.0000e-005	4.0600e-003	1.0700e-003	2.0000e-005	1.0900e-003	0.0000	2.6642	2.6642	5.0000e-005	0.0000	2.6653
Total	**2.7800e-003**	**0.0531**	**0.0241**	**2.7000e-004**	**9.6000e-003**	**1.3000e-004**	**9.7300e-003**	**2.6000e-003**	**1.3000e-004**	**2.7200e-003**	**0.0000**	**26.0757**	**26.0757**	**1.3400e-003**	**0.0000**	**26.1091**

3.4 Structural Framing - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0226	0.2058	0.2654	4.4000e-004		8.7000e-003	8.7000e-003		8.1900e-003	8.1900e-003	0.0000	38.2667	38.2667	9.0000e-003	0.0000	38.4916
Total	**0.0226**	**0.2058**	**0.2654**	**4.4000e-004**		**8.7000e-003**	**8.7000e-003**		**8.1900e-003**	**8.1900e-003**	**0.0000**	**38.2667**	**38.2667**	**9.0000e-003**	**0.0000**	**38.4916**

3.4 Structural Framing - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0525	0.0159	2.4000e-004	5.5600e-003	1.1000e-004	5.6700e-003	1.5300e-003	1.1000e-004	1.6300e-003	0.0000	23.4115	23.4115	1.2900e-003	0.0000	23.4437
Worker	1.1200e-003	5.7000e-004	7.3700e-003	3.0000e-005	3.6400e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.3978	2.3978	4.0000e-005	0.0000	2.3988
Total	**2.6500e-003**	**0.0530**	**0.0233**	**2.7000e-004**	**9.2000e-003**	**1.3000e-004**	**9.3300e-003**	**2.5000e-003**	**1.3000e-004**	**2.6200e-003**	**0.0000**	**25.8093**	**25.8093**	**1.3300e-003**	**0.0000**	**25.8425**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0226	0.2058	0.2654	4.4000e-004		8.7000e-003	8.7000e-003		8.1900e-003	8.1900e-003	0.0000	38.2667	38.2667	9.0000e-003	0.0000	38.4916
Total	**0.0226**	**0.2058**	**0.2654**	**4.4000e-004**		**8.7000e-003**	**8.7000e-003**		**8.1900e-003**	**8.1900e-003**	**0.0000**	**38.2667**	**38.2667**	**9.0000e-003**	**0.0000**	**38.4916**

3.4 Structural Framing - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0525	0.0159	2.4000e-004	5.5600e-003	1.1000e-004	5.6700e-003	1.5300e-003	1.1000e-004	1.6300e-003	0.0000	23.4115	23.4115	1.2900e-003	0.0000	23.4437
Worker	1.1200e-003	5.7000e-004	7.3700e-003	3.0000e-005	3.6400e-003	2.0000e-005	3.6600e-003	9.7000e-004	2.0000e-005	9.9000e-004	0.0000	2.3978	2.3978	4.0000e-005	0.0000	2.3988
Total	**2.6500e-003**	**0.0530**	**0.0233**	**2.7000e-004**	**9.2000e-003**	**1.3000e-004**	**9.3300e-003**	**2.5000e-003**	**1.3000e-004**	**2.6200e-003**	**0.0000**	**25.8093**	**25.8093**	**1.3300e-003**	**0.0000**	**25.8425**

3.5 Exterior Enclosures/Arch Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0221	0.2034	0.3288	5.1000e-004		9.5100e-003	9.5100e-003		8.8000e-003	8.8000e-003	0.0000	44.2213	44.2213	0.0139	0.0000	44.5686
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0221**	**0.2034**	**0.3288**	**5.1000e-004**		**9.5100e-003**	**9.5100e-003**		**8.8000e-003**	**8.8000e-003**	**0.0000**	**44.2213**	**44.2213**	**0.0139**	**0.0000**	**44.5686**

3.5 Exterior Enclosures/Arch Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5000e-003	0.0859	0.0260	3.9000e-004	9.1000e-003	1.8000e-004	9.2800e-003	2.5000e-003	1.7000e-004	2.6700e-003	0.0000	38.3098	38.3098	2.1100e-003	0.0000	38.3625
Worker	1.2300e-003	6.2000e-004	8.0500e-003	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	2.6158	2.6158	4.0000e-005	0.0000	2.6169
Total	**3.7300e-003**	**0.0865**	**0.0340**	**4.2000e-004**	**0.0131**	**2.0000e-004**	**0.0133**	**3.5500e-003**	**1.9000e-004**	**3.7400e-003**	**0.0000**	**40.9255**	**40.9255**	**2.1500e-003**	**0.0000**	**40.9793**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0221	0.2034	0.3288	5.1000e-004		9.5100e-003	9.5100e-003		8.8000e-003	8.8000e-003	0.0000	44.2212	44.2212	0.0139	0.0000	44.5686
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0221**	**0.2034**	**0.3288**	**5.1000e-004**		**9.5100e-003**	**9.5100e-003**		**8.8000e-003**	**8.8000e-003**	**0.0000**	**44.2212**	**44.2212**	**0.0139**	**0.0000**	**44.5686**

3.5 Exterior Enclosures/Arch Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5000e-003	0.0859	0.0260	3.9000e-004	9.1000e-003	1.8000e-004	9.2800e-003	2.5000e-003	1.7000e-004	2.6700e-003	0.0000	38.3098	38.3098	2.1100e-003	0.0000	38.3625
Worker	1.2300e-003	6.2000e-004	8.0500e-003	3.0000e-005	3.9700e-003	2.0000e-005	3.9900e-003	1.0500e-003	2.0000e-005	1.0700e-003	0.0000	2.6158	2.6158	4.0000e-005	0.0000	2.6169
Total	**3.7300e-003**	**0.0865**	**0.0340**	**4.2000e-004**	**0.0131**	**2.0000e-004**	**0.0133**	**3.5500e-003**	**1.9000e-004**	**3.7400e-003**	**0.0000**	**40.9255**	**40.9255**	**2.1500e-003**	**0.0000**	**40.9793**

3.6 Interior - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3700e-003	0.0561	0.0887	1.5000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003	0.0000	12.5109	12.5109	6.8000e-004	0.0000	12.5280
Total	**0.7203**	**0.0561**	**0.0887**	**1.5000e-004**		**2.5200e-003**	**2.5200e-003**		**2.5200e-003**	**2.5200e-003**	**0.0000**	**12.5109**	**12.5109**	**6.8000e-004**	**0.0000**	**12.5280**

3.6 Interior - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5400e-003	0.1558	0.0472	7.1000e-004	0.0165	3.3000e-004	0.0168	4.5300e-003	3.1000e-004	4.8400e-003	0.0000	69.5251	69.5251	3.8300e-003	0.0000	69.6208
Worker	6.6800e-003	3.3900e-003	0.0438	1.6000e-004	0.0216	1.2000e-004	0.0217	5.7400e-003	1.1000e-004	5.8500e-003	0.0000	14.2413	14.2413	2.4000e-004	0.0000	14.2474
Total	**0.0112**	**0.1592**	**0.0910**	**8.7000e-004**	**0.0381**	**4.5000e-004**	**0.0385**	**0.0103**	**4.2000e-004**	**0.0107**	**0.0000**	**83.7665**	**83.7665**	**4.0700e-003**	**0.0000**	**83.8682**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.3700e-003	0.0561	0.0887	1.5000e-004		2.5200e-003	2.5200e-003		2.5200e-003	2.5200e-003	0.0000	12.5109	12.5109	6.8000e-004	0.0000	12.5280
Total	**0.7203**	**0.0561**	**0.0887**	**1.5000e-004**		**2.5200e-003**	**2.5200e-003**		**2.5200e-003**	**2.5200e-003**	**0.0000**	**12.5109**	**12.5109**	**6.8000e-004**	**0.0000**	**12.5280**

3.6 Interior - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5400e-003	0.1558	0.0472	7.1000e-004	0.0165	3.3000e-004	0.0168	4.5300e-003	3.1000e-004	4.8400e-003	0.0000	69.5251	69.5251	3.8300e-003	0.0000	69.6208
Worker	6.6800e-003	3.3900e-003	0.0438	1.6000e-004	0.0216	1.2000e-004	0.0217	5.7400e-003	1.1000e-004	5.8500e-003	0.0000	14.2413	14.2413	2.4000e-004	0.0000	14.2474
Total	**0.0112**	**0.1592**	**0.0910**	**8.7000e-004**	**0.0381**	**4.5000e-004**	**0.0385**	**0.0103**	**4.2000e-004**	**0.0107**	**0.0000**	**83.7665**	**83.7665**	**4.0700e-003**	**0.0000**	**83.8682**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.575787	0.034976	0.211293	0.106793	0.012806	0.004500	0.018351	0.025279	0.001887	0.001565	0.005515	0.000612	0.000636
General Office Building	0.575787	0.034976	0.211293	0.106793	0.012806	0.004500	0.018351	0.025279	0.001887	0.001565	0.005515	0.000612	0.000636

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5151	0.0178	1.5457	8.0000e-005		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	2.5274	2.5274	2.4200e-003	0.0000	2.5880
Unmitigated	0.5151	0.0178	1.5457	8.0000e-005		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	2.5274	2.5274	2.4200e-003	0.0000	2.5880

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4687					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0464	0.0178	1.5457	8.0000e-005		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	2.5274	2.5274	2.4200e-003	0.0000	2.5880
Total	**0.5151**	**0.0178**	**1.5457**	**8.0000e-005**		**8.5800e-003**	**8.5800e-003**		**8.5800e-003**	**8.5800e-003**	**0.0000**	**2.5274**	**2.5274**	**2.4200e-003**	**0.0000**	**2.5880**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4687					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0464	0.0178	1.5457	8.0000e-005		8.5800e-003	8.5800e-003		8.5800e-003	8.5800e-003	0.0000	2.5274	2.5274	2.4200e-003	0.0000	2.5880
Total	**0.5151**	**0.0178**	**1.5457**	**8.0000e-005**		**8.5800e-003**	**8.5800e-003**		**8.5800e-003**	**8.5800e-003**	**0.0000**	**2.5274**	**2.5274**	**2.4200e-003**	**0.0000**	**2.5880**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3B Construction

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	150.00	Dwelling Unit	3.95	96,000.00	401
General Office Building	24.00	1000sqft	0.55	24,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2029
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 3B Construction - Sacramento County, Summer

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Grading - No material exported

Demolition -

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	12000	0
tblAreaCoating	Area_Nonresidential_Interior	36000	0
tblAreaCoating	Area_Residential_Exterior	64800	0
tblAreaCoating	Area_Residential_Interior	194400	0
tblConstructionPhase	NumDays	18.00	98.00
tblConstructionPhase	NumDays	230.00	33.00
tblConstructionPhase	NumDays	8.00	22.00
tblConstructionPhase	NumDays	18.00	54.00
tblConstructionPhase	NumDays	5.00	55.00
tblConstructionPhase	PhaseEndDate	12/21/2028	12/29/2028
tblConstructionPhase	PhaseEndDate	11/1/2028	3/31/2028
tblConstructionPhase	PhaseEndDate	12/15/2027	2/15/2028

Phase 3B Construction - Sacramento County, Summer

tblConstructionPhase	PhaseEndDate	11/27/2028	8/15/2028
tblConstructionPhase	PhaseEndDate	12/3/2027	1/14/2028
tblConstructionPhase	PhaseStartDate	11/28/2028	8/16/2028
tblConstructionPhase	PhaseStartDate	12/16/2027	2/16/2028
tblConstructionPhase	PhaseStartDate	12/4/2027	1/16/2028
tblConstructionPhase	PhaseStartDate	11/2/2028	6/1/2028
tblConstructionPhase	PhaseStartDate	11/27/2027	11/1/2027
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	3.71	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	460.92	0.00
tblEnergyUse	T24E	4.98	0.00
tblEnergyUse	T24NG	7,061.10	0.00
tblEnergyUse	T24NG	12.42	0.00
tblGrading	AcresOfGrading	11.00	4.00
tblLandUse	LandUseSquareFeet	150,000.00	96,000.00
tblSolidWaste	SolidWasteGenerationRate	69.00	0.00
tblSolidWaste	SolidWasteGenerationRate	22.32	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00

tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	23.00	60.00
tblTripsAndVMT	WorkerTripNumber	116.00	30.00
tblTripsAndVMT	WorkerTripNumber	15.00	50.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblWater	IndoorWaterUseRate	9,773,103.84	0.00
tblWater	IndoorWaterUseRate	4,265,609.95	0.00
tblWater	OutdoorWaterUseRate	6,161,304.60	0.00
tblWater	OutdoorWaterUseRate	2,614,406.10	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	2.5653	26.5301	18.6733	0.0452	18.3574	1.0904	19.4478	10.0091	1.0033	11.0123	0.0000	4,443.4701	4,443.4701	1.2294	0.0000	4,474.2054
2028	14.9482	26.4948	18.6453	0.0546	18.3574	1.0902	19.4476	10.0091	1.0031	11.0122	0.0000	5,530.2049	5,530.2049	1.2290	0.0000	5,556.7413
Maximum	**14.9482**	**26.5301**	**18.6733**	**0.0546**	**18.3574**	**1.0904**	**19.4478**	**10.0091**	**1.0033**	**11.0123**	**0.0000**	**5,530.2049**	**5,530.2049**	**1.2294**	**0.0000**	**5,556.7413**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	2.5653	26.5301	18.6733	0.0452	18.3574	1.0904	19.4478	10.0091	1.0033	11.0123	0.0000	4,443.4701	4,443.4701	1.2294	0.0000	4,474.2054
2028	14.9482	26.4948	18.6453	0.0546	18.3574	1.0902	19.4476	10.0091	1.0031	11.0122	0.0000	5,530.2049	5,530.2049	1.2290	0.0000	5,556.7413
Maximum	**14.9482**	**26.5301**	**18.6733**	**0.0546**	**18.3574**	**1.0904**	**19.4478**	**10.0091**	**1.0033**	**11.0123**	**0.0000**	**5,530.2049**	**5,530.2049**	**1.2294**	**0.0000**	**5,556.7413**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.9394	0.1424	12.3659	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.2881	22.2881	0.0214	0.0000	22.8219
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**2.9394**	**0.1424**	**12.3659**	**6.5000e-004**	**0.0000**	**0.0686**	**0.0686**	**0.0000**	**0.0686**	**0.0686**	**0.0000**	**22.2881**	**22.2881**	**0.0214**	**0.0000**	**22.8219**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.9394	0.1424	12.3659	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.2881	22.2881	0.0214	0.0000	22.8219
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**2.9394**	**0.1424**	**12.3659**	**6.5000e-004**	**0.0000**	**0.0686**	**0.0686**	**0.0000**	**0.0686**	**0.0686**	**0.0000**	**22.2881**	**22.2881**	**0.0214**	**0.0000**	**22.8219**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	11/1/2027	1/14/2028	5	55	
2	Foundation	Grading	1/16/2028	2/15/2028	5	22	
3	Structural Framing	Building Construction	2/16/2028	3/31/2028	5	33	
4	Exterior Enclosures/Arch Coating	Paving	6/1/2028	8/15/2028	5	54	
5	Interior	Architectural Coating	8/16/2028	12/29/2028	5	98	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 194,400; Residential Outdoor: 64,800; Non-Residential Indoor: 36,000; Non-Residential Outdoor: 12,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase 3B Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Interior	Air Compressors	1	6.00	78	0.48
Foundation	Excavators	1	8.00	158	0.38
Structural Framing	Cranes	1	7.00	231	0.29
Structural Framing	Forklifts	3	8.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Exterior Enclosures/Arch Coating	Pavers	1	8.00	130	0.42
Exterior Enclosures/Arch Coating	Rollers	2	6.00	80	0.38
Foundation	Rubber Tired Dozers	1	8.00	247	0.40
Structural Framing	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Foundation	Graders	1	8.00	187	0.41
Foundation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Exterior Enclosures/Arch Coating	Paving Equipment	2	6.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Structural Framing	Welders	1	8.00	46	0.45
Exterior Enclosures/Arch Coating	Cement and Mortar Mixers	2	6.00	9	0.56
Exterior Enclosures/Arch Coating	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Interior	1	60.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	9	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	6	50.00	30.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosures/Arch Coati	8	20.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Site Preparation	7	20.00	8.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.2 Site Preparation - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.2734	0.3815	5.8700e-003	0.1390	2.7400e-003	0.1417	0.0380	2.6200e-003	0.0406		632.3801	632.3801	0.0341		633.2314
Worker	0.0554	0.0228	0.3800	1.2200e-003	0.1521	8.6000e-004	0.1530	0.0404	8.0000e-004	0.0412		121.9862	121.9862	2.2300e-003		122.0420
Total	**0.0926**	**1.2962**	**0.7615**	**7.0900e-003**	**0.2911**	**3.6000e-003**	**0.2947**	**0.0784**	**3.4200e-003**	**0.0818**		**754.3663**	**754.3663**	**0.0363**		**755.2734**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.2 Site Preparation - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.2734	0.3815	5.8700e-003	0.1390	2.7400e-003	0.1417	0.0380	2.6200e-003	0.0406		632.3801	632.3801	0.0341		633.2314
Worker	0.0554	0.0228	0.3800	1.2200e-003	0.1521	8.6000e-004	0.1530	0.0404	8.0000e-004	0.0412		121.9862	121.9862	2.2300e-003		122.0420
Total	**0.0926**	**1.2962**	**0.7615**	**7.0900e-003**	**0.2911**	**3.6000e-003**	**0.2947**	**0.0784**	**3.4200e-003**	**0.0818**		**754.3663**	**754.3663**	**0.0363**		**755.2734**

3.2 Site Preparation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999		3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**		**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.2 Site Preparation - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0366	1.2400	0.3770	5.8500e-003	0.1390	2.6300e-003	0.1416	0.0380	2.5200e-003	0.0405		629.6541	629.6541	0.0339		630.5002
Worker	0.0521	0.0209	0.3565	1.1800e-003	0.1521	8.1000e-004	0.1530	0.0404	7.4000e-004	0.0411		118.1188	118.1188	2.0500e-003		118.1699
Total	**0.0888**	**1.2609**	**0.7335**	**7.0300e-003**	**0.2911**	**3.4400e-003**	**0.2945**	**0.0784**	**3.2600e-003**	**0.0816**		**747.7729**	**747.7729**	**0.0359**		**748.6702**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.4727	25.2339	17.9118	0.0381		1.0868	1.0868		0.9999	0.9999	0.0000	3,689.1037	3,689.1037	1.1931		3,718.9320
Total	**2.4727**	**25.2339**	**17.9118**	**0.0381**	**18.0663**	**1.0868**	**19.1531**	**9.9307**	**0.9999**	**10.9305**	**0.0000**	**3,689.1037**	**3,689.1037**	**1.1931**		**3,718.9320**

3.2 Site Preparation - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0366	1.2400	0.3770	5.8500e-003	0.1390	2.6300e-003	0.1416	0.0380	2.5200e-003	0.0405		629.6541	629.6541	0.0339		630.5002
Worker	0.0521	0.0209	0.3565	1.1800e-003	0.1521	8.1000e-004	0.1530	0.0404	7.4000e-004	0.0411		118.1188	118.1188	2.0500e-003		118.1699
Total	**0.0888**	**1.2609**	**0.7335**	**7.0300e-003**	**0.2911**	**3.4400e-003**	**0.2945**	**0.0784**	**3.2600e-003**	**0.0816**		**747.7729**	**747.7729**	**0.0359**		**748.6702**

3.3 Foundation - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2149	0.0000	6.2149	3.3311	0.0000	3.3311			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737		2,873.7052	2,873.7052	0.9294		2,896.9405
Total	**1.5227**	**15.3148**	**14.5402**	**0.0297**	**6.2149**	**0.6236**	**6.8385**	**3.3311**	**0.5737**	**3.9047**		**2,873.7052**	**2,873.7052**	**0.9294**		**2,896.9405**

3.3 Foundation - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1374	4.6499	1.4139	0.0219	0.5211	9.8800e-003	0.5310	0.1425	9.4500e-003	0.1520		2,361.2028	2,361.2028	0.1269		2,364.3759
Worker	0.1303	0.0524	0.8912	2.9600e-003	0.3804	2.0200e-003	0.3824	0.1009	1.8600e-003	0.1028		295.2970	295.2970	5.1100e-003		295.4249
Total	**0.2677**	**4.7023**	**2.3051**	**0.0249**	**0.9014**	**0.0119**	**0.9133**	**0.2434**	**0.0113**	**0.2547**		**2,656.4998**	**2,656.4998**	**0.1320**		**2,659.8007**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2149	0.0000	6.2149	3.3311	0.0000	3.3311			0.0000			0.0000
Off-Road	1.5227	15.3148	14.5402	0.0297		0.6236	0.6236		0.5737	0.5737	0.0000	2,873.7052	2,873.7052	0.9294		2,896.9405
Total	**1.5227**	**15.3148**	**14.5402**	**0.0297**	**6.2149**	**0.6236**	**6.8385**	**3.3311**	**0.5737**	**3.9047**	**0.0000**	**2,873.7052**	**2,873.7052**	**0.9294**		**2,896.9405**

3.3 Foundation - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1374	4.6499	1.4139	0.0219	0.5211	9.8800e-003	0.5310	0.1425	9.4500e-003	0.1520		2,361.2028	2,361.2028	0.1269		2,364.3759
Worker	0.1303	0.0524	0.8912	2.9600e-003	0.3804	2.0200e-003	0.3824	0.1009	1.8600e-003	0.1028		295.2970	295.2970	5.1100e-003		295.4249
Total	**0.2677**	**4.7023**	**2.3051**	**0.0249**	**0.9014**	**0.0119**	**0.9133**	**0.2434**	**0.0113**	**0.2547**		**2,656.4998**	**2,656.4998**	**0.1320**		**2,659.8007**

3.4 Structural Framing - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.4 Structural Framing - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0916	3.1000	0.9426	0.0146	0.3474	6.5900e-003	0.3540	0.0950	6.3000e-003	0.1013		1,574.1352	1,574.1352	0.0846		1,576.2506
Worker	0.0782	0.0314	0.5347	1.7800e-003	0.2282	1.2100e-003	0.2294	0.0605	1.1100e-003	0.0617		177.1782	177.1782	3.0700e-003		177.2549
Total	**0.1698**	**3.1314**	**1.4773**	**0.0164**	**0.5756**	**7.8000e-003**	**0.5834**	**0.1556**	**7.4100e-003**	**0.1630**		**1,751.3134**	**1,751.3134**	**0.0877**		**1,753.5055**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

3.4 Structural Framing - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0916	3.1000	0.9426	0.0146	0.3474	6.5900e-003	0.3540	0.0950	6.3000e-003	0.1013		1,574.1352	1,574.1352	0.0846		1,576.2506
Worker	0.0782	0.0314	0.5347	1.7800e-003	0.2282	1.2100e-003	0.2294	0.0605	1.1100e-003	0.0617		177.1782	177.1782	3.0700e-003		177.2549
Total	**0.1698**	**3.1314**	**1.4773**	**0.0164**	**0.5756**	**7.8000e-003**	**0.5834**	**0.1556**	**7.4100e-003**	**0.1630**		**1,751.3134**	**1,751.3134**	**0.0877**		**1,753.5055**

3.5 Exterior Enclosures/Arch Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259		1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8197**	**7.5321**	**12.1778**	**0.0189**		**0.3524**	**0.3524**		**0.3259**	**0.3259**		**1,805.3926**	**1,805.3926**	**0.5673**		**1,819.5741**

3.5 Exterior Enclosures/Arch Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0916	3.1000	0.9426	0.0146	0.3474	6.5900e-003	0.3540	0.0950	6.3000e-003	0.1013		1,574.1352	1,574.1352	0.0846		1,576.2506
Worker	0.0521	0.0209	0.3565	1.1800e-003	0.1521	8.1000e-004	0.1530	0.0404	7.4000e-004	0.0411		118.1188	118.1188	2.0500e-003		118.1699
Total	**0.1437**	**3.1209**	**1.2991**	**0.0158**	**0.4995**	**7.4000e-003**	**0.5069**	**0.1354**	**7.0400e-003**	**0.1424**		**1,692.2540**	**1,692.2540**	**0.0867**		**1,694.4205**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8197	7.5321	12.1778	0.0189		0.3524	0.3524		0.3259	0.3259	0.0000	1,805.3926	1,805.3926	0.5673		1,819.5741
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.8197**	**7.5321**	**12.1778**	**0.0189**		**0.3524**	**0.3524**		**0.3259**	**0.3259**	**0.0000**	**1,805.3926**	**1,805.3926**	**0.5673**		**1,819.5741**

3.5 Exterior Enclosures/Arch Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0916	3.1000	0.9426	0.0146	0.3474	6.5900e-003	0.3540	0.0950	6.3000e-003	0.1013		1,574.1352	1,574.1352	0.0846		1,576.2506
Worker	0.0521	0.0209	0.3565	1.1800e-003	0.1521	8.1000e-004	0.1530	0.0404	7.4000e-004	0.0411		118.1188	118.1188	2.0500e-003		118.1699
Total	**0.1437**	**3.1209**	**1.2991**	**0.0158**	**0.4995**	**7.4000e-003**	**0.5069**	**0.1354**	**7.0400e-003**	**0.1424**		**1,692.2540**	**1,692.2540**	**0.0867**		**1,694.4205**

3.6 Interior - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**14.7002**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.6 Interior - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0916	3.1000	0.9426	0.0146	0.3474	6.5900e-003	0.3540	0.0950	6.3000e-003	0.1013		1,574.1352	1,574.1352	0.0846		1,576.2506
Worker	0.1564	0.0628	1.0694	3.5500e-003	0.4564	2.4200e-003	0.4588	0.1211	2.2300e-003	0.1233		354.3564	354.3564	6.1400e-003		354.5098
Total	**0.2480**	**3.1628**	**2.0120**	**0.0182**	**0.8038**	**9.0100e-003**	**0.8128**	**0.2161**	**8.5300e-003**	**0.2246**		**1,928.4916**	**1,928.4916**	**0.0908**		**1,930.7604**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	14.5293					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**14.7002**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.6 Interior - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0916	3.1000	0.9426	0.0146	0.3474	6.5900e-003	0.3540	0.0950	6.3000e-003	0.1013		1,574.1352	1,574.1352	0.0846		1,576.2506
Worker	0.1564	0.0628	1.0694	3.5500e-003	0.4564	2.4200e-003	0.4588	0.1211	2.2300e-003	0.1233		354.3564	354.3564	6.1400e-003		354.5098
Total	**0.2480**	**3.1628**	**2.0120**	**0.0182**	**0.8038**	**9.0100e-003**	**0.8128**	**0.2161**	**8.5300e-003**	**0.2246**		**1,928.4916**	**1,928.4916**	**0.0908**		**1,930.7604**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.575787	0.034976	0.211293	0.106793	0.012806	0.004500	0.018351	0.025279	0.001887	0.001565	0.005515	0.000612	0.000636
General Office Building	0.575787	0.034976	0.211293	0.106793	0.012806	0.004500	0.018351	0.025279	0.001887	0.001565	0.005515	0.000612	0.000636

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9394	0.1424	12.3659	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.2881	22.2881	0.0214	0.0000	22.8219
Unmitigated	2.9394	0.1424	12.3659	6.5000e-004		0.0686	0.0686		0.0686	0.0686	0.0000	22.2881	22.2881	0.0214	0.0000	22.8219

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3714	0.1424	12.3659	6.5000e-004		0.0686	0.0686		0.0686	0.0686		22.2881	22.2881	0.0214		22.8219
Total	**2.9394**	**0.1424**	**12.3659**	**6.5000e-004**		**0.0686**	**0.0686**		**0.0686**	**0.0686**	**0.0000**	**22.2881**	**22.2881**	**0.0214**	**0.0000**	**22.8219**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.5680					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.3714	0.1424	12.3659	6.5000e-004		0.0686	0.0686		0.0686	0.0686		22.2881	22.2881	0.0214		22.8219
Total	**2.9394**	**0.1424**	**12.3659**	**6.5000e-004**		**0.0686**	**0.0686**		**0.0686**	**0.0686**	**0.0000**	**22.2881**	**22.2881**	**0.0214**	**0.0000**	**22.8219**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3C Construction

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	200.00	Space	1.80	70,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2030
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 3C Construction - Sacramento County, Annual

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Grading - 15,556 CY export under excavation phase

Demolition -

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	4200	0
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	200.00	20.00
tblConstructionPhase	NumDays	2.00	41.00
tblConstructionPhase	NumDays	4.00	45.00
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	NumDays	2.00	34.00
tblConstructionPhase	PhaseEndDate	11/12/2029	10/31/2029
tblConstructionPhase	PhaseEndDate	10/15/2029	7/13/2029
tblConstructionPhase	PhaseEndDate	1/8/2029	6/15/2029
tblConstructionPhase	PhaseEndDate	10/29/2029	9/14/2029
tblConstructionPhase	PhaseEndDate	1/2/2029	2/15/2029

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tblConstructionPhase	PhaseStartDate	10/30/2029	9/16/2029
tblConstructionPhase	PhaseStartDate	1/9/2029	6/16/2029
tblConstructionPhase	PhaseStartDate	1/3/2029	4/16/2029
tblConstructionPhase	PhaseStartDate	10/16/2029	7/16/2029
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	T24E	3.92	0.00
tblGrading	AcresOfGrading	16.88	1.50
tblGrading	AcresOfGrading	17.00	1.00
tblGrading	MaterialExported	0.00	15,556.00
tblLandUse	LandUseSquareFeet	80,000.00	70,000.00
tblTripsAndVMT	HaulingTripNumber	1,945.00	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	11.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT

tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	6.00	20.00
tblTripsAndVMT	WorkerTripNumber	29.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	30.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.1060	1.0281	0.8070	2.5400e-003	0.3512	0.0344	0.3856	0.1764	0.0319	0.2083	0.0000	230.9161	230.9161	0.0438	0.0000	232.0122
Maximum	**0.1060**	**1.0281**	**0.8070**	**2.5400e-003**	**0.3512**	**0.0344**	**0.3856**	**0.1764**	**0.0319**	**0.2083**	**0.0000**	**230.9161**	**230.9161**	**0.0438**	**0.0000**	**232.0122**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2029	0.1060	1.0281	0.8070	2.5400e-003	0.3512	0.0344	0.3856	0.1764	0.0319	0.2083	0.0000	230.9160	230.9160	0.0438	0.0000	232.0121
Maximum	**0.1060**	**1.0281**	**0.8070**	**2.5400e-003**	**0.3512**	**0.0344**	**0.3856**	**0.1764**	**0.0319**	**0.2083**	**0.0000**	**230.9160**	**230.9160**	**0.0438**	**0.0000**	**232.0121**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**1-1-2029**	**3-31-2029**	0.4266	0.4266
2	**4-1-2029**	**6-30-2029**	0.4198	0.4198
3	**7-1-2029**	**9-30-2029**	0.2309	0.2309
		Highest	0.4266	0.4266

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.7600e-003	2.0000e-005	2.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.7600e-003**	**2.0000e-005**	**2.5400e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.9600e-003**	**4.9600e-003**	**1.0000e-005**	**0.0000**	**5.2800e-003**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.7600e-003	2.0000e-005	2.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**4.7600e-003**	**2.0000e-005**	**2.5400e-003**	**0.0000**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.9600e-003**	**4.9600e-003**	**1.0000e-005**	**0.0000**	**5.2800e-003**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase 3C Construction - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2029	2/15/2029	5	34	
2	Excavation	Site Preparation	2/16/2029	4/13/2029	5	41	
3	Foundation	Grading	4/16/2029	6/15/2029	5	45	
4	Structural Framing	Building Construction	6/16/2029	7/13/2029	5	20	
5	Exterior Enclosures/Arch Coating	Paving	7/16/2029	9/14/2029	5	45	
6	Interior	Architectural Coating	9/16/2029	10/31/2029	5	33	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 4,200 (Architectural Coating – sqft)

OffRoad Equipment

Phase 3C Construction - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Interior	Air Compressors	1	6.00	78	0.48
Site Preparation	Graders	1	8.00	187	0.41
Excavation	Graders	1	8.00	187	0.41
Excavation	Rubber Tired Dozers	1	7.00	247	0.40
Structural Framing	Cranes	1	6.00	231	0.29
Structural Framing	Forklifts	1	6.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Exterior Enclosures/Arch Coating	Pavers	1	6.00	130	0.42
Exterior Enclosures/Arch Coating	Rollers	1	7.00	80	0.38
Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundation	Rubber Tired Dozers	1	6.00	247	0.40
Structural Framing	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Foundation	Graders	1	6.00	187	0.41
Foundation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Exterior Enclosures/Arch Coating	Paving Equipment	1	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Structural Framing	Welders	3	8.00	46	0.45
Exterior Enclosures/Arch Coating	Cement and Mortar Mixers	1	6.00	9	0.56
Exterior Enclosures/Arch Coating	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Interior	1	20.00	5.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	7	20.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Excavation	3	20.00	10.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	3	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosures/Arch Coati	5	20.00	5.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Site Preparation	3	20.00	10.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0901	0.0000	0.0901	0.0493	0.0000	0.0493	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0172	0.1801	0.1096	2.9000e-004		7.1300e-003	7.1300e-003		6.5600e-003	6.5600e-003	0.0000	25.6915	25.6915	8.3100e-003	0.0000	25.8993
Total	**0.0172**	**0.1801**	**0.1096**	**2.9000e-004**	**0.0901**	**7.1300e-003**	**0.0972**	**0.0493**	**6.5600e-003**	**0.0559**	**0.0000**	**25.6915**	**25.6915**	**8.3100e-003**	**0.0000**	**25.8993**

3.2 Site Preparation - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-004	0.0263	8.1200e-003	1.2000e-004	2.8600e-003	5.0000e-005	2.9200e-003	7.9000e-004	5.0000e-005	8.4000e-004	0.0000	12.0129	12.0129	6.6000e-004	0.0000	12.0294
Worker	7.2000e-004	3.6000e-004	4.7400e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5100e-003	6.6000e-004	1.0000e-005	6.8000e-004	0.0000	1.5991	1.5991	3.0000e-005	0.0000	1.5997
Total	**1.5000e-003**	**0.0267**	**0.0129**	**1.4000e-004**	**5.3600e-003**	**6.0000e-005**	**5.4300e-003**	**1.4500e-003**	**6.0000e-005**	**1.5200e-003**	**0.0000**	**13.6120**	**13.6120**	**6.9000e-004**	**0.0000**	**13.6291**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0901	0.0000	0.0901	0.0493	0.0000	0.0493	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0172	0.1801	0.1096	2.9000e-004		7.1300e-003	7.1300e-003		6.5600e-003	6.5600e-003	0.0000	25.6915	25.6915	8.3100e-003	0.0000	25.8992
Total	**0.0172**	**0.1801**	**0.1096**	**2.9000e-004**	**0.0901**	**7.1300e-003**	**0.0972**	**0.0493**	**6.5600e-003**	**0.0559**	**0.0000**	**25.6915**	**25.6915**	**8.3100e-003**	**0.0000**	**25.8992**

3.2 Site Preparation - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-004	0.0263	8.1200e-003	1.2000e-004	2.8600e-003	5.0000e-005	2.9200e-003	7.9000e-004	5.0000e-005	8.4000e-004	0.0000	12.0129	12.0129	6.6000e-004	0.0000	12.0294
Worker	7.2000e-004	3.6000e-004	4.7400e-003	2.0000e-005	2.5000e-003	1.0000e-005	2.5100e-003	6.6000e-004	1.0000e-005	6.8000e-004	0.0000	1.5991	1.5991	3.0000e-005	0.0000	1.5997
Total	**1.5000e-003**	**0.0267**	**0.0129**	**1.4000e-004**	**5.3600e-003**	**6.0000e-005**	**5.4300e-003**	**1.4500e-003**	**6.0000e-005**	**1.5200e-003**	**0.0000**	**13.6120**	**13.6120**	**6.9000e-004**	**0.0000**	**13.6291**

3.3 Excavation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1205	0.0000	0.1205	0.0608	0.0000	0.0608	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0207	0.2172	0.1322	3.5000e-004		8.5900e-003	8.5900e-003		7.9100e-003	7.9100e-003	0.0000	30.9810	30.9810	0.0100	0.0000	31.2315
Total	**0.0207**	**0.2172**	**0.1322**	**3.5000e-004**	**0.1205**	**8.5900e-003**	**0.1291**	**0.0608**	**7.9100e-003**	**0.0687**	**0.0000**	**30.9810**	**30.9810**	**0.0100**	**0.0000**	**31.2315**

3.3 Excavation - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.4000e-004	0.0318	9.7900e-003	1.5000e-004	3.4500e-003	7.0000e-005	3.5200e-003	9.5000e-004	6.0000e-005	1.0100e-003	0.0000	14.4862	14.4862	8.0000e-004	0.0000	14.5060
Worker	8.7000e-004	4.3000e-004	5.7100e-003	2.0000e-005	3.0100e-003	2.0000e-005	3.0300e-003	8.0000e-004	1.0000e-005	8.2000e-004	0.0000	1.9283	1.9283	3.0000e-005	0.0000	1.9291
Total	**1.8100e-003**	**0.0322**	**0.0155**	**1.7000e-004**	**6.4600e-003**	**9.0000e-005**	**6.5500e-003**	**1.7500e-003**	**7.0000e-005**	**1.8300e-003**	**0.0000**	**16.4145**	**16.4145**	**8.3000e-004**	**0.0000**	**16.4351**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1205	0.0000	0.1205	0.0608	0.0000	0.0608	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0207	0.2172	0.1322	3.5000e-004		8.5900e-003	8.5900e-003		7.9100e-003	7.9100e-003	0.0000	30.9809	30.9809	0.0100	0.0000	31.2314
Total	**0.0207**	**0.2172**	**0.1322**	**3.5000e-004**	**0.1205**	**8.5900e-003**	**0.1291**	**0.0608**	**7.9100e-003**	**0.0687**	**0.0000**	**30.9809**	**30.9809**	**0.0100**	**0.0000**	**31.2314**

3.3 Excavation - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.4000e-004	0.0318	9.7900e-003	1.5000e-004	3.4500e-003	7.0000e-005	3.5200e-003	9.5000e-004	6.0000e-005	1.0100e-003	0.0000	14.4862	14.4862	8.0000e-004	0.0000	14.5060
Worker	8.7000e-004	4.3000e-004	5.7100e-003	2.0000e-005	3.0100e-003	2.0000e-005	3.0300e-003	8.0000e-004	1.0000e-005	8.2000e-004	0.0000	1.9283	1.9283	3.0000e-005	0.0000	1.9291
Total	**1.8100e-003**	**0.0322**	**0.0155**	**1.7000e-004**	**6.4600e-003**	**9.0000e-005**	**6.5500e-003**	**1.7500e-003**	**7.0000e-005**	**1.8300e-003**	**0.0000**	**16.4145**	**16.4145**	**8.3000e-004**	**0.0000**	**16.4351**

3.4 Foundation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1024	0.0000	0.1024	0.0560	0.0000	0.0560	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.1965	0.1214	3.2000e-004		7.8400e-003	7.8400e-003		7.2100e-003	7.2100e-003	0.0000	27.8558	27.8558	9.0100e-003	0.0000	28.0810
Total	**0.0188**	**0.1965**	**0.1214**	**3.2000e-004**	**0.1024**	**7.8400e-003**	**0.1103**	**0.0560**	**7.2100e-003**	**0.0632**	**0.0000**	**27.8558**	**27.8558**	**9.0100e-003**	**0.0000**	**28.0810**

3.4 Foundation - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0600e-003	0.0697	0.0215	3.3000e-004	7.5800e-003	1.4000e-004	7.7200e-003	2.0800e-003	1.4000e-004	2.2200e-003	0.0000	31.7989	31.7989	1.7500e-003	0.0000	31.8425
Worker	1.4300e-003	7.1000e-004	9.4000e-003	4.0000e-005	4.9600e-003	3.0000e-005	4.9800e-003	1.3200e-003	2.0000e-005	1.3400e-003	0.0000	3.1746	3.1746	5.0000e-005	0.0000	3.1759
Total	**3.4900e-003**	**0.0704**	**0.0309**	**3.7000e-004**	**0.0125**	**1.7000e-004**	**0.0127**	**3.4000e-003**	**1.6000e-004**	**3.5600e-003**	**0.0000**	**34.9735**	**34.9735**	**1.8000e-003**	**0.0000**	**35.0184**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1024	0.0000	0.1024	0.0560	0.0000	0.0560	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0188	0.1965	0.1214	3.2000e-004		7.8400e-003	7.8400e-003		7.2100e-003	7.2100e-003	0.0000	27.8557	27.8557	9.0100e-003	0.0000	28.0810
Total	**0.0188**	**0.1965**	**0.1214**	**3.2000e-004**	**0.1024**	**7.8400e-003**	**0.1103**	**0.0560**	**7.2100e-003**	**0.0632**	**0.0000**	**27.8557**	**27.8557**	**9.0100e-003**	**0.0000**	**28.0810**

3.4 Foundation - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.0600e-003	0.0697	0.0215	3.3000e-004	7.5800e-003	1.4000e-004	7.7200e-003	2.0800e-003	1.4000e-004	2.2200e-003	0.0000	31.7989	31.7989	1.7500e-003	0.0000	31.8425
Worker	1.4300e-003	7.1000e-004	9.4000e-003	4.0000e-005	4.9600e-003	3.0000e-005	4.9800e-003	1.3200e-003	2.0000e-005	1.3400e-003	0.0000	3.1746	3.1746	5.0000e-005	0.0000	3.1759
Total	**3.4900e-003**	**0.0704**	**0.0309**	**3.7000e-004**	**0.0125**	**1.7000e-004**	**0.0127**	**3.4000e-003**	**1.6000e-004**	**3.5600e-003**	**0.0000**	**34.9735**	**34.9735**	**1.8000e-003**	**0.0000**	**35.0184**

3.5 Structural Framing - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0133	0.1041	0.1244	2.2000e-004		3.9200e-003	3.9200e-003		3.7900e-003	3.7900e-003	0.0000	18.1632	18.1632	2.9700e-003	0.0000	18.2374
Total	**0.0133**	**0.1041**	**0.1244**	**2.2000e-004**		**3.9200e-003**	**3.9200e-003**		**3.7900e-003**	**3.7900e-003**	**0.0000**	**18.1632**	**18.1632**	**2.9700e-003**	**0.0000**	**18.2374**

3.5 Structural Framing - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1000e-004	0.0310	9.5500e-003	1.4000e-004	3.3700e-003	6.0000e-005	3.4300e-003	9.2000e-004	6.0000e-005	9.9000e-004	0.0000	14.1328	14.1328	7.8000e-004	0.0000	14.1522
Worker	4.2000e-004	2.1000e-004	2.7900e-003	1.0000e-005	1.4700e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	0.9406	0.9406	2.0000e-005	0.0000	0.9410
Total	**1.3300e-003**	**0.0312**	**0.0123**	**1.5000e-004**	**4.8400e-003**	**7.0000e-005**	**4.9100e-003**	**1.3100e-003**	**7.0000e-005**	**1.3900e-003**	**0.0000**	**15.0735**	**15.0735**	**8.0000e-004**	**0.0000**	**15.0932**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0133	0.1041	0.1244	2.2000e-004		3.9200e-003	3.9200e-003		3.7900e-003	3.7900e-003	0.0000	18.1632	18.1632	2.9700e-003	0.0000	18.2373
Total	**0.0133**	**0.1041**	**0.1244**	**2.2000e-004**		**3.9200e-003**	**3.9200e-003**		**3.7900e-003**	**3.7900e-003**	**0.0000**	**18.1632**	**18.1632**	**2.9700e-003**	**0.0000**	**18.2373**

3.5 Structural Framing - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1000e-004	0.0310	9.5500e-003	1.4000e-004	3.3700e-003	6.0000e-005	3.4300e-003	9.2000e-004	6.0000e-005	9.9000e-004	0.0000	14.1328	14.1328	7.8000e-004	0.0000	14.1522
Worker	4.2000e-004	2.1000e-004	2.7900e-003	1.0000e-005	1.4700e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	0.9406	0.9406	2.0000e-005	0.0000	0.9410
Total	**1.3300e-003**	**0.0312**	**0.0123**	**1.5000e-004**	**4.8400e-003**	**7.0000e-005**	**4.9100e-003**	**1.3100e-003**	**7.0000e-005**	**1.3900e-003**	**0.0000**	**15.0735**	**15.0735**	**8.0000e-004**	**0.0000**	**15.0932**

3.6 Exterior Enclosures/Arch Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0129	0.1198	0.1979	3.0000e-004		5.5500e-003	5.5500e-003		5.1200e-003	5.1200e-003	0.0000	26.4904	26.4904	8.4000e-003	0.0000	26.7004
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0129**	**0.1198**	**0.1979**	**3.0000e-004**		**5.5500e-003**	**5.5500e-003**		**5.1200e-003**	**5.1200e-003**	**0.0000**	**26.4904**	**26.4904**	**8.4000e-003**	**0.0000**	**26.7004**

3.6 Exterior Enclosures/Arch Coating - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1000e-004	0.0174	5.3700e-003	8.0000e-005	1.8900e-003	4.0000e-005	1.9300e-003	5.2000e-004	3.0000e-005	5.5000e-004	0.0000	7.9497	7.9497	4.4000e-004	0.0000	7.9606
Worker	9.5000e-004	4.8000e-004	6.2700e-003	2.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.1164	2.1164	3.0000e-005	0.0000	2.1173
Total	**1.4600e-003**	**0.0179**	**0.0116**	**1.0000e-004**	**5.1900e-003**	**6.0000e-005**	**5.2500e-003**	**1.4000e-003**	**5.0000e-005**	**1.4400e-003**	**0.0000**	**10.0661**	**10.0661**	**4.7000e-004**	**0.0000**	**10.0779**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0129	0.1198	0.1979	3.0000e-004		5.5500e-003	5.5500e-003		5.1200e-003	5.1200e-003	0.0000	26.4904	26.4904	8.4000e-003	0.0000	26.7004
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0129**	**0.1198**	**0.1979**	**3.0000e-004**		**5.5500e-003**	**5.5500e-003**		**5.1200e-003**	**5.1200e-003**	**0.0000**	**26.4904**	**26.4904**	**8.4000e-003**	**0.0000**	**26.7004**

3.6 Exterior Enclosures/Arch Coating - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1000e-004	0.0174	5.3700e-003	8.0000e-005	1.8900e-003	4.0000e-005	1.9300e-003	5.2000e-004	3.0000e-005	5.5000e-004	0.0000	7.9497	7.9497	4.4000e-004	0.0000	7.9606
Worker	9.5000e-004	4.8000e-004	6.2700e-003	2.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.1164	2.1164	3.0000e-005	0.0000	2.1173
Total	**1.4600e-003**	**0.0179**	**0.0116**	**1.0000e-004**	**5.1900e-003**	**6.0000e-005**	**5.2500e-003**	**1.4000e-003**	**5.0000e-005**	**1.4400e-003**	**0.0000**	**10.0661**	**10.0661**	**4.7000e-004**	**0.0000**	**10.0779**

3.7 Interior - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.7300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8200e-003	0.0189	0.0299	5.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	4.2129	4.2129	2.3000e-004	0.0000	4.2186
Total	**0.0126**	**0.0189**	**0.0299**	**5.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**4.2129**	**4.2129**	**2.3000e-004**	**0.0000**	**4.2186**

3.7 Interior - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0128	3.9400e-003	6.0000e-005	1.3900e-003	3.0000e-005	1.4200e-003	3.8000e-004	3.0000e-005	4.1000e-004	0.0000	5.8298	5.8298	3.2000e-004	0.0000	5.8378
Worker	7.0000e-004	3.5000e-004	4.6000e-003	2.0000e-005	2.4200e-003	1.0000e-005	2.4400e-003	6.4000e-004	1.0000e-005	6.6000e-004	0.0000	1.5520	1.5520	2.0000e-005	0.0000	1.5527
Total	**1.0800e-003**	**0.0131**	**8.5400e-003**	**8.0000e-005**	**3.8100e-003**	**4.0000e-005**	**3.8600e-003**	**1.0200e-003**	**4.0000e-005**	**1.0700e-003**	**0.0000**	**7.3818**	**7.3818**	**3.4000e-004**	**0.0000**	**7.3905**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	9.7300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8200e-003	0.0189	0.0299	5.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	4.2129	4.2129	2.3000e-004	0.0000	4.2186
Total	**0.0126**	**0.0189**	**0.0299**	**5.0000e-005**		**8.5000e-004**	**8.5000e-004**		**8.5000e-004**	**8.5000e-004**	**0.0000**	**4.2129**	**4.2129**	**2.3000e-004**	**0.0000**	**4.2186**

3.7 Interior - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0128	3.9400e-003	6.0000e-005	1.3900e-003	3.0000e-005	1.4200e-003	3.8000e-004	3.0000e-005	4.1000e-004	0.0000	5.8298	5.8298	3.2000e-004	0.0000	5.8378
Worker	7.0000e-004	3.5000e-004	4.6000e-003	2.0000e-005	2.4200e-003	1.0000e-005	2.4400e-003	6.4000e-004	1.0000e-005	6.6000e-004	0.0000	1.5520	1.5520	2.0000e-005	0.0000	1.5527
Total	**1.0800e-003**	**0.0131**	**8.5400e-003**	**8.0000e-005**	**3.8100e-003**	**4.0000e-005**	**3.8600e-003**	**1.0200e-003**	**4.0000e-005**	**1.0700e-003**	**0.0000**	**7.3818**	**7.3818**	**3.4000e-004**	**0.0000**	**7.3905**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.7600e-003	2.0000e-005	2.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2800e-003
Unmitigated	4.7600e-003	2.0000e-005	2.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2800e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2800e-003
Total	**4.7500e-003**	**2.0000e-005**	**2.5400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.9600e-003**	**4.9600e-003**	**1.0000e-005**	**0.0000**	**5.2800e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2800e-003
Total	**4.7500e-003**	**2.0000e-005**	**2.5400e-003**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**4.9600e-003**	**4.9600e-003**	**1.0000e-005**	**0.0000**	**5.2800e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Phase 3C Construction

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	200.00	Space	1.80	70,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2030
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Phase 3C Construction - Sacramento County, Summer

Project Characteristics -

Land Use - See appendix for modeling inputs

Construction Phase - See appendix for construction schedule by phase

Grading - 15,556 CY export under excavation phase

Demolition -

Trips and VMT - Maximum number of workers and daily haul trucks included in modeling input appendix.

Vehicle Trips - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	4200	0
tblConstructionPhase	NumDays	10.00	33.00
tblConstructionPhase	NumDays	200.00	20.00
tblConstructionPhase	NumDays	2.00	41.00
tblConstructionPhase	NumDays	4.00	45.00
tblConstructionPhase	NumDays	10.00	45.00
tblConstructionPhase	NumDays	2.00	34.00
tblConstructionPhase	PhaseEndDate	11/12/2029	10/31/2029
tblConstructionPhase	PhaseEndDate	10/15/2029	7/13/2029
tblConstructionPhase	PhaseEndDate	1/8/2029	6/15/2029
tblConstructionPhase	PhaseEndDate	10/29/2029	9/14/2029
tblConstructionPhase	PhaseEndDate	1/2/2029	2/15/2029

Phase 3C Construction - Sacramento County, Summer

tblConstructionPhase	PhaseStartDate	10/30/2029	9/16/2029
tblConstructionPhase	PhaseStartDate	1/9/2029	6/16/2029
tblConstructionPhase	PhaseStartDate	1/3/2029	4/16/2029
tblConstructionPhase	PhaseStartDate	10/16/2029	7/16/2029
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	T24E	3.92	0.00
tblGrading	AcresOfGrading	16.88	1.50
tblGrading	AcresOfGrading	17.00	1.00
tblGrading	MaterialExported	0.00	15,556.00
tblLandUse	LandUseSquareFeet	80,000.00	70,000.00
tblTripsAndVMT	HaulingTripNumber	1,945.00	0.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripLength	6.50	20.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	11.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT

tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	VendorVehicleClass	HDT_Mix	HHDT
tblTripsAndVMT	WorkerTripNumber	6.00	20.00
tblTripsAndVMT	WorkerTripNumber	29.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	30.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	1.4635	13.4525	13.7088	0.0378	6.2039	0.4231	6.6270	3.0535	0.3894	3.4428	0.0000	3,684.7191	3,684.7191	0.5827	0.0000	3,695.0406
Maximum	**1.4635**	**13.4525**	**13.7088**	**0.0378**	**6.2039**	**0.4231**	**6.6270**	**3.0535**	**0.3894**	**3.4428**	**0.0000**	**3,684.7191**	**3,684.7191**	**0.5827**	**0.0000**	**3,695.0406**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2029	1.4635	13.4525	13.7088	0.0378	6.2039	0.4231	6.6270	3.0535	0.3894	3.4428	0.0000	3,684.7191	3,684.7191	0.5827	0.0000	3,695.0406
Maximum	**1.4635**	**13.4525**	**13.7088**	**0.0378**	**6.2039**	**0.4231**	**6.6270**	**3.0535**	**0.3894**	**3.4428**	**0.0000**	**3,684.7191**	**3,684.7191**	**0.5827**	**0.0000**	**3,695.0406**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0267	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0267**	**1.8000e-004**	**0.0203**	**0.0000**	**0.0000**	**7.0000e-005**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**7.0000e-005**		**0.0438**	**0.0438**	**1.1000e-004**	**0.0000**	**0.0466**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0267	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	**0.0267**	**1.8000e-004**	**0.0203**	**0.0000**	**0.0000**	**7.0000e-005**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**7.0000e-005**		**0.0438**	**0.0438**	**1.1000e-004**	**0.0000**	**0.0466**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2029	2/15/2029	5	34	
2	Excavation	Site Preparation	2/16/2029	4/13/2029	5	41	
3	Foundation	Grading	4/16/2029	6/15/2029	5	45	
4	Structural Framing	Building Construction	6/16/2029	7/13/2029	5	20	
5	Exterior Enclosures/Arch Coating	Paving	7/16/2029	9/14/2029	5	45	
6	Interior	Architectural Coating	9/16/2029	10/31/2029	5	33	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 4,200 (Architectural Coating – sqft)

OffRoad Equipment

Phase 3C Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Interior	Air Compressors	1	6.00	78	0.48
Site Preparation	Graders	1	8.00	187	0.41
Excavation	Graders	1	8.00	187	0.41
Excavation	Rubber Tired Dozers	1	7.00	247	0.40
Structural Framing	Cranes	1	6.00	231	0.29
Structural Framing	Forklifts	1	6.00	89	0.20
Structural Framing	Generator Sets	1	8.00	84	0.74
Exterior Enclosures/Arch Coating	Pavers	1	6.00	130	0.42
Exterior Enclosures/Arch Coating	Rollers	1	7.00	80	0.38
Excavation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Foundation	Rubber Tired Dozers	1	6.00	247	0.40
Structural Framing	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Foundation	Graders	1	6.00	187	0.41
Foundation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Exterior Enclosures/Arch Coating	Paving Equipment	1	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Structural Framing	Welders	3	8.00	46	0.45
Exterior Enclosures/Arch Coating	Cement and Mortar Mixers	1	6.00	9	0.56
Exterior Enclosures/Arch Coating	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase 3C Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Interior	1	20.00	5.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Structural Framing	7	20.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Excavation	3	20.00	10.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Foundation	3	30.00	20.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Exterior Enclosures/Arch Coati	5	20.00	5.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT
Site Preparation	3	20.00	10.00	0.00	10.00	20.00	20.00	LD_Mix	HHDT	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3005	0.0000	5.3005	2.8998	0.0000	2.8998			0.0000			0.0000
Off-Road	1.0103	10.5940	6.4468	0.0172		0.4192	0.4192		0.3857	0.3857		1,665.8856	1,665.8856	0.5388		1,679.3551
Total	**1.0103**	**10.5940**	**6.4468**	**0.0172**	**5.3005**	**0.4192**	**5.7197**	**2.8998**	**0.3857**	**3.2855**		**1,665.8856**	**1,665.8856**	**0.5388**		**1,679.3551**

3.2 Site Preparation - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0452	1.5102	0.4678	7.2800e-003	0.1737	3.1500e-003	0.1768	0.0475	3.0100e-003	0.0505		783.9356	783.9356	0.0421		784.9868
Worker	0.0486	0.0192	0.3339	1.1500e-003	0.1521	7.5000e-004	0.1529	0.0404	6.9000e-004	0.0411		114.6955	114.6955	1.8700e-003		114.7422
Total	**0.0937**	**1.5294**	**0.8017**	**8.4300e-003**	**0.3258**	**3.9000e-003**	**0.3297**	**0.0879**	**3.7000e-003**	**0.0916**		**898.6311**	**898.6311**	**0.0439**		**899.7290**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3005	0.0000	5.3005	2.8998	0.0000	2.8998			0.0000			0.0000
Off-Road	1.0103	10.5940	6.4468	0.0172		0.4192	0.4192		0.3857	0.3857	0.0000	1,665.8856	1,665.8856	0.5388		1,679.3551
Total	**1.0103**	**10.5940**	**6.4468**	**0.0172**	**5.3005**	**0.4192**	**5.7197**	**2.8998**	**0.3857**	**3.2855**	**0.0000**	**1,665.8856**	**1,665.8856**	**0.5388**		**1,679.3551**

3.2 Site Preparation - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0452	1.5102	0.4678	7.2800e-003	0.1737	3.1500e-003	0.1768	0.0475	3.0100e-003	0.0505		783.9356	783.9356	0.0421		784.9868
Worker	0.0486	0.0192	0.3339	1.1500e-003	0.1521	7.5000e-004	0.1529	0.0404	6.9000e-004	0.0411		114.6955	114.6955	1.8700e-003		114.7422
Total	**0.0937**	**1.5294**	**0.8017**	**8.4300e-003**	**0.3258**	**3.9000e-003**	**0.3297**	**0.0879**	**3.7000e-003**	**0.0916**		**898.6311**	**898.6311**	**0.0439**		**899.7290**

3.3 Excavation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8780	0.0000	5.8780	2.9656	0.0000	2.9656			0.0000			0.0000
Off-Road	1.0103	10.5940	6.4468	0.0172		0.4192	0.4192		0.3857	0.3857		1,665.8856	1,665.8856	0.5388		1,679.3551
Total	**1.0103**	**10.5940**	**6.4468**	**0.0172**	**5.8780**	**0.4192**	**6.2973**	**2.9656**	**0.3857**	**3.3513**		**1,665.8856**	**1,665.8856**	**0.5388**		**1,679.3551**

3.3 Excavation - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0452	1.5102	0.4678	7.2800e-003	0.1737	3.1500e-003	0.1768	0.0475	3.0100e-003	0.0505		783.9356	783.9356	0.0421		784.9868
Worker	0.0486	0.0192	0.3339	1.1500e-003	0.1521	7.5000e-004	0.1529	0.0404	6.9000e-004	0.0411		114.6955	114.6955	1.8700e-003		114.7422
Total	**0.0937**	**1.5294**	**0.8017**	**8.4300e-003**	**0.3258**	**3.9000e-003**	**0.3297**	**0.0879**	**3.7000e-003**	**0.0916**		**898.6311**	**898.6311**	**0.0439**		**899.7290**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.8780	0.0000	5.8780	2.9656	0.0000	2.9656			0.0000			0.0000
Off-Road	1.0103	10.5940	6.4468	0.0172		0.4192	0.4192		0.3857	0.3857	0.0000	1,665.8856	1,665.8856	0.5388		1,679.3551
Total	**1.0103**	**10.5940**	**6.4468**	**0.0172**	**5.8780**	**0.4192**	**6.2973**	**2.9656**	**0.3857**	**3.3513**	**0.0000**	**1,665.8856**	**1,665.8856**	**0.5388**		**1,679.3551**

3.3 Excavation - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0452	1.5102	0.4678	7.2800e-003	0.1737	3.1500e-003	0.1768	0.0475	3.0100e-003	0.0505		783.9356	783.9356	0.0421		784.9868
Worker	0.0486	0.0192	0.3339	1.1500e-003	0.1521	7.5000e-004	0.1529	0.0404	6.9000e-004	0.0411		114.6955	114.6955	1.8700e-003		114.7422
Total	**0.0937**	**1.5294**	**0.8017**	**8.4300e-003**	**0.3258**	**3.9000e-003**	**0.3297**	**0.0879**	**3.7000e-003**	**0.0916**		**898.6311**	**898.6311**	**0.0439**		**899.7290**

3.4 Foundation - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5519	0.0000	4.5519	2.4865	0.0000	2.4865			0.0000			0.0000
Off-Road	0.8350	8.7341	5.3948	0.0141		0.3484	0.3484		0.3205	0.3205		1,364.6987	1,364.6987	0.4414		1,375.7329
Total	**0.8350**	**8.7341**	**5.3948**	**0.0141**	**4.5519**	**0.3484**	**4.9003**	**2.4865**	**0.3205**	**2.8070**		**1,364.6987**	**1,364.6987**	**0.4414**		**1,375.7329**

3.4 Foundation - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0904	3.0205	0.9355	0.0146	0.3474	6.3000e-003	0.3537	0.0950	6.0300e-003	0.1010		1,567.8711	1,567.8711	0.0841		1,569.9736
Worker	0.0728	0.0288	0.5009	1.7300e-003	0.2282	1.1300e-003	0.2293	0.0605	1.0400e-003	0.0616		172.0433	172.0433	2.8000e-003		172.1133
Total	**0.1632**	**3.0493**	**1.4364**	**0.0163**	**0.5756**	**7.4300e-003**	**0.5830**	**0.1555**	**7.0700e-003**	**0.1626**		**1,739.9144**	**1,739.9144**	**0.0869**		**1,742.0869**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5519	0.0000	4.5519	2.4865	0.0000	2.4865			0.0000			0.0000
Off-Road	0.8350	8.7341	5.3948	0.0141		0.3484	0.3484		0.3205	0.3205	0.0000	1,364.6987	1,364.6987	0.4414		1,375.7329
Total	**0.8350**	**8.7341**	**5.3948**	**0.0141**	**4.5519**	**0.3484**	**4.9003**	**2.4865**	**0.3205**	**2.8070**	**0.0000**	**1,364.6987**	**1,364.6987**	**0.4414**		**1,375.7329**

3.4 Foundation - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0904	3.0205	0.9355	0.0146	0.3474	6.3000e-003	0.3537	0.0950	6.0300e-003	0.1010		1,567.8711	1,567.8711	0.0841		1,569.9736
Worker	0.0728	0.0288	0.5009	1.7300e-003	0.2282	1.1300e-003	0.2293	0.0605	1.0400e-003	0.0616		172.0433	172.0433	2.8000e-003		172.1133
Total	**0.1632**	**3.0493**	**1.4364**	**0.0163**	**0.5756**	**7.4300e-003**	**0.5830**	**0.1555**	**7.0700e-003**	**0.1626**		**1,739.9144**	**1,739.9144**	**0.0869**		**1,742.0869**

3.5 Structural Framing - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**		**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

3.5 Structural Framing - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0904	3.0205	0.9355	0.0146	0.3474	6.3000e-003	0.3537	0.0950	6.0300e-003	0.1010		1,567.8711	1,567.8711	0.0841		1,569.9736
Worker	0.0486	0.0192	0.3339	1.1500e-003	0.1521	7.5000e-004	0.1529	0.0404	6.9000e-004	0.0411		114.6955	114.6955	1.8700e-003		114.7422
Total	**0.1389**	**3.0397**	**1.2694**	**0.0157**	**0.4995**	**7.0500e-003**	**0.5065**	**0.1354**	**6.7200e-003**	**0.1421**		**1,682.5666**	**1,682.5666**	**0.0860**		**1,684.7158**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**	**0.0000**	**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

3.5 Structural Framing - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0904	3.0205	0.9355	0.0146	0.3474	6.3000e-003	0.3537	0.0950	6.0300e-003	0.1010		1,567.8711	1,567.8711	0.0841		1,569.9736
Worker	0.0486	0.0192	0.3339	1.1500e-003	0.1521	7.5000e-004	0.1529	0.0404	6.9000e-004	0.0411		114.6955	114.6955	1.8700e-003		114.7422
Total	**0.1389**	**3.0397**	**1.2694**	**0.0157**	**0.4995**	**7.0500e-003**	**0.5065**	**0.1354**	**6.7200e-003**	**0.1421**		**1,682.5666**	**1,682.5666**	**0.0860**		**1,684.7158**

3.6 Exterior Enclosures/Arch Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**		**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

3.6 Exterior Enclosures/Arch Coating - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0226	0.7551	0.2339	3.6400e-003	0.0868	1.5800e-003	0.0884	0.0238	1.5100e-003	0.0253		391.9678	391.9678	0.0210		392.4934
Worker	0.0486	0.0192	0.3339	1.1500e-003	0.1521	7.5000e-004	0.1529	0.0404	6.9000e-004	0.0411		114.6955	114.6955	1.8700e-003		114.7422
Total	**0.0711**	**0.7743**	**0.5678**	**4.7900e-003**	**0.2390**	**2.3300e-003**	**0.2413**	**0.0641**	**2.2000e-003**	**0.0663**		**506.6633**	**506.6633**	**0.0229**		**507.2356**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**	**0.0000**	**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

3.6 Exterior Enclosures/Arch Coating - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0226	0.7551	0.2339	3.6400e-003	0.0868	1.5800e-003	0.0884	0.0238	1.5100e-003	0.0253		391.9678	391.9678	0.0210		392.4934
Worker	0.0486	0.0192	0.3339	1.1500e-003	0.1521	7.5000e-004	0.1529	0.0404	6.9000e-004	0.0411		114.6955	114.6955	1.8700e-003		114.7422
Total	**0.0711**	**0.7743**	**0.5678**	**4.7900e-003**	**0.2390**	**2.3300e-003**	**0.2413**	**0.0641**	**2.2000e-003**	**0.0663**		**506.6633**	**506.6633**	**0.0229**		**507.2356**

3.7 Interior - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.5899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**0.7608**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Interior - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0226	0.7551	0.2339	3.6400e-003	0.0868	1.5800e-003	0.0884	0.0238	1.5100e-003	0.0253		391.9678	391.9678	0.0210		392.4934
Worker	0.0486	0.0192	0.3339	1.1500e-003	0.1521	7.5000e-004	0.1529	0.0404	6.9000e-004	0.0411		114.6955	114.6955	1.8700e-003		114.7422
Total	**0.0711**	**0.7743**	**0.5678**	**4.7900e-003**	**0.2390**	**2.3300e-003**	**0.2413**	**0.0641**	**2.2000e-003**	**0.0663**		**506.6633**	**506.6633**	**0.0229**		**507.2356**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.5899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**0.7608**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

3.7 Interior - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0226	0.7551	0.2339	3.6400e-003	0.0868	1.5800e-003	0.0884	0.0238	1.5100e-003	0.0253		391.9678	391.9678	0.0210		392.4934
Worker	0.0486	0.0192	0.3339	1.1500e-003	0.1521	7.5000e-004	0.1529	0.0404	6.9000e-004	0.0411		114.6955	114.6955	1.8700e-003		114.7422
Total	**0.0711**	**0.7743**	**0.5678**	**4.7900e-003**	**0.2390**	**2.3300e-003**	**0.2413**	**0.0641**	**2.2000e-003**	**0.0663**		**506.6633**	**506.6633**	**0.0229**		**507.2356**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0267	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Unmitigated	0.0267	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0248					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8600e-003	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Total	**0.0267**	**1.8000e-004**	**0.0203**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0438**	**0.0438**	**1.1000e-004**		**0.0466**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0248					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8600e-003	1.8000e-004	0.0203	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Total	**0.0267**	**1.8000e-004**	**0.0203**	**0.0000**		**7.0000e-005**	**7.0000e-005**		**7.0000e-005**	**7.0000e-005**		**0.0438**	**0.0438**	**1.1000e-004**		**0.0466**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

CNU Operation

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	24.00	1000sqft	0.55	24,000.00	0
Hospital	596.79	1000sqft	13.70	596,790.00	0
Hospital	103.21	1000sqft	2.37	103,210.00	0
Hospital	168.50	1000sqft	3.87	168,500.00	0
Medical Office Building	100.00	1000sqft	2.30	100,000.00	0
General Light Industry	22.85	1000sqft	0.52	22,850.00	0
Enclosed Parking with Elevator	80.00	Space	0.72	32,000.00	0
Enclosed Parking with Elevator	170.00	Space	1.53	68,000.00	0
Enclosed Parking with Elevator	200.00	Space	1.80	80,000.00	0
Parking Lot	15.50	1000sqft	0.36	15,500.00	0
Unenclosed Parking with Elevator	1,500.00	Space	13.50	600,000.00	0
Unenclosed Parking with Elevator	1,000.00	Space	9.00	400,000.00	0
Apartments Mid Rise	150.00	Dwelling Unit	3.95	150,000.00	401
Strip Mall	51.40	1000sqft	1.18	51,400.00	0
Strip Mall	41.40	1000sqft	0.95	41,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2030
Utility Company	Sacramento Municipal Utility District				

CO2 Intensity (lb/MWhr)	316.1	**CH4 Intensity (lb/MWhr)**	0.008	**N2O Intensity (lb/MWhr)**	0.001

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SMUD intensity factor adjusted for 2030 RPS compliance (60% renewable)

Land Use -

Construction Phase - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Trips and VMT - Operation only

Grading -

Architectural Coating - Operation only

Vehicle Trips - Mobile source modeled separately

Energy Use - Total project electricity demand = 39,921,600 kWh/yr. Natural gas included under boiler.

Water And Wastewater - Project total water demand = 84,645,755 gal/year.

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Area Mitigation - All arch coatings no greater than 50 g/L, all electric landscaping equipment

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	554,075.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,662,225.00	0.00

tblArchitecturalCoating	ConstArea_Parking	71,730.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	101,250.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	303,750.00	0.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	50
tblConstructionPhase	NumDays	75.00	0.00
tblConstructionPhase	NumDays	1,110.00	0.00
tblConstructionPhase	NumDays	70.00	0.00
tblConstructionPhase	NumDays	110.00	0.00
tblConstructionPhase	NumDays	75.00	0.00
tblConstructionPhase	NumDays	40.00	0.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	4.57	0.00
tblEnergyUse	LightingElect	3.71	0.00
tblEnergyUse	LightingElect	4.98	0.00
tblEnergyUse	LightingElect	3.71	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	5.33	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	0.19	0.00

tblEnergyUse	NT24E	7.20	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	2.98	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	12.42	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	NT24NG	0.93	0.00
tblEnergyUse	T24E	460.92	266,144.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24E	3.41	0.00
tblEnergyUse	T24E	4.98	0.00
tblEnergyUse	T24E	9.18	0.00
tblEnergyUse	T24E	4.98	0.00
tblEnergyUse	T24E	3.26	0.00
tblEnergyUse	T24NG	7,061.10	0.00
tblEnergyUse	T24NG	23.39	0.00
tblEnergyUse	T24NG	12.42	0.00
tblEnergyUse	T24NG	57.91	0.00
tblEnergyUse	T24NG	12.42	0.00
tblEnergyUse	T24NG	4.49	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.008
tblProjectCharacteristics	CO2IntensityFactor	590.31	316.1
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.001
tblTripsAndVMT	VendorTripNumber	394.00	0.00
tblTripsAndVMT	WorkerTripNumber	967.00	0.00
tblTripsAndVMT	WorkerTripNumber	193.00	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	0.00

tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	9,773,103.84	84,645,755.00
tblWater	IndoorWaterUseRate	5,284,062.50	0.00
tblWater	IndoorWaterUseRate	4,265,609.95	0.00
tblWater	IndoorWaterUseRate	108,979,846.87	0.00
tblWater	IndoorWaterUseRate	12,548,053.76	0.00
tblWater	IndoorWaterUseRate	6,873,929.99	0.00
tblWater	OutdoorWaterUseRate	6,161,304.60	0.00
tblWater	OutdoorWaterUseRate	2,614,406.10	0.00
tblWater	OutdoorWaterUseRate	20,758,066.07	0.00
tblWater	OutdoorWaterUseRate	2,390,105.48	0.00
tblWater	OutdoorWaterUseRate	4,213,053.87	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.6660	0.0183	1.5945	9.0000e-005		8.7600e-003	8.7600e-003		8.7600e-003	8.7600e-003	0.0000	2.6279	2.6279	2.6700e-003	0.0000	2.6946
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5,723.9809	5,723.9809	0.1449	0.0181	5,732.9987
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.4895	1.1261	6.1437	0.0358		0.4679	0.4679		0.4679	0.4679	0.0000	6,424.7232	6,424.7232	0.1326	0.0000	6,428.0388
Waste						0.0000	0.0000		0.0000	0.0000	2,167.3122	0.0000	2,167.3122	128.0845	0.0000	5,369.4242
Water						0.0000	0.0000		0.0000	0.0000	29.9478	60.4716	90.4194	0.1046	0.0653	112.4994
Total	**6.1555**	**1.1444**	**7.7383**	**0.0359**	**0.0000**	**0.4767**	**0.4767**	**0.0000**	**0.4767**	**0.4767**	**2,197.2600**	**12,211.8036**	**14,409.0636**	**128.4693**	**0.0834**	**17,645.6557**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.3295	0.0144	1.2023	6.0000e-005		6.4800e-003	6.4800e-003		6.4800e-003	6.4800e-003	0.0000	1.8226	1.8226	1.3700e-003	0.0000	1.8569
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5,723.9809	5,723.9809	0.1449	0.0181	5,732.9987
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.4895	1.1261	6.1437	0.0358		0.4679	0.4679		0.4679	0.4679	0.0000	6,424.7232	6,424.7232	0.1326	0.0000	6,428.0388
Waste						0.0000	0.0000		0.0000	0.0000	2,167.3122	0.0000	2,167.3122	128.0845	0.0000	5,369.4242
Water						0.0000	0.0000		0.0000	0.0000	29.9478	60.4716	90.4194	0.1046	0.0653	112.4994
Total	**5.8191**	**1.1405**	**7.3460**	**0.0359**	**0.0000**	**0.4744**	**0.4744**	**0.0000**	**0.4744**	**0.4744**	**2,197.2600**	**12,210.9983**	**14,408.2583**	**128.4680**	**0.0834**	**17,644.8180**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.47**	**0.34**	**5.07**	**0.08**	**0.00**	**0.48**	**0.48**	**0.00**	**0.48**	**0.48**	**0.00**	**0.01**	**0.01**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/26/2019	12/25/2019	5	0	
2	Site Preparation	Site Preparation	4/2/2020	4/1/2020	5	0	
3	Grading	Grading	5/28/2020	5/27/2020	5	0	
4	Building Construction	Building Construction	10/29/2020	10/28/2020	5	0	
5	Paving	Paving	1/30/2025	1/29/2025	5	0	
6	Architectural Coating	Architectural Coating	5/15/2025	5/14/2025	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 26.91

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

CNU Operation - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	0.00	0.00	0.00		
Strip Mall	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Medical Office Building	10.00	5.00	6.50	29.60	51.40	19.00	60	30	10
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Strip Mall	10.00	5.00	6.50	16.60	64.40	19.00	45	40	15
Strip Mall	10.00	5.00	6.50	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Enclosed Parking with Elevator	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
General Light Industry	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
General Office Building	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Hospital	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Medical Office Building	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Parking Lot	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Strip Mall	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Unenclosed Parking with Elevator	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

CNU Operation - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,723.9809	5,723.9809	0.1449	0.0181	5,732.9987
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,723.9809	5,723.9809	0.1449	0.0181	5,732.9987
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.99216e+007	5,723.9809	0.1449	0.0181	5,732.9987
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**5,723.9809**	**0.1449**	**0.0181**	**5,732.9987**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.99216e+007	5,723.9809	0.1449	0.0181	5,732.9987
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**5,723.9809**	**0.1449**	**0.0181**	**5,732.9987**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.3295	0.0144	1.2023	6.0000e-005		6.4800e-003	6.4800e-003		6.4800e-003	6.4800e-003	0.0000	1.8226	1.8226	1.3700e-003	0.0000	1.8569
Unmitigated	5.6660	0.0183	1.5945	9.0000e-005		8.7600e-003	8.7600e-003		8.7600e-003	8.7600e-003	0.0000	2.6279	2.6279	2.6700e-003	0.0000	2.6946

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.6241					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9910					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0509	0.0183	1.5945	9.0000e-005		8.7600e-003	8.7600e-003		8.7600e-003	8.7600e-003	0.0000	2.6279	2.6279	2.6700e-003	0.0000	2.6946
Total	**5.6660**	**0.0183**	**1.5945**	**9.0000e-005**		**8.7600e-003**	**8.7600e-003**		**8.7600e-003**	**8.7600e-003**	**0.0000**	**2.6279**	**2.6279**	**2.6700e-003**	**0.0000**	**2.6946**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.3121					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.9910					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0265	0.0144	1.2023	6.0000e-005		6.4800e-003	6.4800e-003		6.4800e-003	6.4800e-003	0.0000	1.8226	1.8226	1.3700e-003	0.0000	1.8569
Total	**5.3295**	**0.0144**	**1.2023**	**6.0000e-005**		**6.4800e-003**	**6.4800e-003**		**6.4800e-003**	**6.4800e-003**	**0.0000**	**1.8226**	**1.8226**	**1.3700e-003**	**0.0000**	**1.8569**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	90.4194	0.1046	0.0653	112.4994
Unmitigated	90.4194	0.1046	0.0653	112.4994

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	84.6458 / 0	90.4194	0.1046	0.0653	112.4994
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	0 / 0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**90.4194**	**0.1046**	**0.0653**	**112.4994**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	84.6458 / 0	90.4194	0.1046	0.0653	112.4994
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Hospital	0 / 0	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Strip Mall	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**90.4194**	**0.1046**	**0.0653**	**112.4994**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2,167.3122	128.0845	0.0000	5,369.4242
Unmitigated	2,167.3122	128.0845	0.0000	5,369.4242

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	69	14.0064	0.8278	0.0000	34.7002
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	28.33	5.7507	0.3399	0.0000	14.2472
General Office Building	22.32	4.5308	0.2678	0.0000	11.2248
Hospital	9379.8	1,904.0146	112.5240	0.0000	4,717.1157
Medical Office Building	1080	219.2302	12.9561	0.0000	543.1336
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	97.44	19.7794	1.1689	0.0000	49.0027
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**2,167.3122**	**128.0845**	**0.0000**	**5,369.4242**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	69	14.0064	0.8278	0.0000	34.7002
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Light Industry	28.33	5.7507	0.3399	0.0000	14.2472
General Office Building	22.32	4.5308	0.2678	0.0000	11.2248
Hospital	9379.8	1,904.0146	112.5240	0.0000	4,717.1157
Medical Office Building	1080	219.2302	12.9561	0.0000	543.1336
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Strip Mall	97.44	19.7794	1.1689	0.0000	49.0027
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		**2,167.3122**	**128.0845**	**0.0000**	**5,369.4242**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	4	1	96	536	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	325.82	118924	13.58	CNG

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Boiler - CNG (5 - 75 MMBTU)	0.3206	0.6541	5.7131	0.0350		0.4431	0.4431		0.4431	0.4431	0.0000	6,346.3460	6,346.3460	0.1216	0.0000	6,349.3869
Emergency Generator - Diesel (300 - 600 HP)	0.1689	0.4720	0.4306	8.1000e-004		0.0248	0.0248		0.0248	0.0248	0.0000	78.3772	78.3772	0.0110	0.0000	78.6519
Total	**0.4895**	**1.1261**	**6.1437**	**0.0358**		**0.4679**	**0.4679**		**0.4679**	**0.4679**	**0.0000**	**6,424.7232**	**6,424.7232**	**0.1326**	**0.0000**	**6,428.0388**

11.0 Vegetation

CNU Operation

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	24.00	1000sqft	0.55	24,000.00	0
Hospital	596.79	1000sqft	13.70	596,790.00	0
Hospital	103.21	1000sqft	2.37	103,210.00	0
Hospital	168.50	1000sqft	3.87	168,500.00	0
Medical Office Building	100.00	1000sqft	2.30	100,000.00	0
General Light Industry	22.85	1000sqft	0.52	22,850.00	0
Enclosed Parking with Elevator	80.00	Space	0.72	32,000.00	0
Enclosed Parking with Elevator	170.00	Space	1.53	68,000.00	0
Enclosed Parking with Elevator	200.00	Space	1.80	80,000.00	0
Parking Lot	15.50	1000sqft	0.36	15,500.00	0
Unenclosed Parking with Elevator	1,500.00	Space	13.50	600,000.00	0
Unenclosed Parking with Elevator	1,000.00	Space	9.00	400,000.00	0
Apartments Mid Rise	150.00	Dwelling Unit	3.95	150,000.00	401
Strip Mall	51.40	1000sqft	1.18	51,400.00	0
Strip Mall	41.40	1000sqft	0.95	41,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2030
Utility Company	Sacramento Municipal Utility District				

CO2 Intensity (lb/MWhr)	316.1	**CH4 Intensity (lb/MWhr)**	0.008	**N2O Intensity (lb/MWhr)**	0.001

1.3 User Entered Comments & Non-Default Data

Project Characteristics - SMUD intensity factor adjusted for 2030 RPS compliance (60% renewable)

Land Use -

Construction Phase - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Trips and VMT - Operation only

Grading -

Architectural Coating - Operation only

Vehicle Trips - Mobile source modeled separately

Energy Use - Total project electricity demand = 39,921,600 kWh/yr. Natural gas included under boiler.

Water And Wastewater - Project total water demand = 84,645,755 gal/year.

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Area Mitigation - All arch coatings no greater than 50 g/L, all electric landscaping equipment

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	554,075.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,662,225.00	0.00

tblArchitecturalCoating	ConstArea_Parking	71,730.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	101,250.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	303,750.00	0.00
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	50
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	50
tblConstructionPhase	NumDays	75.00	0.00
tblConstructionPhase	NumDays	1,110.00	0.00
tblConstructionPhase	NumDays	70.00	0.00
tblConstructionPhase	NumDays	110.00	0.00
tblConstructionPhase	NumDays	75.00	0.00
tblConstructionPhase	NumDays	40.00	0.00
tblEnergyUse	LightingElect	741.44	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	LightingElect	4.57	0.00
tblEnergyUse	LightingElect	3.71	0.00
tblEnergyUse	LightingElect	4.98	0.00
tblEnergyUse	LightingElect	3.71	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	LightingElect	5.33	0.00
tblEnergyUse	LightingElect	1.75	0.00
tblEnergyUse	NT24E	3,054.10	0.00
tblEnergyUse	NT24E	0.19	0.00

tblEnergyUse	NT24E	7.20	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24E	2.98	0.00
tblEnergyUse	NT24E	0.19	0.00
tblEnergyUse	NT24NG	2,687.00	0.00
tblEnergyUse	NT24NG	12.42	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	NT24NG	0.93	0.00
tblEnergyUse	T24E	460.92	266,144.00
tblEnergyUse	T24E	3.92	0.00
tblEnergyUse	T24E	3.41	0.00
tblEnergyUse	T24E	4.98	0.00
tblEnergyUse	T24E	9.18	0.00
tblEnergyUse	T24E	4.98	0.00
tblEnergyUse	T24E	3.26	0.00
tblEnergyUse	T24NG	7,061.10	0.00
tblEnergyUse	T24NG	23.39	0.00
tblEnergyUse	T24NG	12.42	0.00
tblEnergyUse	T24NG	57.91	0.00
tblEnergyUse	T24NG	12.42	0.00
tblEnergyUse	T24NG	4.49	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.008
tblProjectCharacteristics	CO2IntensityFactor	590.31	316.1
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.001
tblTripsAndVMT	VendorTripNumber	394.00	0.00
tblTripsAndVMT	WorkerTripNumber	967.00	0.00
tblTripsAndVMT	WorkerTripNumber	193.00	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	0.00

tblVehicleTrips	ST_TR	8.96	0.00
tblVehicleTrips	ST_TR	42.04	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	1.55	0.00
tblVehicleTrips	SU_TR	20.43	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblVehicleTrips	WD_TR	36.13	0.00
tblVehicleTrips	WD_TR	44.32	0.00
tblWater	IndoorWaterUseRate	9,773,103.84	84,645,755.00
tblWater	IndoorWaterUseRate	5,284,062.50	0.00
tblWater	IndoorWaterUseRate	4,265,609.95	0.00
tblWater	IndoorWaterUseRate	108,979,846.87	0.00
tblWater	IndoorWaterUseRate	12,548,053.76	0.00
tblWater	IndoorWaterUseRate	6,873,929.99	0.00
tblWater	OutdoorWaterUseRate	6,161,304.60	0.00
tblWater	OutdoorWaterUseRate	2,614,406.10	0.00
tblWater	OutdoorWaterUseRate	20,758,066.07	0.00
tblWater	OutdoorWaterUseRate	2,390,105.48	0.00
tblWater	OutdoorWaterUseRate	4,213,053.87	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	31.1747	0.1460	12.7563	6.8000e-004		0.0701	0.0701		0.0701	0.0701	0.0000	23.1744	23.1744	0.0235	0.0000	23.7626
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	5.2754	13.4180	40.2761	0.2086		2.9453	2.9453		2.9453	2.9453		40,132.3379	40,132.3379	0.9871		40,157.0143
Total	**36.4500**	**13.5640**	**53.0324**	**0.2093**	**0.0000**	**3.0154**	**3.0154**	**0.0000**	**3.0154**	**3.0154**	**0.0000**	**40,155.5123**	**40,155.5123**	**1.0106**	**0.0000**	**40,180.7769**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	29.2697	0.1153	9.6181	4.4000e-004		0.0518	0.0518		0.0518	0.0518	0.0000	16.0730	16.0730	0.0121	0.0000	16.3753
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Stationary	5.2754	13.4180	40.2761	0.2086		2.9453	2.9453		2.9453	2.9453		40,132.3379	40,132.3379	0.9871		40,157.0143
Total	**34.5450**	**13.5333**	**49.8942**	**0.2090**	**0.0000**	**2.9971**	**2.9971**	**0.0000**	**2.9971**	**2.9971**	**0.0000**	**40,148.4109**	**40,148.4109**	**0.9991**	**0.0000**	**40,173.3895**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.23**	**0.23**	**5.92**	**0.11**	**0.00**	**0.61**	**0.61**	**0.00**	**0.61**	**0.61**	**0.00**	**0.02**	**0.02**	**1.13**	**0.00**	**0.02**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/26/2019	12/25/2019	5	0	
2	Site Preparation	Site Preparation	4/2/2020	4/1/2020	5	0	
3	Grading	Grading	5/28/2020	5/27/2020	5	0	
4	Building Construction	Building Construction	10/29/2020	10/28/2020	5	0	
5	Paving	Paving	1/30/2025	1/29/2025	5	0	
6	Architectural Coating	Architectural Coating	5/15/2025	5/14/2025	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 26.91

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

CNU Operation - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Light Industry	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Medical Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Strip Mall	0.00	0.00	0.00		
Strip Mall	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.00	5.00	6.50	46.50	12.50	41.00	86	11	3
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3
General Office Building	10.00	5.00	6.50	33.00	48.00	19.00	77	19	4
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Hospital	10.00	5.00	6.50	64.90	16.10	19.00	73	25	2
Medical Office Building	10.00	5.00	6.50	29.60	51.40	19.00	60	30	10
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Strip Mall	10.00	5.00	6.50	16.60	64.40	19.00	45	40	15
Strip Mall	10.00	5.00	6.50	16.60	64.40	19.00	45	40	15
Unenclosed Parking with	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Enclosed Parking with Elevator	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
General Light Industry	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
General Office Building	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Hospital	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Medical Office Building	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Parking Lot	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Strip Mall	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618
Unenclosed Parking with Elevator	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	29.2697	0.1153	9.6181	4.4000e-004		0.0518	0.0518		0.0518	0.0518	0.0000	16.0730	16.0730	0.0121	0.0000	16.3753
Unmitigated	31.1747	0.1460	12.7563	6.8000e-004		0.0701	0.0701		0.0701	0.0701	0.0000	23.1744	23.1744	0.0235	0.0000	23.7626

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.4198					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	27.3479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.4070	0.1460	12.7563	6.8000e-004		0.0701	0.0701		0.0701	0.0701		23.1744	23.1744	0.0235		23.7626
Total	**31.1747**	**0.1460**	**12.7563**	**6.8000e-004**		**0.0701**	**0.0701**		**0.0701**	**0.0701**	**0.0000**	**23.1744**	**23.1744**	**0.0235**	**0.0000**	**23.7626**

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.7099					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	27.3479					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2120	0.1153	9.6181	4.4000e-004		0.0518	0.0518		0.0518	0.0518		16.0730	16.0730	0.0121		16.3753
Total	**29.2697**	**0.1153**	**9.6181**	**4.4000e-004**		**0.0518**	**0.0518**		**0.0518**	**0.0518**	**0.0000**	**16.0730**	**16.0730**	**0.0121**	**0.0000**	**16.3753**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	4	1	96	536	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
Boiler	1	325.82	118924	13.58	CNG

User Defined Equipment

Equipment Type	Number

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Boiler - CNG (5 - 75 MMBTU)	1.7569	3.5841	31.3048	0.1917		2.4277	2.4277		2.4277	2.4277		38,332.4196	38,332.4196	0.7347		38,350.7873
Emergency Generator - Diesel (300 - 600 HP)	3.5185	9.8339	8.9713	0.0169		0.5176	0.5176		0.5176	0.5176		1,799.9183	1,799.9183	0.2524		1,806.2270
Total	**5.2754**	**13.4180**	**40.2761**	**0.2086**		**2.9453**	**2.9453**		**2.9453**	**2.9453**		**40,132.3379**	**40,132.3379**	**0.9871**		**40,157.0143**

11.0 Vegetation

CNU Mobile with TDM with EMFAC Adjustment

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2030
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Grading -

Architectural Coating - Mobile sector only

Vehicle Trips - Trip rates and lengths adjusted to match traffic study VMT and trip generation estimates

Consumer Products - Mobile sector only

Area Coating - Mobile sector only

Landscape Equipment - Mobile sector only

Energy Use - Mobile sector only

Water And Wastewater - Mobile sector only

Solid Waste - Mobile sector only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	500.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,500.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	500	0
tblAreaCoating	Area_Nonresidential_Interior	1500	0
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	10.00	0.00

CNU Mobile with TDM with EMFAC Adjustment - Sacramento County, Summer

tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblEnergyUse	LightingElect	4.98	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	T24E	9.18	0.00
tblEnergyUse	T24NG	57.91	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblSolidWaste	SolidWasteGenerationRate	10.80	0.00
tblVehicleEF	LDA	0.38	0.39
tblVehicleEF	LDA	0.66	0.67

tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	1.2310e-003	1.2630e-003
tblVehicleEF	LDA	1.8680e-003	1.9166e-003
tblVehicleEF	LDA	1.1330e-003	1.1625e-003
tblVehicleEF	LDA	1.7180e-003	1.7627e-003
tblVehicleEF	LDA	5.3790e-003	5.3951e-003
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tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	7.8250e-003	7.8485e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
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tblVehicleEF	LDA	0.54	0.55
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	1.2310e-003	1.2630e-003
tblVehicleEF	LDA	1.8680e-003	1.9166e-003
tblVehicleEF	LDA	1.1330e-003	1.1625e-003
tblVehicleEF	LDA	1.7180e-003	1.7627e-003
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tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	9.1290e-003	9.1564e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.36	0.36

tblVehicleEF	LDA	0.82	0.83
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	1.2310e-003	1.2630e-003
tblVehicleEF	LDA	1.8680e-003	1.9166e-003
tblVehicleEF	LDA	1.1330e-003	1.1625e-003
tblVehicleEF	LDA	1.7180e-003	1.7627e-003
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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.3920e-003	7.4142e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDT1	0.65	0.66
tblVehicleEF	LDT1	1.46	1.49
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	1.6240e-003	1.6662e-003
tblVehicleEF	LDT1	2.3930e-003	2.4552e-003
tblVehicleEF	LDT1	1.4950e-003	1.5339e-003
tblVehicleEF	LDT1	2.2000e-003	2.2572e-003
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.10	0.10

tblVehicleEF	LDT1	0.82	0.84
tblVehicleEF	LDT1	1.20	1.22
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.6240e-003	1.6662e-003
tblVehicleEF	LDT1	2.3930e-003	2.4552e-003
tblVehicleEF	LDT1	1.4950e-003	1.5339e-003
tblVehicleEF	LDT1	2.2000e-003	2.2572e-003
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.62	0.63
tblVehicleEF	LDT1	1.83	1.86
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	1.6240e-003	1.6662e-003
tblVehicleEF	LDT1	2.3930e-003	2.4552e-003
tblVehicleEF	LDT1	1.4950e-003	1.5339e-003
tblVehicleEF	LDT1	2.2000e-003	2.2572e-003
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.14

tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT2	0.56	0.57
tblVehicleEF	LDT2	1.00	1.01
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.3880e-003	1.4241e-003
tblVehicleEF	LDT2	2.0850e-003	2.1392e-003
tblVehicleEF	LDT2	1.2770e-003	1.3102e-003
tblVehicleEF	LDT2	1.9170e-003	1.9668e-003
tblVehicleEF	LDT2	8.3500e-003	8.3751e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.71	0.73
tblVehicleEF	LDT2	0.83	0.84
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.3880e-003	1.4241e-003
tblVehicleEF	LDT2	2.0850e-003	2.1392e-003
tblVehicleEF	LDT2	1.2770e-003	1.3102e-003
tblVehicleEF	LDT2	1.9170e-003	1.9668e-003
tblVehicleEF	LDT2	9.7260e-003	9.7552e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01

tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.53	0.54
tblVehicleEF	LDT2	1.23	1.24
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	1.3880e-003	1.4241e-003
tblVehicleEF	LDT2	2.0850e-003	2.1392e-003
tblVehicleEF	LDT2	1.2770e-003	1.3102e-003
tblVehicleEF	LDT2	1.9170e-003	1.9668e-003
tblVehicleEF	LDT2	7.8910e-003	7.9147e-003
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	MDV	0.75	0.76
tblVehicleEF	MDV	1.73	1.76
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	1.4450e-003	1.4826e-003
tblVehicleEF	MDV	2.1530e-003	2.2090e-003
tblVehicleEF	MDV	1.3310e-003	1.3656e-003
tblVehicleEF	MDV	1.9800e-003	2.0315e-003
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.12	0.12

tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.95	0.97
tblVehicleEF	MDV	1.43	1.45
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	1.4450e-003	1.4826e-003
tblVehicleEF	MDV	2.1530e-003	2.2090e-003
tblVehicleEF	MDV	1.3310e-003	1.3656e-003
tblVehicleEF	MDV	1.9800e-003	2.0315e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.71	0.72
tblVehicleEF	MDV	2.15	2.18
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	1.4450e-003	1.4826e-003
tblVehicleEF	MDV	2.1530e-003	2.2090e-003
tblVehicleEF	MDV	1.3310e-003	1.3656e-003
tblVehicleEF	MDV	1.9800e-003	2.0315e-003
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.12	0.12

tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.15	0.15
tblVehicleTrips	CC_TL	5.00	40.45
tblVehicleTrips	CNW_TL	6.50	47.00
tblVehicleTrips	CW_TL	10.00	100.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	WD_TR	13.22	2,954.84
tblWater	IndoorWaterUseRate	125,480.54	0.00
tblWater	OutdoorWaterUseRate	23,901.05	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0214	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	13.0493	57.3730	305.2294	1.3007	145.0223	0.7488	145.7710	38.7270	0.6967	39.4237		132,155.9089	132,155.9089	4.1829		132,260.4805
Total	**13.0707**	**57.3730**	**305.2295**	**1.3007**	**145.0223**	**0.7488**	**145.7710**	**38.7270**	**0.6967**	**39.4237**		**132,155.9091**	**132,155.9091**	**4.1829**	**0.0000**	**132,260.4807**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0214	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	13.0493	57.3730	305.2294	1.3007	145.0223	0.7488	145.7710	38.7270	0.6967	39.4237		132,155.9089	132,155.9089	4.1829		132,260.4805
Total	**13.0707**	**57.3730**	**305.2295**	**1.3007**	**145.0223**	**0.7488**	**145.7710**	**38.7270**	**0.6967**	**39.4237**		**132,155.9091**	**132,155.9091**	**4.1829**	**0.0000**	**132,260.4807**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/6/2020	4/5/2020	5	0	
2	Site Preparation	Site Preparation	4/18/2020	4/17/2020	5	0	
3	Grading	Grading	4/21/2020	4/20/2020	5	0	
4	Building Construction	Building Construction	4/23/2020	4/22/2020	5	0	
5	Paving	Paving	9/10/2020	9/9/2020	5	0	
6	Architectural Coating	Architectural Coating	9/17/2020	9/16/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

CNU Mobile with TDM with EMFAC Adjustment - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	7.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	13.0493	57.3730	305.2294	1.3007	145.0223	0.7488	145.7710	38.7270	0.6967	39.4237		132,155.9089	132,155.9089	4.1829		132,260.4805
Unmitigated	13.0493	57.3730	305.2294	1.3007	145.0223	0.7488	145.7710	38.7270	0.6967	39.4237		132,155.9089	132,155.9089	4.1829		132,260.4805

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	2,954.84	0.00	0.00	48,917,226	48,917,226
Total	2,954.84	0.00	0.00	48,917,226	48,917,226

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hospital	100.00	40.45	47.00	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0214	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	0.0214	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**0.0214**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**0.0214**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

CNU Mobile with TDM with EMFAC Adjustment

Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2030
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Grading -

Architectural Coating - Mobile sector only

Vehicle Trips - Trip rates and lengths adjusted to match traffic study VMT and trip generation estimates

Consumer Products - Mobile sector only

Area Coating - Mobile sector only

Landscape Equipment - Mobile sector only

Energy Use - Mobile sector only

Water And Wastewater - Mobile sector only

Solid Waste - Mobile sector only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	500.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,500.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	500	0
tblAreaCoating	Area_Nonresidential_Interior	1500	0
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	10.00	0.00

tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblEnergyUse	LightingElect	4.98	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	T24E	9.18	0.00
tblEnergyUse	T24NG	57.91	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblSolidWaste	SolidWasteGenerationRate	10.80	0.00
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tblVehicleEF	LDA	0.66	0.67

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tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	1.2310e-003	1.2630e-003
tblVehicleEF	LDA	1.8680e-003	1.9166e-003
tblVehicleEF	LDA	1.1330e-003	1.1625e-003
tblVehicleEF	LDA	1.7180e-003	1.7627e-003
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tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	7.8250e-003	7.8485e-003
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tblVehicleEF	LDA	0.03	0.03
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tblVehicleEF	LDA	0.54	0.55
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	1.2310e-003	1.2630e-003
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tblVehicleEF	LDA	1.1330e-003	1.1625e-003
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tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.36	0.36

tblVehicleEF	LDA	0.82	0.83
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	1.2310e-003	1.2630e-003
tblVehicleEF	LDA	1.8680e-003	1.9166e-003
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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDT1	0.65	0.66
tblVehicleEF	LDT1	1.46	1.49
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	1.6240e-003	1.6662e-003
tblVehicleEF	LDT1	2.3930e-003	2.4552e-003
tblVehicleEF	LDT1	1.4950e-003	1.5339e-003
tblVehicleEF	LDT1	2.2000e-003	2.2572e-003
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.10	0.10

tblVehicleEF	LDT1	0.82	0.84
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tblVehicleEF	LDT1	1.6240e-003	1.6662e-003
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tblVehicleEF	LDT1	1.4950e-003	1.5339e-003
tblVehicleEF	LDT1	2.2000e-003	2.2572e-003
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.62	0.63
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tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	1.6240e-003	1.6662e-003
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tblVehicleEF	LDT1	1.4950e-003	1.5339e-003
tblVehicleEF	LDT1	2.2000e-003	2.2572e-003
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.14

tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT2	0.56	0.57
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tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.3880e-003	1.4241e-003
tblVehicleEF	LDT2	2.0850e-003	2.1392e-003
tblVehicleEF	LDT2	1.2770e-003	1.3102e-003
tblVehicleEF	LDT2	1.9170e-003	1.9668e-003
tblVehicleEF	LDT2	8.3500e-003	8.3751e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.71	0.73
tblVehicleEF	LDT2	0.83	0.84
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.3880e-003	1.4241e-003
tblVehicleEF	LDT2	2.0850e-003	2.1392e-003
tblVehicleEF	LDT2	1.2770e-003	1.3102e-003
tblVehicleEF	LDT2	1.9170e-003	1.9668e-003
tblVehicleEF	LDT2	9.7260e-003	9.7552e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01

tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.53	0.54
tblVehicleEF	LDT2	1.23	1.24
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	1.3880e-003	1.4241e-003
tblVehicleEF	LDT2	2.0850e-003	2.1392e-003
tblVehicleEF	LDT2	1.2770e-003	1.3102e-003
tblVehicleEF	LDT2	1.9170e-003	1.9668e-003
tblVehicleEF	LDT2	7.8910e-003	7.9147e-003
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	MDV	0.75	0.76
tblVehicleEF	MDV	1.73	1.76
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	1.4450e-003	1.4826e-003
tblVehicleEF	MDV	2.1530e-003	2.2090e-003
tblVehicleEF	MDV	1.3310e-003	1.3656e-003
tblVehicleEF	MDV	1.9800e-003	2.0315e-003
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.12	0.12

tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.95	0.97
tblVehicleEF	MDV	1.43	1.45
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	1.4450e-003	1.4826e-003
tblVehicleEF	MDV	2.1530e-003	2.2090e-003
tblVehicleEF	MDV	1.3310e-003	1.3656e-003
tblVehicleEF	MDV	1.9800e-003	2.0315e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.71	0.72
tblVehicleEF	MDV	2.15	2.18
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	1.4450e-003	1.4826e-003
tblVehicleEF	MDV	2.1530e-003	2.2090e-003
tblVehicleEF	MDV	1.3310e-003	1.3656e-003
tblVehicleEF	MDV	1.9800e-003	2.0315e-003
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.12	0.12

tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.15	0.15
tblVehicleTrips	CC_TL	5.00	40.45
tblVehicleTrips	CNW_TL	6.50	47.00
tblVehicleTrips	CW_TL	10.00	100.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	WD_TR	13.22	2,954.84
tblWater	IndoorWaterUseRate	125,480.54	0.00
tblWater	OutdoorWaterUseRate	23,901.05	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0214	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	11.7604	64.1385	249.7818	1.1777	145.0223	0.7494	145.7716	38.7270	0.6973	39.4243		119,903.7674	119,903.7674	4.0196		120,004.2580
Total	**11.7818**	**64.1385**	**249.7819**	**1.1777**	**145.0223**	**0.7494**	**145.7716**	**38.7270**	**0.6973**	**39.4243**		**119,903.7676**	**119,903.7676**	**4.0196**	**0.0000**	**120,004.2582**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0214	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	11.7604	64.1385	249.7818	1.1777	145.0223	0.7494	145.7716	38.7270	0.6973	39.4243		119,903.7674	119,903.7674	4.0196		120,004.2580
Total	**11.7818**	**64.1385**	**249.7819**	**1.1777**	**145.0223**	**0.7494**	**145.7716**	**38.7270**	**0.6973**	**39.4243**		**119,903.7676**	**119,903.7676**	**4.0196**	**0.0000**	**120,004.2582**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/6/2020	4/5/2020	5	0	
2	Site Preparation	Site Preparation	4/18/2020	4/17/2020	5	0	
3	Grading	Grading	4/21/2020	4/20/2020	5	0	
4	Building Construction	Building Construction	4/23/2020	4/22/2020	5	0	
5	Paving	Paving	9/10/2020	9/9/2020	5	0	
6	Architectural Coating	Architectural Coating	9/17/2020	9/16/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

CNU Mobile with TDM with EMFAC Adjustment - Sacramento County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	7.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.7604	64.1385	249.7818	1.1777	145.0223	0.7494	145.7716	38.7270	0.6973	39.4243		119,903.7674	119,903.7674	4.0196		120,004.2580
Unmitigated	11.7604	64.1385	249.7818	1.1777	145.0223	0.7494	145.7716	38.7270	0.6973	39.4243		119,903.7674	119,903.7674	4.0196		120,004.2580

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	2,954.84	0.00	0.00	48,917,226	48,917,226
Total	2,954.84	0.00	0.00	48,917,226	48,917,226

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hospital	100.00	40.45	47.00	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0214	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	0.0214	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**0.0214**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	**0.0214**	**0.0000**	**1.0000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**2.2000e-004**	**2.2000e-004**	**0.0000**		**2.3000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

CNU Mobile with TDM with EMFAC Adjustment

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hospital	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	3.5	**Precipitation Freq (Days)**	58
Climate Zone	6			**Operational Year**	2030
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	590.31	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Off-road Equipment - Mobile sector only

Grading -

Architectural Coating - Mobile sector only

Vehicle Trips - Trip rates and lengths adjusted to match traffic study VMT and trip generation estimates

Consumer Products - Mobile sector only

Area Coating - Mobile sector only

Landscape Equipment - Mobile sector only

Energy Use - Mobile sector only

Water And Wastewater - Mobile sector only

Solid Waste - Mobile sector only

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	500.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	1,500.00	0.00
tblAreaCoating	Area_Nonresidential_Exterior	500	0
tblAreaCoating	Area_Nonresidential_Interior	1500	0
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	100.00	0.00
tblConstructionPhase	NumDays	10.00	0.00

tblConstructionPhase	NumDays	2.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	NumDays	1.00	0.00
tblEnergyUse	LightingElect	4.98	0.00
tblEnergyUse	NT24E	6.17	0.00
tblEnergyUse	NT24NG	9.61	0.00
tblEnergyUse	T24E	9.18	0.00
tblEnergyUse	T24NG	57.91	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblSolidWaste	SolidWasteGenerationRate	10.80	0.00
tblVehicleEF	LDA	0.38	0.39
tblVehicleEF	LDA	0.66	0.67

tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	1.2310e-003	1.2630e-003
tblVehicleEF	LDA	1.8680e-003	1.9166e-003
tblVehicleEF	LDA	1.1330e-003	1.1625e-003
tblVehicleEF	LDA	1.7180e-003	1.7627e-003
tblVehicleEF	LDA	5.3790e-003	5.3951e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	7.8250e-003	7.8485e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.49	0.49
tblVehicleEF	LDA	0.54	0.55
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	1.2310e-003	1.2630e-003
tblVehicleEF	LDA	1.8680e-003	1.9166e-003
tblVehicleEF	LDA	1.1330e-003	1.1625e-003
tblVehicleEF	LDA	1.7180e-003	1.7627e-003
tblVehicleEF	LDA	6.2730e-003	6.2918e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	9.1290e-003	9.1564e-003
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.36	0.36

tblVehicleEF	LDA	0.82	0.83
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	1.2310e-003	1.2630e-003
tblVehicleEF	LDA	1.8680e-003	1.9166e-003
tblVehicleEF	LDA	1.1330e-003	1.1625e-003
tblVehicleEF	LDA	1.7180e-003	1.7627e-003
tblVehicleEF	LDA	5.0820e-003	5.0972e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	7.3920e-003	7.4142e-003
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDT1	0.65	0.66
tblVehicleEF	LDT1	1.46	1.49
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	1.6240e-003	1.6662e-003
tblVehicleEF	LDT1	2.3930e-003	2.4552e-003
tblVehicleEF	LDT1	1.4950e-003	1.5339e-003
tblVehicleEF	LDT1	2.2000e-003	2.2572e-003
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.10	0.10

tblVehicleEF	LDT1	0.82	0.84
tblVehicleEF	LDT1	1.20	1.22
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	1.6240e-003	1.6662e-003
tblVehicleEF	LDT1	2.3930e-003	2.4552e-003
tblVehicleEF	LDT1	1.4950e-003	1.5339e-003
tblVehicleEF	LDT1	2.2000e-003	2.2572e-003
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.08	0.08
tblVehicleEF	LDT1	0.62	0.63
tblVehicleEF	LDT1	1.83	1.86
tblVehicleEF	LDT1	0.06	0.06
tblVehicleEF	LDT1	0.09	0.09
tblVehicleEF	LDT1	1.6240e-003	1.6662e-003
tblVehicleEF	LDT1	2.3930e-003	2.4552e-003
tblVehicleEF	LDT1	1.4950e-003	1.5339e-003
tblVehicleEF	LDT1	2.2000e-003	2.2572e-003
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	0.14	0.14
tblVehicleEF	LDT1	0.11	0.11
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.14	0.14

tblVehicleEF	LDT1	0.12	0.12
tblVehicleEF	LDT2	0.56	0.57
tblVehicleEF	LDT2	1.00	1.01
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.3880e-003	1.4241e-003
tblVehicleEF	LDT2	2.0850e-003	2.1392e-003
tblVehicleEF	LDT2	1.2770e-003	1.3102e-003
tblVehicleEF	LDT2	1.9170e-003	1.9668e-003
tblVehicleEF	LDT2	8.3500e-003	8.3751e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.71	0.73
tblVehicleEF	LDT2	0.83	0.84
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	1.3880e-003	1.4241e-003
tblVehicleEF	LDT2	2.0850e-003	2.1392e-003
tblVehicleEF	LDT2	1.2770e-003	1.3102e-003
tblVehicleEF	LDT2	1.9170e-003	1.9668e-003
tblVehicleEF	LDT2	9.7260e-003	9.7552e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.01	0.01

tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.53	0.54
tblVehicleEF	LDT2	1.23	1.24
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	1.3880e-003	1.4241e-003
tblVehicleEF	LDT2	2.0850e-003	2.1392e-003
tblVehicleEF	LDT2	1.2770e-003	1.3102e-003
tblVehicleEF	LDT2	1.9170e-003	1.9668e-003
tblVehicleEF	LDT2	7.8910e-003	7.9147e-003
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	MDV	0.75	0.76
tblVehicleEF	MDV	1.73	1.76
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	1.4450e-003	1.4826e-003
tblVehicleEF	MDV	2.1530e-003	2.2090e-003
tblVehicleEF	MDV	1.3310e-003	1.3656e-003
tblVehicleEF	MDV	1.9800e-003	2.0315e-003
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.12	0.12

tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.13	0.13
tblVehicleEF	MDV	0.95	0.97
tblVehicleEF	MDV	1.43	1.45
tblVehicleEF	MDV	0.07	0.07
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	1.4450e-003	1.4826e-003
tblVehicleEF	MDV	2.1530e-003	2.2090e-003
tblVehicleEF	MDV	1.3310e-003	1.3656e-003
tblVehicleEF	MDV	1.9800e-003	2.0315e-003
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.10	0.10
tblVehicleEF	MDV	0.10	0.11
tblVehicleEF	MDV	0.71	0.72
tblVehicleEF	MDV	2.15	2.18
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	1.4450e-003	1.4826e-003
tblVehicleEF	MDV	2.1530e-003	2.2090e-003
tblVehicleEF	MDV	1.3310e-003	1.3656e-003
tblVehicleEF	MDV	1.9800e-003	2.0315e-003
tblVehicleEF	MDV	0.01	0.01
tblVehicleEF	MDV	0.12	0.12

tblVehicleEF	MDV	0.14	0.14
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.12	0.12
tblVehicleEF	MDV	0.15	0.15
tblVehicleTrips	CC_TL	5.00	40.45
tblVehicleTrips	CNW_TL	6.50	47.00
tblVehicleTrips	CW_TL	10.00	100.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	WD_TR	13.22	2,954.84
tblWater	IndoorWaterUseRate	125,480.54	0.00
tblWater	OutdoorWaterUseRate	23,901.05	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.9100e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.5459	7.9781	33.0467	0.1563	18.2106	0.0973	18.3078	4.8769	0.0905	4.9674	0.0000	14,432.9981	14,432.9981	0.4740	0.0000	14,444.8470
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.5499**	**7.9781**	**33.0467**	**0.1563**	**18.2106**	**0.0973**	**18.3078**	**4.8769**	**0.0905**	**4.9674**	**0.0000**	**14,432.9982**	**14,432.9982**	**0.4740**	**0.0000**	**14,444.8470**

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.9100e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	1.5459	7.9781	33.0467	0.1563	18.2106	0.0973	18.3078	4.8769	0.0905	4.9674	0.0000	14,432.9981	14,432.9981	0.4740	0.0000	14,444.8470
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.5499**	**7.9781**	**33.0467**	**0.1563**	**18.2106**	**0.0973**	**18.3078**	**4.8769**	**0.0905**	**4.9674**	**0.0000**	**14,432.9982**	**14,432.9982**	**0.4740**	**0.0000**	**14,444.8470**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/6/2020	4/5/2020	5	0	
2	Site Preparation	Site Preparation	4/18/2020	4/17/2020	5	0	
3	Grading	Grading	4/21/2020	4/20/2020	5	0	
4	Building Construction	Building Construction	4/23/2020	4/22/2020	5	0	
5	Paving	Paving	9/10/2020	9/9/2020	5	0	
6	Architectural Coating	Architectural Coating	9/17/2020	9/16/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

CNU Mobile with TDM with EMFAC Adjustment - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Site Preparation	Graders	0	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Rubber Tired Dozers	0	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Building Construction	Cranes	0	4.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	0	7.00	130	0.42
Paving	Rollers	0	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.4 Grading - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.5 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Paving	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.6 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

3.7 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.5459	7.9781	33.0467	0.1563	18.2106	0.0973	18.3078	4.8769	0.0905	4.9674	0.0000	14,432.9981	14,432.9981	0.4740	0.0000	14,444.8470
Unmitigated	1.5459	7.9781	33.0467	0.1563	18.2106	0.0973	18.3078	4.8769	0.0905	4.9674	0.0000	14,432.9981	14,432.9981	0.4740	0.0000	14,444.8470

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hospital	2,954.84	0.00	0.00	48,917,226	48,917,226
Total	2,954.84	0.00	0.00	48,917,226	48,917,226

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hospital	100.00	40.45	47.00	64.90	16.10	19.00	73	25	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hospital	0.576778	0.034729	0.211659	0.106131	0.012287	0.004450	0.018380	0.025480	0.001877	0.001519	0.005480	0.000610	0.000618

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hospital	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hospital	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	3.9100e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	3.9100e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Total	**3.9100e-003**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**3.0000e-005**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Total	**3.9100e-003**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**3.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hospital	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hospital	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation