

APPENDIX 4.1
CALEEMOD MODELING OUTPUT

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UC Merced 2030 Rev3 - Merced County, Annual

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Merced County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	382.35	1000sqft	8.78	382,350.00	0
University/College (4Yr)	5,300.00	Student	22.36	665,000.00	6431
General Heavy Industry	100.00	1000sqft	2.30	100,000.00	0
Unenclosed Parking with Elevator	1,680.00	Space	15.12	672,000.00	0
Health Club	331.00	1000sqft	7.60	331,000.00	0
Apartments Mid Rise	1,200.00	Dwelling Unit	31.58	351,500.00	2400

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	49
Climate Zone	3			Operational Year	2030
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	427	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - Updated CO2 intensity factory from PG&E GHG Emission Factor Guidance for the year 2013 (most recent).

Land Use - Based on project description data. DU assumes 2 student residents per unit. Entire project site is 103 acres.

Construction Phase - Assumes Paving and Coating would overlap with construction after 1 year of building activity.

Trips and VMT -

Grading - 103.1 acre project site. Assumes entire site will be graded. Soil will be balanced on-site.

Architectural Coating -

Vehicle Trips - Based on Table 5 from Traffic Study.

Woodstoves - No wood burning or fireplaces.

Area Coating -

Energy Use -

Water And Wastewater - Water projection from West Yost identifies 66 million gallons for potable and irrigation water.

Solid Waste -

Construction Off-road Equipment Mitigation - Fugitive Dust Mitigation reflects compliance with SJVAPCD Rule 8021.

Area Mitigation - MM AQ-2B

Energy Mitigation -

Water Mitigation -

Waste Mitigation - 75% solid waste diversion consistent with AB 341.

Operational Off-Road Equipment -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	739,175.00	516,000.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	2,217,525.00	1,548,000.00
tblArchitecturalCoating	ConstArea_Parking	40,320.00	7,500.00
tblAreaCoating	Area_Nonresidential_Exterior	739175	516000
tblAreaCoating	Area_Nonresidential_Interior	2217525	1548000

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tblAreaCoating	Area_Parking	40320	7500
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	150	100
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	150	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	150	100
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	110.00	1,852.00
tblConstructionPhase	NumDays	110.00	1,831.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	660.00	0.00
tblFleetMix	HHD	0.15	0.00
tblFleetMix	LDA	0.53	0.00
tblFleetMix	LDT1	0.03	0.00
tblFleetMix	LDT2	0.16	0.00
tblFleetMix	LHD1	0.01	0.00
tblFleetMix	LHD2	3.3550e-003	0.00
tblFleetMix	MCY	5.5270e-003	0.00
tblFleetMix	MDV	0.09	0.00
tblFleetMix	MH	4.3600e-004	0.00
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	2.3470e-003	0.00
tblFleetMix	SBUS	1.3310e-003	0.00
tblFleetMix	UBUS	1.5940e-003	0.00
tblGrading	AcresOfGrading	387.50	103.10
tblLandUse	LandUseSquareFeet	974,126.58	665,000.00

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tblLandUse	LandUseSquareFeet	1,200,000.00	351,500.00
tblLandUse	Population	0.00	6,431.00
tblLandUse	Population	3,432.00	2,400.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	427
tblTripsAndVMT	VendorTripNumber	481.00	318.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	1.50	0.00
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	1.30	1.21
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	1.50	0.00
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.50	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	1.71	1.59
tblWater	IndoorWaterUseRate	78,184,830.75	0.00
tblWater	IndoorWaterUseRate	23,125,000.00	0.00
tblWater	IndoorWaterUseRate	75,957,530.89	0.00
tblWater	IndoorWaterUseRate	19,576,380.68	0.00
tblWater	IndoorWaterUseRate	11,347,830.00	25,520,000.00
tblWater	OutdoorWaterUseRate	49,290,436.77	0.00
tblWater	OutdoorWaterUseRate	46,554,615.71	0.00
tblWater	OutdoorWaterUseRate	11,998,426.87	0.00
tblWater	OutdoorWaterUseRate	17,749,170.00	40,480,000.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

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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					
2021	0.6862	6.1421	4.8486	0.0119	1.4456	0.2423	1.6879	0.6631	0.2234	0.8865	0.0000	1,067.998 4	1,067.998 4	0.2100	0.0000	1,073.247 3
2022	1.2245	6.9439	9.2034	0.0320	2.0662	0.1306	2.1968	0.5556	0.1228	0.6784	0.0000	2,932.267 7	2,932.267 7	0.2202	0.0000	2,937.772 9
2023	1.4179	6.0031	9.0366	0.0323	2.1324	0.1209	2.2533	0.5732	0.1134	0.6866	0.0000	2,955.203 8	2,955.203 8	0.1988	0.0000	2,960.174 3
2024	2.8290	7.0651	11.2505	0.0374	2.4593	0.1682	2.6275	0.6602	0.1572	0.8174	0.0000	3,404.750 6	3,404.750 6	0.2762	0.0000	3,411.6543
2025	2.7282	6.6942	10.6151	0.0364	2.4499	0.1482	2.5981	0.6577	0.1384	0.7961	0.0000	3,314.991 8	3,314.991 8	0.2725	0.0000	3,321.804 1
2026	2.6738	6.6206	10.1983	0.0358	2.4499	0.1479	2.5978	0.6577	0.1382	0.7958	0.0000	3,257.767 8	3,257.767 8	0.2720	0.0000	3,264.568 2
2027	2.4169	5.3335	8.1898	0.0284	1.9651	0.1276	2.0928	0.5273	0.1191	0.6464	0.0000	2,580.743 3	2,580.743 3	0.2293	0.0000	2,586.476 6
2028	1.7335	1.3296	2.9274	6.2000e-003	0.3743	0.0633	0.4376	0.0995	0.0588	0.1583	0.0000	551.0658	551.0658	0.0909	0.0000	553.3383
2029	1.7310	1.3289	2.8822	6.1400e-003	0.3757	0.0634	0.4391	0.0999	0.0589	0.1588	0.0000	545.6848	545.6848	0.0908	0.0000	547.9546
2030	1.6199	0.9319	2.5854	5.9000e-003	0.3442	0.0404	0.3846	0.0915	0.0403	0.1318	0.0000	518.5065	518.5065	0.0173	0.0000	518.9399
Maximum	2.8290	7.0651	11.2505	0.0374	2.4593	0.2423	2.6275	0.6631	0.2234	0.8865	0.0000	3,404.750 6	3,404.750 6	0.2762	0.0000	3,411.654 3

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
5	1-1-2021	3-31-2021	1.4444	0.0876
6	4-1-2021	6-30-2021	1.6490	0.1368
7	7-1-2021	9-30-2021	1.6672	0.1383
8	10-1-2021	12-31-2021	2.0787	1.2301
9	1-1-2022	3-31-2022	2.0442	1.5698
10	4-1-2022	6-30-2022	2.0508	1.5711
11	7-1-2022	9-30-2022	2.0733	1.5884
12	10-1-2022	12-31-2022	2.0897	1.6047
13	1-1-2023	3-31-2023	1.7084	1.2778
14	4-1-2023	6-30-2023	1.7174	1.2820
15	7-1-2023	9-30-2023	1.7362	1.2961
16	10-1-2023	12-31-2023	2.3670	1.6661
17	1-1-2024	3-31-2024	2.4798	1.7450
18	4-1-2024	6-30-2024	2.4702	1.7354
19	7-1-2024	9-30-2024	2.4974	1.7544
20	10-1-2024	12-31-2024	2.5071	1.7641
21	1-1-2025	3-31-2025	2.3435	1.6867
22	4-1-2025	6-30-2025	2.3611	1.6971
23	7-1-2025	9-30-2025	2.3871	1.7157
24	10-1-2025	12-31-2025	2.3955	1.7242
25	1-1-2026	3-31-2026	2.3101	1.6534
26	4-1-2026	6-30-2026	2.3283	1.6642
27	7-1-2026	9-30-2026	2.3539	1.6825
28	10-1-2026	12-31-2026	2.3615	1.6901
29	1-1-2027	3-31-2027	2.2782	1.6214
30	4-1-2027	6-30-2027	2.2968	1.6327

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31	7-1-2027	9-30-2027	2.3221	1.6507
32	10-1-2027	12-31-2027	0.8996	0.5705
33	1-1-2028	3-31-2028	0.7693	0.4716
34	4-1-2028	6-30-2028	0.7688	0.4711
35	7-1-2028	9-30-2028	0.7773	0.4763
36	10-1-2028	12-31-2028	0.7777	0.4768
37	1-1-2029	3-31-2029	0.7568	0.4624
38	4-1-2029	6-30-2029	0.7648	0.4672
39	7-1-2029	9-30-2029	0.7732	0.4723
40	10-1-2029	12-31-2029	0.7736	0.4727
41	1-1-2030	3-31-2030	0.7105	0.4585
42	4-1-2030	6-30-2030	0.7180	0.4633
43	7-1-2030	9-30-2030	0.7259	0.4684
		Highest	2.5071	1.7641

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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	8.5123	0.1031	8.9578	4.8000e-004		0.0497	0.0497		0.0497	0.0497	0.0000	14.6938	14.6938	0.0142	0.0000	15.0495
Energy	0.2334	2.0790	1.4673	0.0127		0.1613	0.1613		0.1613	0.1613	0.0000	6,490.0819	6,490.0819	0.3282	0.1011	6,528.4099
Mobile	1.5945	22.0533	14.9316	0.1077	6.6889	0.0520	6.7409	1.7995	0.0487	1.8482	0.0000	10,077.3350	10,077.3350	0.9408	0.0000	10,100.8558
Waste						0.0000	0.0000		0.0000	0.0000	788.7295	0.0000	788.7295	46.6126	0.0000	1,954.0440
Water						0.0000	0.0000		0.0000	0.0000	8.0963	54.1867	62.2830	0.8353	0.0204	89.2425
Total	10.3401	24.2354	25.3567	0.1209	6.6889	0.2629	6.9518	1.7995	0.2597	2.0591	796.8258	16,636.2974	17,433.1232	48.7311	0.1215	18,687.6016

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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	7.4994	0.0819	6.7936	3.1000e-004		0.0370	0.0370		0.0370	0.0370	0.0000	10.2596	10.2596	7.4100e-003	0.0000	10.4450
Energy	0.2334	2.0790	1.4673	0.0127		0.1613	0.1613		0.1613	0.1613	0.0000	2,310.0082	2,310.0082	0.0443	0.0424	2,323.7355
Mobile	1.5945	22.0533	14.9316	0.1077	6.6889	0.0520	6.7409	1.7995	0.0487	1.8482	0.0000	10,077.3350	10,077.3350	0.9408	0.0000	10,100.8558
Waste						0.0000	0.0000		0.0000	0.0000	197.1824	0.0000	197.1824	11.6531	0.0000	488.5110
Water						0.0000	0.0000		0.0000	0.0000	6.4771	48.8376	55.3147	0.6686	0.0164	76.9145
Total	9.3273	24.2141	23.1924	0.1208	6.6889	0.2502	6.9392	1.7995	0.2470	2.0464	203.6594	12,446.4405	12,650.0999	13.3142	0.0587	13,000.4617

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	9.80	0.09	8.54	0.14	0.00	4.83	0.18	0.00	4.89	0.62	74.44	25.19	27.44	72.68	51.65	30.43

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2021	3/25/2021	5	60	
2	Grading	Grading	3/26/2021	10/28/2021	5	155	
3	Building Construction	Building Construction	10/29/2021	10/7/2027	5	1550	
4	Paving	Paving	10/27/2023	11/1/2030	5	1831	
5	Architectural Coating	Architectural Coating	10/27/2023	12/2/2030	5	1852	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 103.1

Acres of Paving: 15.12

Residential Indoor: 711,788; Residential Outdoor: 237,263; Non-Residential Indoor: 1,548,000; Non-Residential Outdoor: 516,000; Striped Parking Area: 7,500 (Architectural Coating – sqft)

OffRoad Equipment

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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
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	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	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,729.00	318.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	346.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 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					0.5420	0.0000	0.5420	0.2979	0.0000	0.2979	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1167	1.2149	0.6346	1.1400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	100.3072	100.3072	0.0324	0.0000	101.1182
Total	0.1167	1.2149	0.6346	1.1400e-003	0.5420	0.0613	0.6033	0.2979	0.0564	0.3544	0.0000	100.3072	100.3072	0.0324	0.0000	101.1182

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3.2 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	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	2.2600e-003	1.5500e-003	0.0164	4.0000e-005	4.3100e-003	3.0000e-005	4.3400e-003	1.1400e-003	3.0000e-005	1.1800e-003	0.0000	3.8043	3.8043	1.2000e-004	0.0000	3.8072
Total	2.2600e-003	1.5500e-003	0.0164	4.0000e-005	4.3100e-003	3.0000e-005	4.3400e-003	1.1400e-003	3.0000e-005	1.1800e-003	0.0000	3.8043	3.8043	1.2000e-004	0.0000	3.8072

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					
Fugitive Dust					0.2439	0.0000	0.2439	0.1341	0.0000	0.1341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0140	0.0605	0.6261	1.1400e-003		1.8600e-003	1.8600e-003		1.8600e-003	1.8600e-003	0.0000	100.3070	100.3070	0.0324	0.0000	101.1181
Total	0.0140	0.0605	0.6261	1.1400e-003	0.2439	1.8600e-003	0.2458	0.1341	1.8600e-003	0.1359	0.0000	100.3070	100.3070	0.0324	0.0000	101.1181

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3.2 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	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	2.2600e-003	1.5500e-003	0.0164	4.0000e-005	4.3100e-003	3.0000e-005	4.3400e-003	1.1400e-003	3.0000e-005	1.1800e-003	0.0000	3.8043	3.8043	1.2000e-004	0.0000	3.8072
Total	2.2600e-003	1.5500e-003	0.0164	4.0000e-005	4.3100e-003	3.0000e-005	4.3400e-003	1.1400e-003	3.0000e-005	1.1800e-003	0.0000	3.8043	3.8043	1.2000e-004	0.0000	3.8072

3.3 Grading - 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					0.5214	0.0000	0.5214	0.2625	0.0000	0.2625	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3248	3.5960	2.3931	4.8100e-003		0.1539	0.1539		0.1416	0.1416	0.0000	422.3361	422.3361	0.1366	0.0000	425.7509
Total	0.3248	3.5960	2.3931	4.8100e-003	0.5214	0.1539	0.6752	0.2625	0.1416	0.4040	0.0000	422.3361	422.3361	0.1366	0.0000	425.7509

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3.3 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	6.4900e-003	4.4500e-003	0.0471	1.2000e-004	0.0124	9.0000e-005	0.0125	3.2900e-003	9.0000e-005	3.3700e-003	0.0000	10.9196	10.9196	3.3000e-004	0.0000	10.9280
Total	6.4900e-003	4.4500e-003	0.0471	1.2000e-004	0.0124	9.0000e-005	0.0125	3.2900e-003	9.0000e-005	3.3700e-003	0.0000	10.9196	10.9196	3.3000e-004	0.0000	10.9280

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					0.2346	0.0000	0.2346	0.1181	0.0000	0.1181	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0590	0.2558	2.5574	4.8100e-003		7.8700e-003	7.8700e-003		7.8700e-003	7.8700e-003	0.0000	422.3356	422.3356	0.1366	0.0000	425.7504
Total	0.0590	0.2558	2.5574	4.8100e-003	0.2346	7.8700e-003	0.2425	0.1181	7.8700e-003	0.1260	0.0000	422.3356	422.3356	0.1366	0.0000	425.7504

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3.3 Grading - 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	0.0000	0.0000	0.0000	0.0000	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	6.4900e-003	4.4500e-003	0.0471	1.2000e-004	0.0124	9.0000e-005	0.0125	3.2900e-003	9.0000e-005	3.3700e-003	0.0000	10.9196	10.9196	3.3000e-004	0.0000	10.9280
Total	6.4900e-003	4.4500e-003	0.0471	1.2000e-004	0.0124	9.0000e-005	0.0125	3.2900e-003	9.0000e-005	3.3700e-003	0.0000	10.9196	10.9196	3.3000e-004	0.0000	10.9280

3.4 Building Construction - 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	0.0437	0.4009	0.3812	6.2000e-004		0.0221	0.0221		0.0207	0.0207	0.0000	53.2766	53.2766	0.0129	0.0000	53.5979
Total	0.0437	0.4009	0.3812	6.2000e-004		0.0221	0.0221		0.0207	0.0207	0.0000	53.2766	53.2766	0.0129	0.0000	53.5979

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3.4 Building Construction - 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	0.0257	0.8102	0.1691	2.0800e-003	0.0484	2.4900e-003	0.0509	0.0140	2.3900e-003	0.0164	0.0000	197.1991	197.1991	0.0191	0.0000	197.6753
Worker	0.1665	0.1141	1.2071	3.1000e-003	0.3172	2.4100e-003	0.3196	0.0843	2.2200e-003	0.0865	0.0000	280.1556	280.1556	8.5700e-003	0.0000	280.3698
Total	0.1922	0.9243	1.3762	5.1800e-003	0.3656	4.9000e-003	0.3705	0.0983	4.6100e-003	0.1029	0.0000	477.3547	477.3547	0.0276	0.0000	478.0451

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	7.5400e-003	0.0514	0.4016	6.2000e-004		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	53.2765	53.2765	0.0129	0.0000	53.5978
Total	7.5400e-003	0.0514	0.4016	6.2000e-004		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	53.2765	53.2765	0.0129	0.0000	53.5978

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3.4 Building Construction - 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	0.0257	0.8102	0.1691	2.0800e-003	0.0484	2.4900e-003	0.0509	0.0140	2.3900e-003	0.0164	0.0000	197.1991	197.1991	0.0191	0.0000	197.6753
Worker	0.1665	0.1141	1.2071	3.1000e-003	0.3172	2.4100e-003	0.3196	0.0843	2.2200e-003	0.0865	0.0000	280.1556	280.1556	8.5700e-003	0.0000	280.3698
Total	0.1922	0.9243	1.3762	5.1800e-003	0.3656	4.9000e-003	0.3705	0.0983	4.6100e-003	0.1029	0.0000	477.3547	477.3547	0.0276	0.0000	478.0451

3.4 Building Construction - 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					
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471

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3.4 Building Construction - 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	0.1338	4.3385	0.8641	0.0116	0.2736	0.0122	0.2859	0.0791	0.0117	0.0908	0.0000	1,104.2445	1,104.2445	0.1048	0.0000	1,106.8641
Worker	0.8689	0.5754	6.2120	0.0169	1.7926	0.0132	1.8057	0.4765	0.0121	0.4887	0.0000	1,526.7804	1,526.7804	0.0433	0.0000	1,527.8617
Total	1.0027	4.9138	7.0761	0.0285	2.0662	0.0254	2.0916	0.5556	0.0238	0.5795	0.0000	2,631.0249	2,631.0249	0.1480	0.0000	2,634.7258

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	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

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3.4 Building Construction - 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	0.1338	4.3385	0.8641	0.0116	0.2736	0.0122	0.2859	0.0791	0.0117	0.0908	0.0000	1,104.2445	1,104.2445	0.1048	0.0000	1,106.8641
Worker	0.8689	0.5754	6.2120	0.0169	1.7926	0.0132	1.8057	0.4765	0.0121	0.4887	0.0000	1,526.7804	1,526.7804	0.0433	0.0000	1,527.8617
Total	1.0027	4.9138	7.0761	0.0285	2.0662	0.0254	2.0916	0.5556	0.0238	0.5795	0.0000	2,631.0249	2,631.0249	0.1480	0.0000	2,634.7258

3.4 Building Construction - 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					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

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3.4 Building Construction - 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	0.0920	3.3363	0.7028	0.0114	0.2737	3.3200e-003	0.2770	0.0791	3.1700e-003	0.0823	0.0000	1,078.2639	1,078.2639	0.0720	0.0000	1,080.0641
Worker	0.8028	0.5134	5.6368	0.0163	1.7926	0.0127	1.8053	0.4765	0.0117	0.4883	0.0000	1,469.3806	1,469.3806	0.0385	0.0000	1,470.3420
Total	0.8948	3.8497	6.3396	0.0276	2.0662	0.0161	2.0823	0.5556	0.0149	0.5705	0.0000	2,547.6445	2,547.6445	0.1105	0.0000	2,550.4061

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	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.0426	0.2905	2.2698	3.5000e-003		5.3000e-003	5.3000e-003		5.3000e-003	5.3000e-003	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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3.4 Building Construction - 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	0.0920	3.3363	0.7028	0.0114	0.2737	3.3200e-003	0.2770	0.0791	3.1700e-003	0.0823	0.0000	1,078.2639	1,078.2639	0.0720	0.0000	1,080.0641
Worker	0.8028	0.5134	5.6368	0.0163	1.7926	0.0127	1.8053	0.4765	0.0117	0.4883	0.0000	1,469.3806	1,469.3806	0.0385	0.0000	1,470.3420
Total	0.8948	3.8497	6.3396	0.0276	2.0662	0.0161	2.0823	0.5556	0.0149	0.5705	0.0000	2,547.6445	2,547.6445	0.1105	0.0000	2,550.4061

3.4 Building Construction - 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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

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3.4 Building Construction - 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	0.0891	3.3351	0.6562	0.0114	0.2758	3.3000e-003	0.2791	0.0797	3.1500e-003	0.0829	0.0000	1,078.0495	1,078.0495	0.0753	0.0000	1,079.9311
Worker	0.7516	0.4645	5.2312	0.0158	1.8064	0.0126	1.8190	0.4802	0.0116	0.4918	0.0000	1,428.8519	1,428.8519	0.0350	0.0000	1,429.7274
Total	0.8407	3.7996	5.8873	0.0272	2.0821	0.0159	2.0980	0.5599	0.0147	0.5747	0.0000	2,506.9014	2,506.9014	0.1103	0.0000	2,509.6585

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	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0429	0.2928	2.2873	3.5300e-003		5.3400e-003	5.3400e-003		5.3400e-003	5.3400e-003	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

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3.4 Building Construction - 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	0.0891	3.3351	0.6562	0.0114	0.2758	3.3000e-003	0.2791	0.0797	3.1500e-003	0.0829	0.0000	1,078.0495	1,078.0495	0.0753	0.0000	1,079.9311
Worker	0.7516	0.4645	5.2312	0.0158	1.8064	0.0126	1.8190	0.4802	0.0116	0.4918	0.0000	1,428.8519	1,428.8519	0.0350	0.0000	1,429.7274
Total	0.8407	3.7996	5.8873	0.0272	2.0821	0.0159	2.0980	0.5599	0.0147	0.5747	0.0000	2,506.9014	2,506.9014	0.1103	0.0000	2,509.6585

3.4 Building Construction - 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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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3.4 Building Construction - 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	0.0857	3.2946	0.6116	0.0112	0.2747	3.2500e-003	0.2780	0.0794	3.1000e-003	0.0825	0.0000	1,066.1038	1,066.1038	0.0773	0.0000	1,068.0356
Worker	0.6971	0.4161	4.7699	0.0151	1.7995	0.0122	1.8117	0.4784	0.0112	0.4896	0.0000	1,366.3749	1,366.3749	0.0312	0.0000	1,367.1559
Total	0.7827	3.7107	5.3816	0.0263	2.0742	0.0155	2.0896	0.5578	0.0143	0.5721	0.0000	2,432.4786	2,432.4786	0.1085	0.0000	2,435.1915

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	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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3.4 Building Construction - 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	0.0857	3.2946	0.6116	0.0112	0.2747	3.2500e-003	0.2780	0.0794	3.1000e-003	0.0825	0.0000	1,066.1038	1,066.1038	0.0773	0.0000	1,068.0356
Worker	0.6971	0.4161	4.7699	0.0151	1.7995	0.0122	1.8117	0.4784	0.0112	0.4896	0.0000	1,366.3749	1,366.3749	0.0312	0.0000	1,367.1559
Total	0.7827	3.7107	5.3816	0.0263	2.0742	0.0155	2.0896	0.5578	0.0143	0.5721	0.0000	2,432.4786	2,432.4786	0.1085	0.0000	2,435.1915

3.4 Building Construction - 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					
Off-Road	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

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3.4 Building Construction - 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	0.0833	3.2665	0.5812	0.0112	0.2747	3.2000e-003	0.2779	0.0794	3.0600e-003	0.0825	0.0000	1,059.1126	1,059.1126	0.0798	0.0000	1,061.1082
Worker	0.6540	0.3784	4.4504	0.0147	1.7995	0.0120	1.8115	0.4784	0.0111	0.4895	0.0000	1,324.8186	1,324.8186	0.0287	0.0000	1,325.5370
Total	0.7373	3.6449	5.0315	0.0258	2.0742	0.0152	2.0894	0.5578	0.0141	0.5719	0.0000	2,383.9312	2,383.9312	0.1086	0.0000	2,386.6451

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	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0428	0.2916	2.2786	3.5200e-003		5.3200e-003	5.3200e-003		5.3200e-003	5.3200e-003	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

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3.4 Building Construction - 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	0.0833	3.2665	0.5812	0.0112	0.2747	3.2000e-003	0.2779	0.0794	3.0600e-003	0.0825	0.0000	1,059.1126	1,059.1126	0.0798	0.0000	1,061.1082
Worker	0.6540	0.3784	4.4504	0.0147	1.7995	0.0120	1.8115	0.4784	0.0111	0.4895	0.0000	1,324.8186	1,324.8186	0.0287	0.0000	1,325.5370
Total	0.7373	3.6449	5.0315	0.0258	2.0742	0.0152	2.0894	0.5578	0.0141	0.5719	0.0000	2,383.9312	2,383.9312	0.1086	0.0000	2,386.6451

3.4 Building Construction - 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	0.1367	1.2470	1.6085	2.7000e-003		0.0528	0.0528		0.0496	0.0496	0.0000	231.9195	231.9195	0.0545	0.0000	233.2824
Total	0.1367	1.2470	1.6085	2.7000e-003		0.0528	0.0528		0.0496	0.0496	0.0000	231.9195	231.9195	0.0545	0.0000	233.2824

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3.4 Building Construction - 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	0.0622	2.4819	0.4252	8.5000e-003	0.2105	2.4200e-003	0.2129	0.0608	2.3100e-003	0.0632	0.0000	806.9968	806.9968	0.0632	0.0000	808.5756
Worker	0.4687	0.2634	3.1573	0.0108	1.3789	8.7400e-003	1.3876	0.3666	8.0400e-003	0.3746	0.0000	980.1829	980.1829	0.0199	0.0000	980.6810
Total	0.5309	2.7453	3.5825	0.0193	1.5894	0.0112	1.6006	0.4274	0.0104	0.4378	0.0000	1,787.1797	1,787.1797	0.0831	0.0000	1,789.2565

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	0.0328	0.2235	1.7460	2.7000e-003		4.0800e-003	4.0800e-003		4.0800e-003	4.0800e-003	0.0000	231.9192	231.9192	0.0545	0.0000	233.2821
Total	0.0328	0.2235	1.7460	2.7000e-003		4.0800e-003	4.0800e-003		4.0800e-003	4.0800e-003	0.0000	231.9192	231.9192	0.0545	0.0000	233.2821

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3.4 Building Construction - 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	0.0622	2.4819	0.4252	8.5000e-003	0.2105	2.4200e-003	0.2129	0.0608	2.3100e-003	0.0632	0.0000	806.9968	806.9968	0.0632	0.0000	808.5756
Worker	0.4687	0.2634	3.1573	0.0108	1.3789	8.7400e-003	1.3876	0.3666	8.0400e-003	0.3746	0.0000	980.1829	980.1829	0.0199	0.0000	980.6810
Total	0.5309	2.7453	3.5825	0.0193	1.5894	0.0112	1.6006	0.4274	0.0104	0.4378	0.0000	1,787.1797	1,787.1797	0.0831	0.0000	1,789.2565

3.5 Paving - 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					
Off-Road	0.0238	0.2344	0.3354	5.2000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	46.0618	46.0618	0.0149	0.0000	46.4342
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0238	0.2344	0.3354	5.2000e-004		0.0117	0.0117		0.0108	0.0108	0.0000	46.0618	46.0618	0.0149	0.0000	46.4342

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3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	1.2300e-003	7.9000e-004	8.6500e-003	2.0000e-005	2.7500e-003	2.0000e-005	2.7700e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.2554	2.2554	6.0000e-005	0.0000	2.2568
Total	1.2300e-003	7.9000e-004	8.6500e-003	2.0000e-005	2.7500e-003	2.0000e-005	2.7700e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.2554	2.2554	6.0000e-005	0.0000	2.2568

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	6.4500e-003	0.0280	0.3978	5.2000e-004		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	46.0617	46.0617	0.0149	0.0000	46.4342
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.4500e-003	0.0280	0.3978	5.2000e-004		8.6000e-004	8.6000e-004		8.6000e-004	8.6000e-004	0.0000	46.0617	46.0617	0.0149	0.0000	46.4342

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3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	1.2300e-003	7.9000e-004	8.6500e-003	2.0000e-005	2.7500e-003	2.0000e-005	2.7700e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.2554	2.2554	6.0000e-005	0.0000	2.2568
Total	1.2300e-003	7.9000e-004	8.6500e-003	2.0000e-005	2.7500e-003	2.0000e-005	2.7700e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.2554	2.2554	6.0000e-005	0.0000	2.2568

3.5 Paving - 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	0.1295	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3476	262.3476	0.0849	0.0000	264.4688
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1295	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3476	262.3476	0.0849	0.0000	264.4688

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3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	6.5200e-003	4.0300e-003	0.0454	1.4000e-004	0.0157	1.1000e-004	0.0158	4.1700e-003	1.0000e-004	4.2700e-003	0.0000	12.3961	12.3961	3.0000e-004	0.0000	12.4037
Total	6.5200e-003	4.0300e-003	0.0454	1.4000e-004	0.0157	1.1000e-004	0.0158	4.1700e-003	1.0000e-004	4.2700e-003	0.0000	12.3961	12.3961	3.0000e-004	0.0000	12.4037

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	0.0367	0.1592	2.2657	2.9900e-003		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003	0.0000	262.3473	262.3473	0.0849	0.0000	264.4685
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0367	0.1592	2.2657	2.9900e-003		4.9000e-003	4.9000e-003		4.9000e-003	4.9000e-003	0.0000	262.3473	262.3473	0.0849	0.0000	264.4685

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3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	6.5200e-003	4.0300e-003	0.0454	1.4000e-004	0.0157	1.1000e-004	0.0158	4.1700e-003	1.0000e-004	4.2700e-003	0.0000	12.3961	12.3961	3.0000e-004	0.0000	12.4037
Total	6.5200e-003	4.0300e-003	0.0454	1.4000e-004	0.0157	1.1000e-004	0.0158	4.1700e-003	1.0000e-004	4.2700e-003	0.0000	12.3961	12.3961	3.0000e-004	0.0000	12.4037

3.5 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	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636

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3.5 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	6.0500e-003	3.6100e-003	0.0414	1.3000e-004	0.0156	1.1000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	11.8540	11.8540	2.7000e-004	0.0000	11.8608
Total	6.0500e-003	3.6100e-003	0.0414	1.3000e-004	0.0156	1.1000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	11.8540	11.8540	2.7000e-004	0.0000	11.8608

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	0.0366	0.1586	2.2571	2.9800e-003		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0366	0.1586	2.2571	2.9800e-003		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633

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3.5 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	6.0500e-003	3.6100e-003	0.0414	1.3000e-004	0.0156	1.1000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	11.8540	11.8540	2.7000e-004	0.0000	11.8608
Total	6.0500e-003	3.6100e-003	0.0414	1.3000e-004	0.0156	1.1000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	11.8540	11.8540	2.7000e-004	0.0000	11.8608

3.5 Paving - 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					
Off-Road	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636

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3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	5.6700e-003	3.2800e-003	0.0386	1.3000e-004	0.0156	1.0000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	11.4935	11.4935	2.5000e-004	0.0000	11.4997
Total	5.6700e-003	3.2800e-003	0.0386	1.3000e-004	0.0156	1.0000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	11.4935	11.4935	2.5000e-004	0.0000	11.4997

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	0.0366	0.1586	2.2571	2.9800e-003		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0366	0.1586	2.2571	2.9800e-003		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633

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3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	5.6700e-003	3.2800e-003	0.0386	1.3000e-004	0.0156	1.0000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	11.4935	11.4935	2.5000e-004	0.0000	11.4997
Total	5.6700e-003	3.2800e-003	0.0386	1.3000e-004	0.0156	1.0000e-004	0.0157	4.1500e-003	1.0000e-004	4.2500e-003	0.0000	11.4935	11.4935	2.5000e-004	0.0000	11.4997

3.5 Paving - 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	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636

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3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	5.3100e-003	2.9800e-003	0.0358	1.2000e-004	0.0156	1.0000e-004	0.0157	4.1500e-003	9.0000e-005	4.2400e-003	0.0000	11.0972	11.0972	2.3000e-004	0.0000	11.1029
Total	5.3100e-003	2.9800e-003	0.0358	1.2000e-004	0.0156	1.0000e-004	0.0157	4.1500e-003	9.0000e-005	4.2400e-003	0.0000	11.0972	11.0972	2.3000e-004	0.0000	11.1029

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	0.0366	0.1586	2.2571	2.9800e-003		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0366	0.1586	2.2571	2.9800e-003		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633

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3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	5.3100e-003	2.9800e-003	0.0358	1.2000e-004	0.0156	1.0000e-004	0.0157	4.1500e-003	9.0000e-005	4.2400e-003	0.0000	11.0972	11.0972	2.3000e-004	0.0000	11.1029
Total	5.3100e-003	2.9800e-003	0.0358	1.2000e-004	0.0156	1.0000e-004	0.0157	4.1500e-003	9.0000e-005	4.2400e-003	0.0000	11.0972	11.0972	2.3000e-004	0.0000	11.1029

3.5 Paving - 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	0.1190	1.1156	1.8951	2.9600e-003		0.0544	0.0544		0.0501	0.0501	0.0000	260.2503	260.2503	0.0842	0.0000	262.3546
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1190	1.1156	1.8951	2.9600e-003		0.0544	0.0544		0.0501	0.0501	0.0000	260.2503	260.2503	0.0842	0.0000	262.3546

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3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	4.9100e-003	2.7100e-003	0.0331	1.2000e-004	0.0156	9.0000e-005	0.0156	4.1300e-003	8.0000e-005	4.2200e-003	0.0000	10.7046	10.7046	2.0000e-004	0.0000	10.7097
Total	4.9100e-003	2.7100e-003	0.0331	1.2000e-004	0.0156	9.0000e-005	0.0156	4.1300e-003	8.0000e-005	4.2200e-003	0.0000	10.7046	10.7046	2.0000e-004	0.0000	10.7097

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	0.0365	0.1580	2.2484	2.9600e-003		4.8600e-003	4.8600e-003		4.8600e-003	4.8600e-003	0.0000	260.2500	260.2500	0.0842	0.0000	262.3543
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0365	0.1580	2.2484	2.9600e-003		4.8600e-003	4.8600e-003		4.8600e-003	4.8600e-003	0.0000	260.2500	260.2500	0.0842	0.0000	262.3543

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3.5 Paving - 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	0.0000	0.0000	0.0000	0.0000	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	4.9100e-003	2.7100e-003	0.0331	1.2000e-004	0.0156	9.0000e-005	0.0156	4.1300e-003	8.0000e-005	4.2200e-003	0.0000	10.7046	10.7046	2.0000e-004	0.0000	10.7097
Total	4.9100e-003	2.7100e-003	0.0331	1.2000e-004	0.0156	9.0000e-005	0.0156	4.1300e-003	8.0000e-005	4.2200e-003	0.0000	10.7046	10.7046	2.0000e-004	0.0000	10.7097

3.5 Paving - 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	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636

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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	4.5500e-003	2.4700e-003	0.0309	1.2000e-004	0.0156	9.0000e-005	0.0157	4.1500e-003	8.0000e-005	4.2300e-003	0.0000	10.4341	10.4341	1.9000e-004	0.0000	10.4387
Total	4.5500e-003	2.4700e-003	0.0309	1.2000e-004	0.0156	9.0000e-005	0.0157	4.1500e-003	8.0000e-005	4.2300e-003	0.0000	10.4341	10.4341	1.9000e-004	0.0000	10.4387

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	0.0366	0.1586	2.2571	2.9800e-003		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0366	0.1586	2.2571	2.9800e-003		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633

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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	4.5500e-003	2.4700e-003	0.0309	1.2000e-004	0.0156	9.0000e-005	0.0157	4.1500e-003	8.0000e-005	4.2300e-003	0.0000	10.4341	10.4341	1.9000e-004	0.0000	10.4387
Total	4.5500e-003	2.4700e-003	0.0309	1.2000e-004	0.0156	9.0000e-005	0.0157	4.1500e-003	8.0000e-005	4.2300e-003	0.0000	10.4341	10.4341	1.9000e-004	0.0000	10.4387

3.5 Paving - 2030

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	0.1516	0.7797	1.7355	3.0700e-003		0.0362	0.0362		0.0362	0.0362	0.0000	263.8897	263.8897	0.0124	0.0000	264.1990
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1516	0.7797	1.7355	3.0700e-003		0.0362	0.0362		0.0362	0.0362	0.0000	263.8897	263.8897	0.0124	0.0000	264.1990

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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	3.5000e-003	1.8800e-003	0.0241	9.0000e-005	0.0131	7.0000e-005	0.0132	3.4800e-003	6.0000e-005	3.5400e-003	0.0000	8.5232	8.5232	1.4000e-004	0.0000	8.5268
Total	3.5000e-003	1.8800e-003	0.0241	9.0000e-005	0.0131	7.0000e-005	0.0132	3.4800e-003	6.0000e-005	3.5400e-003	0.0000	8.5232	8.5232	1.4000e-004	0.0000	8.5268

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	0.0307	0.1331	1.8939	3.0700e-003		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	263.8894	263.8894	0.0124	0.0000	264.1987
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0307	0.1331	1.8939	3.0700e-003		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003	0.0000	263.8894	263.8894	0.0124	0.0000	264.1987

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3.5 Paving - 2030

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	3.5000e-003	1.8800e-003	0.0241	9.0000e-005	0.0131	7.0000e-005	0.0132	3.4800e-003	6.0000e-005	3.5400e-003	0.0000	8.5232	8.5232	1.4000e-004	0.0000	8.5268
Total	3.5000e-003	1.8800e-003	0.0241	9.0000e-005	0.0131	7.0000e-005	0.0132	3.4800e-003	6.0000e-005	3.5400e-003	0.0000	8.5232	8.5232	1.4000e-004	0.0000	8.5268

3.6 Architectural Coating - 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					
Archit. Coating	0.2608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4100e-003	0.0300	0.0417	7.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.8725	5.8725	3.5000e-004	0.0000	5.8813
Total	0.2652	0.0300	0.0417	7.0000e-005		1.6300e-003	1.6300e-003		1.6300e-003	1.6300e-003	0.0000	5.8725	5.8725	3.5000e-004	0.0000	5.8813

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3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0284	0.0182	0.1996	5.8000e-004	0.0635	4.5000e-004	0.0639	0.0169	4.2000e-004	0.0173	0.0000	52.0235	52.0235	1.3600e-003	0.0000	52.0576
Total	0.0284	0.0182	0.1996	5.8000e-004	0.0635	4.5000e-004	0.0639	0.0169	4.2000e-004	0.0173	0.0000	52.0235	52.0235	1.3600e-003	0.0000	52.0576

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	0.2608					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	2.9600e-003	0.0422	7.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.8725	5.8725	3.5000e-004	0.0000	5.8813
Total	0.2615	2.9600e-003	0.0422	7.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	5.8725	5.8725	3.5000e-004	0.0000	5.8813

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3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.0284	0.0182	0.1996	5.8000e-004	0.0635	4.5000e-004	0.0639	0.0169	4.2000e-004	0.0173	0.0000	52.0235	52.0235	1.3600e-003	0.0000	52.0576
Total	0.0284	0.0182	0.1996	5.8000e-004	0.0635	4.5000e-004	0.0639	0.0169	4.2000e-004	0.0173	0.0000	52.0235	52.0235	1.3600e-003	0.0000	52.0576

3.6 Architectural Coating - 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	1.4855					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	1.5091	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

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3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.1504	0.0930	1.0468	3.1600e-003	0.3615	2.5200e-003	0.3640	0.0961	2.3200e-003	0.0984	0.0000	285.9357	285.9357	7.0100e-003	0.0000	286.1109
Total	0.1504	0.0930	1.0468	3.1600e-003	0.3615	2.5200e-003	0.3640	0.0961	2.3200e-003	0.0984	0.0000	285.9357	285.9357	7.0100e-003	0.0000	286.1109

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	1.4855					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8900e-003	0.0169	0.2401	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	1.4893	0.0169	0.2401	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

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3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.1504	0.0930	1.0468	3.1600e-003	0.3615	2.5200e-003	0.3640	0.0961	2.3200e-003	0.0984	0.0000	285.9357	285.9357	7.0100e-003	0.0000	286.1109
Total	0.1504	0.0930	1.0468	3.1600e-003	0.3615	2.5200e-003	0.3640	0.0961	2.3200e-003	0.0984	0.0000	285.9357	285.9357	7.0100e-003	0.0000	286.1109

3.6 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	1.4798					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	1.5021	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

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3.6 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	0.1395	0.0833	0.9545	3.0200e-003	0.3601	2.4400e-003	0.3626	0.0957	2.2500e-003	0.0980	0.0000	273.4330	273.4330	6.2500e-003	0.0000	273.5893
Total	0.1395	0.0833	0.9545	3.0200e-003	0.3601	2.4400e-003	0.3626	0.0957	2.2500e-003	0.0980	0.0000	273.4330	273.4330	6.2500e-003	0.0000	273.5893

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	1.4798					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	1.4837	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

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3.6 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	0.1395	0.0833	0.9545	3.0200e-003	0.3601	2.4400e-003	0.3626	0.0957	2.2500e-003	0.0980	0.0000	273.4330	273.4330	6.2500e-003	0.0000	273.5893
Total	0.1395	0.0833	0.9545	3.0200e-003	0.3601	2.4400e-003	0.3626	0.0957	2.2500e-003	0.0980	0.0000	273.4330	273.4330	6.2500e-003	0.0000	273.5893

3.6 Architectural Coating - 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					
Archit. Coating	1.4798					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	1.5021	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

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3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.1309	0.0757	0.8906	2.9300e-003	0.3601	2.4100e-003	0.3625	0.0957	2.2200e-003	0.0980	0.0000	265.1170	265.1170	5.7500e-003	0.0000	265.2607
Total	0.1309	0.0757	0.8906	2.9300e-003	0.3601	2.4100e-003	0.3625	0.0957	2.2200e-003	0.0980	0.0000	265.1170	265.1170	5.7500e-003	0.0000	265.2607

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	1.4798					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	1.4837	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

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3.6 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	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	0.1309	0.0757	0.8906	2.9300e-003	0.3601	2.4100e-003	0.3625	0.0957	2.2200e-003	0.0980	0.0000	265.1170	265.1170	5.7500e-003	0.0000	265.2607
Total	0.1309	0.0757	0.8906	2.9300e-003	0.3601	2.4100e-003	0.3625	0.0957	2.2200e-003	0.0980	0.0000	265.1170	265.1170	5.7500e-003	0.0000	265.2607

3.6 Architectural 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					
Archit. Coating	1.4798					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	1.5021	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

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3.6 Architectural 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	0.0000	0.0000	0.0000	0.0000	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	0.1224	0.0688	0.8245	2.8300e-003	0.3601	2.2800e-003	0.3624	0.0957	2.1000e-003	0.0978	0.0000	255.9757	255.9757	5.2000e-003	0.0000	256.1058
Total	0.1224	0.0688	0.8245	2.8300e-003	0.3601	2.2800e-003	0.3624	0.0957	2.1000e-003	0.0978	0.0000	255.9757	255.9757	5.2000e-003	0.0000	256.1058

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	1.4798					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	1.4837	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

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3.6 Architectural 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	0.0000	0.0000	0.0000	0.0000	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	0.1224	0.0688	0.8245	2.8300e-003	0.3601	2.2800e-003	0.3624	0.0957	2.1000e-003	0.0978	0.0000	255.9757	255.9757	5.2000e-003	0.0000	256.1058
Total	0.1224	0.0688	0.8245	2.8300e-003	0.3601	2.2800e-003	0.3624	0.0957	2.1000e-003	0.0978	0.0000	255.9757	255.9757	5.2000e-003	0.0000	256.1058

3.6 Architectural 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					
Archit. Coating	1.4741					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2376
Total	1.4963	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2376

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3.6 Architectural 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	0.0000	0.0000	0.0000	0.0000	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	0.1133	0.0624	0.7639	2.7300e-003	0.3587	2.1200e-003	0.3608	0.0954	1.9500e-003	0.0973	0.0000	246.9186	246.9186	4.7200e-003	0.0000	247.0365
Total	0.1133	0.0624	0.7639	2.7300e-003	0.3587	2.1200e-003	0.3608	0.0954	1.9500e-003	0.0973	0.0000	246.9186	246.9186	4.7200e-003	0.0000	247.0365

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	1.4741					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8600e-003	0.0167	0.2382	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2375
Total	1.4780	0.0167	0.2382	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2375

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3.6 Architectural 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	0.0000	0.0000	0.0000	0.0000	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	0.1133	0.0624	0.7639	2.7300e-003	0.3587	2.1200e-003	0.3608	0.0954	1.9500e-003	0.0973	0.0000	246.9186	246.9186	4.7200e-003	0.0000	247.0365
Total	0.1133	0.0624	0.7639	2.7300e-003	0.3587	2.1200e-003	0.3608	0.0954	1.9500e-003	0.0973	0.0000	246.9186	246.9186	4.7200e-003	0.0000	247.0365

3.6 Architectural 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					
Archit. Coating	1.4798					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	1.5021	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

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3.6 Architectural 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	0.0000	0.0000	0.0000	0.0000	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	0.1050	0.0570	0.7128	2.6600e-003	0.3601	1.9800e-003	0.3621	0.0957	1.8200e-003	0.0976	0.0000	240.6794	240.6794	4.3000e-003	0.0000	240.7868
Total	0.1050	0.0570	0.7128	2.6600e-003	0.3601	1.9800e-003	0.3621	0.0957	1.8200e-003	0.0976	0.0000	240.6794	240.6794	4.3000e-003	0.0000	240.7868

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	1.4798					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8800e-003	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	1.4837	0.0168	0.2391	3.9000e-004		5.2000e-004	5.2000e-004		5.2000e-004	5.2000e-004	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

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3.6 Architectural 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	0.0000	0.0000	0.0000	0.0000	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	0.1050	0.0570	0.7128	2.6600e-003	0.3601	1.9800e-003	0.3621	0.0957	1.8200e-003	0.0976	0.0000	240.6794	240.6794	4.3000e-003	0.0000	240.7868
Total	0.1050	0.0570	0.7128	2.6600e-003	0.3601	1.9800e-003	0.3621	0.0957	1.8200e-003	0.0976	0.0000	240.6794	240.6794	4.3000e-003	0.0000	240.7868

3.6 Architectural Coating - 2030

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	1.3607					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0157	0.1028	0.2157	3.6000e-004		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003	0.0000	30.6390	30.6390	1.2400e-003	0.0000	30.6701
Total	1.3764	0.1028	0.2157	3.6000e-004		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003	0.0000	30.6390	30.6390	1.2400e-003	0.0000	30.6701

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3.6 Architectural Coating - 2030

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	0.0884	0.0476	0.6101	2.3800e-003	0.3311	1.6900e-003	0.3328	0.0880	1.5600e-003	0.0896	0.0000	215.4545	215.4545	3.5800e-003	0.0000	215.5441
Total	0.0884	0.0476	0.6101	2.3800e-003	0.3311	1.6900e-003	0.3328	0.0880	1.5600e-003	0.0896	0.0000	215.4545	215.4545	3.5800e-003	0.0000	215.5441

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	1.3607					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5700e-003	0.0155	0.2199	3.6000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	30.6390	30.6390	1.2400e-003	0.0000	30.6700
Total	1.3643	0.0155	0.2199	3.6000e-004		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	30.6390	30.6390	1.2400e-003	0.0000	30.6700

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3.6 Architectural Coating - 2030

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	0.0884	0.0476	0.6101	2.3800e-003	0.3311	1.6900e-003	0.3328	0.0880	1.5600e-003	0.0896	0.0000	215.4545	215.4545	3.5800e-003	0.0000	215.5441
Total	0.0884	0.0476	0.6101	2.3800e-003	0.3311	1.6900e-003	0.3328	0.0880	1.5600e-003	0.0896	0.0000	215.4545	215.4545	3.5800e-003	0.0000	215.5441

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.5945	22.0533	14.9316	0.1077	6.6889	0.0520	6.7409	1.7995	0.0487	1.8482	0.0000	10,077.3350	10,077.3350	0.9408	0.0000	10,100.8558
Unmitigated	1.5945	22.0533	14.9316	0.1077	6.6889	0.0520	6.7409	1.7995	0.0487	1.8482	0.0000	10,077.3350	10,077.3350	0.9408	0.0000	10,100.8558

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
General Heavy Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Health Club	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
University/College (4Yr)	8,427.00	6,413.00	0.00	17,516,332	17,516,332
Total	8,427.00	6,413.00	0.00	17,516,332	17,516,332

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	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	10.80	7.30	7.50	46.90	17.40	35.70	86	11	3
General Heavy Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Government Office Building	9.50	7.30	7.30	33.00	62.00	5.00	50	34	16
Health Club	9.50	7.30	7.30	16.90	64.10	19.00	52	39	9
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
University/College (4Yr)	9.50	7.30	7.30	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.534827	0.027180	0.159779	0.085696	0.010184	0.003355	0.014433	0.153313	0.002347	0.001594	0.005527	0.001331	0.000436
General Heavy Industry	0.534827	0.027180	0.159779	0.085696	0.010184	0.003355	0.014433	0.153313	0.002347	0.001594	0.005527	0.001331	0.000436
Government Office Building	0.534827	0.027180	0.159779	0.085696	0.010184	0.003355	0.014433	0.153313	0.002347	0.001594	0.005527	0.001331	0.000436
Health Club	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Unenclosed Parking with Elevator	0.534827	0.027180	0.159779	0.085696	0.010184	0.003355	0.014433	0.153313	0.002347	0.001594	0.005527	0.001331	0.000436
University/College (4Yr)	0.534827	0.027180	0.159779	0.085696	0.010184	0.003355	0.014433	0.153313	0.002347	0.001594	0.005527	0.001331	0.000436

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	4,180.0737	4,180.0737	0.2839	0.0587	4,204.6744
NaturalGas Mitigated	0.2334	2.0790	1.4673	0.0127			0.1613	0.1613		0.1613	0.1613	2,310.0082	2,310.0082	0.0443	0.0424	2,323.7355
NaturalGas Unmitigated	0.2334	2.0790	1.4673	0.0127			0.1613	0.1613		0.1613	0.1613	2,310.0082	2,310.0082	0.0443	0.0424	2,323.7355

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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	1.46134e+007	0.0788	0.6734	0.2865	4.3000e-003		0.0544	0.0544		0.0544	0.0544	0.0000	779.8284	779.8284	0.0150	0.0143	784.4625
General Heavy Industry	2.087e+006	0.0113	0.1023	0.0859	6.1000e-004		7.7800e-003	7.7800e-003		7.7800e-003	7.7800e-003	0.0000	111.3703	111.3703	2.1300e-003	2.0400e-003	112.0321
Government Office Building	4.98967e+006	0.0269	0.2446	0.2055	1.4700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	266.2677	266.2677	5.1000e-003	4.8800e-003	267.8500
Health Club	6.90797e+006	0.0373	0.3386	0.2845	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	368.6356	368.6356	7.0700e-003	6.7600e-003	370.8262
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
University/College (4Yr)	1.46899e+007	0.0792	0.7201	0.6049	4.3200e-003		0.0547	0.0547		0.0547	0.0547	0.0000	783.9063	783.9063	0.0150	0.0144	788.5647
Total		0.2334	2.0790	1.4673	0.0127		0.1613	0.1613		0.1613	0.1613	0.0000	2,310.0082	2,310.0082	0.0443	0.0424	2,323.7355

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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	1.46134e+007	0.0788	0.6734	0.2865	4.3000e-003		0.0544	0.0544		0.0544	0.0544	0.0000	779.8284	779.8284	0.0150	0.0143	784.4625
General Heavy Industry	2.087e+006	0.0113	0.1023	0.0859	6.1000e-004		7.7800e-003	7.7800e-003		7.7800e-003	7.7800e-003	0.0000	111.3703	111.3703	2.1300e-003	2.0400e-003	112.0321
Government Office Building	4.98967e+006	0.0269	0.2446	0.2055	1.4700e-003		0.0186	0.0186		0.0186	0.0186	0.0000	266.2677	266.2677	5.1000e-003	4.8800e-003	267.8500
Health Club	6.90797e+006	0.0373	0.3386	0.2845	2.0300e-003		0.0257	0.0257		0.0257	0.0257	0.0000	368.6356	368.6356	7.0700e-003	6.7600e-003	370.8262
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
University/College (4Yr)	1.46899e+007	0.0792	0.7201	0.6049	4.3200e-003		0.0547	0.0547		0.0547	0.0547	0.0000	783.9063	783.9063	0.0150	0.0144	788.5647
Total		0.2334	2.0790	1.4673	0.0127		0.1613	0.1613		0.1613	0.1613	0.0000	2,310.0082	2,310.0082	0.0443	0.0424	2,323.7355

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	5.3955e+006	1,045.0217	0.0710	0.0147	1,051.1719
General Heavy Industry	882000	170.8292	0.0116	2.4000e-003	171.8346
Government Office Building	3.48703e+006	675.3821	0.0459	9.4900e-003	679.3569
Health Club	2.91942e+006	565.4448	0.0384	7.9500e-003	568.7726
Unenclosed Parking with Elevator	1.30368e+006	252.5019	0.0172	3.5500e-003	253.9879
University/College (4Yr)	7.5943e+006	1,470.8940	0.0999	0.0207	1,479.5505
Total		4,180.0737	0.2839	0.0587	4,204.6744

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5.3 Energy by Land Use - Electricity**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 Heavy Industry	0	0.0000	0.0000	0.0000	0.0000
Government Office Building	0	0.0000	0.0000	0.0000	0.0000
Health Club	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	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**

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- 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
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.4994	0.0819	6.7936	3.1000e-004		0.0370	0.0370		0.0370	0.0370	0.0000	10.2596	10.2596	7.4100e-003	0.0000	10.4450
Unmitigated	8.5123	0.1031	8.9578	4.8000e-004		0.0497	0.0497		0.0497	0.0497	0.0000	14.6938	14.6938	0.0142	0.0000	15.0495

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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	1.0500					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.1899					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	0.2723	0.1031	8.9578	4.8000e-004		0.0497	0.0497		0.0497	0.0497	0.0000	14.6938	14.6938	0.0142	0.0000	15.0495
Total	8.5123	0.1031	8.9578	4.8000e-004		0.0497	0.0497		0.0497	0.0497	0.0000	14.6938	14.6938	0.0142	0.0000	15.0495

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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	0.7000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	6.6556					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	0.1438	0.0819	6.7936	3.1000e-004		0.0370	0.0370		0.0370	0.0370	0.0000	10.2596	10.2596	7.4100e-003	0.0000	10.4450
Total	7.4994	0.0819	6.7936	3.1000e-004		0.0370	0.0370		0.0370	0.0370	0.0000	10.2596	10.2596	7.4100e-003	0.0000	10.4450

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	55.3147	0.6686	0.0164	76.9145
Unmitigated	62.2830	0.8353	0.0204	89.2425

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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 Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Government Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	25.52 / 40.48	62.2830	0.8353	0.0204	89.2425
Total		62.2830	0.8353	0.0204	89.2425

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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 Heavy Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Government Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Health Club	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	20.416 / 40.48	55.3147	0.6686	0.0164	76.9145
Total		55.3147	0.6686	0.0164	76.9145

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	197.1824	11.6531	0.0000	488.5110
Unmitigated	788.7295	46.6126	0.0000	1,954.044 0

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	552	112.0510	6.6220	0.0000	277.6016
General Heavy Industry	124	25.1709	1.4876	0.0000	62.3598
Government Office Building	355.59	72.1816	4.2658	0.0000	178.8268
Health Club	1886.7	382.9831	22.6337	0.0000	948.8243
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	967.25	196.3430	11.6035	0.0000	486.4315
Total		788.7295	46.6126	0.0000	1,954.0440

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	138	28.0128	1.6555	0.0000	69.4004
General Heavy Industry	31	6.2927	0.3719	0.0000	15.5900
Government Office Building	88.8975	18.0454	1.0665	0.0000	44.7067
Health Club	471.675	95.7458	5.6584	0.0000	237.2061
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	241.813	49.0858	2.9009	0.0000	121.6079
Total		197.1824	11.6531	0.0000	488.5110

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
