

Appendix C-1

CalEMMod Outputs

CalEEMod Version: CalEEMod.2016.3.2

Date: 12/8/2020 12:06 PM

Pacific Coast Commons Specific Plan Project South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	763.00	Space	0.00	305,200.00	0
Other Asphalt Surfaces	12.65	1000sqft	0.00	12,650.00	0
High Turnover (Sit Down Restaurant)	3.70	1000sqft	0.00	3,700.00	0
Apartments Mid Rise	263.00	Dwelling Unit	0.00	314,659.00	752
Regional Shopping Center	7.30	1000sqft	5.35	7,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	561.77	CH4 Intensity (lb/MW hr)	0.02	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PCC SP. SCAQMD. Adjusted to meet 36.5% RPS (SCE 2018 Sustainability Report).

Land Use - Updated land use assumptions per applicant.

Construction Phase - Updated construction schedule per applicant.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Updated per applicant.

Demolition - Phase 1: 41,660 SF of building demo, Phases 2 and 3: 1,938.785 tons of pavement demo.

Grading - 17,000 CY of soil export during Phase 2.

Architectural Coating - Use of low-VOC (50 g/L). Updated SF per phase.

Vehicle Trips - Adjusted trip gen rates per TIA (Fehr and Peers 2020).

Woodstoves - Assume no wood burning devices.

Area Coating - Use of low-VOC arch coating (50 g/L).

Energy Use - Assume compliance with 2019 Title 24 Standards.

Water And Wastewater - Assume 100% aerobic.

Construction Off-road Equipment Mitigation - Water three times daily and replace ground cover.

Mobile Land Use Mitigation - Increase transit accessibility (0.2 miles) and improve pedestrian network.

Water Mitigation - Reduce water consumption by 20% per CalGreen.

Waste Mitigation - Assume 50% waste disposed per AB 939.

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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	5,500.00	1,400.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	5,500.00	4,100.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	16,500.00	4,200.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	16,500.00	12,300.00
tblArchitecturalCoating	ConstArea_Parking	19,071.00	180.00
tblArchitecturalCoating	ConstArea_Parking	19,071.00	1,779.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	212,395.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	212,395.00	212,213.00
tblArchitecturalCoating	ConstArea_Residential_Interior	637,184.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	637,184.00	636,338.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_Parking	19071	1959
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	230.00	262.00
tblConstructionPhase	NumDays	230.00	195.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	10.00	22.00
tblEnergyUse	T24E	179.76	176.16

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tblEnergyUse	T24E	3.92	3.50
tblEnergyUse	T24E	8.71	7.78
tblEnergyUse	T24E	2.93	2.62
tblEnergyUse	T24NG	5,911.46	5,615.89
tblEnergyUse	T24NG	78.56	77.77
tblEnergyUse	T24NG	0.95	0.94
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	223.55	237.00
tblFireplaces	NumberNoFireplace	26.30	26.00
tblFireplaces	NumberWood	13.15	0.00
tblGrading	AcresOfGrading	21.50	0.74
tblGrading	AcresOfGrading	21.00	3.14
tblGrading	MaterialExported	0.00	17,000.00
tblGrading	MaterialMoistureContentBulldozing	7.90	17.00
tblGrading	MaterialMoistureContentBulldozing	7.90	17.00
tblGrading	MaterialMoistureContentBulldozing	7.90	17.00
tblGrading	MaterialSiltContent	6.90	3.30
tblGrading	MaterialSiltContent	6.90	3.30
tblGrading	MaterialSiltContent	6.90	3.30
tblGrading	MaterialSiltContent	6.90	3.30
tblLandUse	LandUseSquareFeet	263,000.00	314,659.00
tblLandUse	LotAcreage	6.87	0.00
tblLandUse	LotAcreage	0.29	0.00
tblLandUse	LotAcreage	0.08	0.00
tblLandUse	LotAcreage	6.92	0.00
tblLandUse	LotAcreage	0.17	5.35
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	702.44	561.77
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	HaulingTripNumber	189.00	200.00

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tblTripsAndVMT	HaulingTripNumber	192.00	200.00
tblTripsAndVMT	HaulingTripNumber	2,125.00	1,720.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	82.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	82.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	80.00
tblTripsAndVMT	WorkerTripNumber	327.00	300.00
tblTripsAndVMT	WorkerTripNumber	15.00	80.00
tblTripsAndVMT	WorkerTripNumber	65.00	240.00
tblTripsAndVMT	WorkerTripNumber	18.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	80.00
tblTripsAndVMT	WorkerTripNumber	327.00	120.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	65.00	80.00
tblTripsAndVMT	WorkerTripNumber	15.00	100.00
tblTripsAndVMT	WorkerTripNumber	18.00	120.00
tblTripsAndVMT	WorkerTripNumber	15.00	160.00
tblVehicleTrips	HS_TTP	19.20	19.40
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	6.39	4.96
tblVehicleTrips	ST_TR	158.37	298.59
tblVehicleTrips	ST_TR	49.97	42.00

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tblVehicleTrips	SU_TR	5.86	4.55
tblVehicleTrips	SU_TR	131.84	248.57
tblVehicleTrips	SU_TR	25.24	21.21
tblVehicleTrips	WD_TR	6.65	5.16
tblVehicleTrips	WD_TR	127.15	239.73
tblVehicleTrips	WD_TR	42.70	35.89
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1139	1.1353	0.7380	1.6000e-003	0.0808	0.0525	0.1333	0.0335	0.0484	0.0819	0.0000	142.6050	142.6050	0.0334	0.0000	143.4402
2022	0.2918	2.3980	2.6886	5.9700e-003	0.1972	0.1049	0.3021	0.0562	0.0983	0.1545	0.0000	532.1323	532.1323	0.0866	0.0000	534.2970
2023	0.3578	2.8637	3.2049	8.9600e-003	0.4668	0.1074	0.5742	0.1505	0.1002	0.2507	0.0000	811.2500	811.2500	0.1099	0.0000	813.9973
2024	1.2030	1.3401	1.9799	5.3600e-003	0.2854	0.0473	0.3327	0.0765	0.0443	0.1208	0.0000	483.9751	483.9751	0.0547	0.0000	485.3423
Maximum	1.2030	2.8637	3.2049	8.9600e-003	0.4668	0.1074	0.5742	0.1505	0.1002	0.2507	0.0000	811.2500	811.2500	0.1099	0.0000	813.9973

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.1139	1.1353	0.7380	1.6000e-003	0.0487	0.0525	0.1012	0.0174	0.0484	0.0659	0.0000	142.6049	142.6049	0.0334	0.0000	143.4401
2022	0.2918	2.3980	2.6886	5.9700e-003	0.1925	0.1049	0.2974	0.0529	0.0983	0.1512	0.0000	532.1320	532.1320	0.0866	0.0000	534.2966
2023	0.3578	2.8637	3.2049	8.9600e-003	0.4116	0.1074	0.5190	0.1198	0.1002	0.2199	0.0000	811.2496	811.2496	0.1099	0.0000	813.9969
2024	1.2030	1.3401	1.9799	5.3600e-003	0.2854	0.0473	0.3327	0.0765	0.0443	0.1208	0.0000	483.9749	483.9749	0.0547	0.0000	485.3421
Maximum	1.2030	2.8637	3.2049	8.9600e-003	0.4116	0.1074	0.5190	0.1198	0.1002	0.2199	0.0000	811.2496	811.2496	0.1099	0.0000	813.9969

	ROG	NOx	CO	SO2	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	0.00	0.00	0.00	0.00	8.93	0.00	6.85	15.81	0.00	8.23	0.00	0.00	0.00	0.00	0.00	0.00

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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	1.3810	0.0313	2.7197	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4499	4.4499	4.2900e-003	0.0000	4.5572
Energy	0.0210	0.1825	0.0974	1.1500e-003		0.0145	0.0145		0.0145	0.0145	0.0000	951.5079	951.5079	0.0305	0.0104	955.3779
Mobile	0.5356	2.7050	6.4692	0.0267	2.4051	0.0194	2.4245	0.6444	0.0180	0.6624	0.0000	2,478.6409	2,478.6409	0.1112	0.0000	2,481.4205
Waste						0.0000	0.0000		0.0000	0.0000	35.0525	0.0000	35.0525	2.0715	0.0000	86.8410
Water						0.0000	0.0000		0.0000	0.0000	6.6512	94.0989	100.7501	0.0262	0.0153	105.9661
Total	1.9376	2.9188	9.2863	0.0280	2.4051	0.0490	2.4541	0.6444	0.0476	0.6920	41.7037	3,528.6976	3,570.4013	2.2437	0.0257	3,634.1627

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.3810	0.0313	2.7197	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4499	4.4499	4.2900e-003	0.0000	4.5572
Energy	0.0210	0.1825	0.0974	1.1500e-003		0.0145	0.0145		0.0145	0.0145	0.0000	951.5079	951.5079	0.0305	0.0104	955.3779
Mobile	0.4723	2.3508	4.8704	0.0190	1.6499	0.0141	1.6640	0.4420	0.0131	0.4551	0.0000	1,764.8230	1,764.8230	0.0843	0.0000	1,766.9309
Waste						0.0000	0.0000		0.0000	0.0000	17.5262	0.0000	17.5262	1.0358	0.0000	43.4205
Water						0.0000	0.0000		0.0000	0.0000	5.3210	75.2791	80.6001	0.0210	0.0122	84.7729
Total	1.8744	2.5646	7.6875	0.0203	1.6499	0.0437	1.6936	0.4420	0.0427	0.4847	22.8472	2,796.0599	2,818.9071	1.1758	0.0227	2,855.0594

	ROG	NOx	CO	SO2	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	3.26	12.14	17.22	27.54	31.40	10.88	30.99	31.40	10.38	29.95	45.22	20.76	21.05	47.59	11.89	21.44

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - Phase 1	Demolition	10/1/2021	10/31/2021	5	21	
2	Site Preparation - Phase 1	Site Preparation	11/1/2021	11/30/2021	5	22	
3	Grading - Phase 1	Grading	12/1/2021	1/31/2022	5	44	
4	Building Construction - Phase 1	Building Construction	2/1/2022	10/31/2022	5	195	
5	Paving - Phase 1	Paving	11/1/2022	12/31/2022	5	44	
6	Architectural Coating - Phase 1	Architectural Coating	11/1/2022	12/31/2022	5	44	
7	Demolition - Phases 2 and 3	Demolition	1/1/2023	2/28/2023	5	42	
8	Site Preparation - Phases 2 and 3	Site Preparation	3/1/2023	3/30/2023	5	22	
9	Grading - Phases 2 and 3	Grading	4/1/2023	5/30/2023	5	42	
10	Building Construction - Phases 2 and 3	Building Construction	6/1/2023	5/31/2024	5	262	
11	Paving - Phases 2 and 3	Paving	6/1/2024	7/31/2024	5	43	
12	Architectural Coating - Phases 2 and 3	Architectural Coating	6/1/2024	7/31/2024	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,200; Non-Residential Outdoor: 1,400; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - Phase 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - Phase 1	Excavators	3	8.00	158	0.38
Demolition - Phase 1	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation - Phase 1	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phase 1	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase 1	Excavators	1	8.00	158	0.38
Grading - Phase 1	Graders	1	8.00	187	0.41
Grading - Phase 1	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase 1	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction - Phase 1	Cranes	1	7.00	231	0.29
Building Construction - Phase 1	Forklifts	3	8.00	89	0.20
Building Construction - Phase 1	Generator Sets	1	8.00	84	0.74
Building Construction - Phase 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase 1	Welders	1	8.00	46	0.45
Paving - Phase 1	Pavers	2	8.00	130	0.42
Paving - Phase 1	Paving Equipment	2	8.00	132	0.36
Paving - Phase 1	Rollers	2	8.00	80	0.38
Architectural Coating - Phase 1	Air Compressors	1	6.00	78	0.48
Demolition - Phases 2 and 3	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - Phases 2 and 3	Excavators	3	8.00	158	0.38
Demolition - Phases 2 and 3	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation - Phases 2 and 3	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phases 2 and 3	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phases 2 and 3	Excavators	1	8.00	158	0.38
Grading - Phases 2 and 3	Graders	1	8.00	187	0.41
Grading - Phases 2 and 3	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phases 2 and 3	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction - Phases 2 and 3	Cranes	1	7.00	231	0.29

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Building Construction - Phases 2 and 3	Forklifts	3	8.00	89	0.20
Building Construction - Phases 2 and 3	Generator Sets	1	8.00	84	0.74
Building Construction - Phases 2 and 3	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phases 2 and 3	Welders	1	8.00	46	0.45
Paving - Phases 2 and 3	Pavers	2	8.00	130	0.42
Paving - Phases 2 and 3	Paving Equipment	2	8.00	132	0.36
Paving - Phases 2 and 3	Rollers	2	8.00	80	0.38
Architectural Coating - Phases 2 and 3	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - Phase 1	6	80.00	20.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phase 1	7	50.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase 1	6	80.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase 1	9	120.00	30.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase 1	6	40.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase 1	1	80.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - Phases 2 and 3	6	100.00	40.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phases 2 and 3	7	120.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phases 2 and 3	6	160.00	20.00	1,720.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phases 2 and 3	9	300.00	60.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phases 2 and 3	6	80.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phases 2 and 3	1	240.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

3.2 Demolition - Phase 1 - 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					0.0205	0.0000	0.0205	3.1000e-003	0.0000	3.1000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.3301	0.2264	4.1000e-004		0.0163	0.0163		0.0151	0.0151	0.0000	35.7008	35.7008	0.0101	0.0000	35.9520
Total	0.0332	0.3301	0.2264	4.1000e-004	0.0205	0.0163	0.0368	3.1000e-003	0.0151	0.0182	0.0000	35.7008	35.7008	0.0101	0.0000	35.9520

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	7.3000e-004	0.0261	5.5300e-003	8.0000e-005	1.7200e-003	8.0000e-005	1.8000e-003	4.7000e-004	8.0000e-005	5.5000e-004	0.0000	7.4670	7.4670	5.1000e-004	0.0000	7.4798
Vendor	6.0000e-004	0.0203	5.0400e-003	5.0000e-005	1.3200e-003	4.0000e-005	1.3600e-003	3.8000e-004	4.0000e-005	4.2000e-004	0.0000	5.1271	5.1271	3.2000e-004	0.0000	5.1352
Worker	3.5000e-003	2.5900e-003	0.0293	9.0000e-005	9.2200e-003	7.0000e-005	9.2900e-003	2.4500e-003	6.0000e-005	2.5100e-003	0.0000	8.0275	8.0275	2.2000e-004	0.0000	8.0329
Total	4.8300e-003	0.0490	0.0398	2.2000e-004	0.0123	1.9000e-004	0.0125	3.3000e-003	1.8000e-004	3.4800e-003	0.0000	20.6216	20.6216	1.0500e-003	0.0000	20.6479

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					7.6000e-003	0.0000	7.6000e-003	1.1500e-003	0.0000	1.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.3301	0.2264	4.1000e-004		0.0163	0.0163		0.0151	0.0151	0.0000	35.7008	35.7008	0.0101	0.0000	35.9520
Total	0.0332	0.3301	0.2264	4.1000e-004	7.6000e-003	0.0163	0.0239	1.1500e-003	0.0151	0.0163	0.0000	35.7008	35.7008	0.0101	0.0000	35.9520

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	7.3000e-004	0.0261	5.5300e-003	8.0000e-005	1.7200e-003	8.0000e-005	1.8000e-003	4.7000e-004	8.0000e-005	5.5000e-004	0.0000	7.4670	7.4670	5.1000e-004	0.0000	7.4798
Vendor	6.0000e-004	0.0203	5.0400e-003	5.0000e-005	1.3200e-003	4.0000e-005	1.3600e-003	3.8000e-004	4.0000e-005	4.2000e-004	0.0000	5.1271	5.1271	3.2000e-004	0.0000	5.1352
Worker	3.5000e-003	2.5900e-003	0.0293	9.0000e-005	9.2200e-003	7.0000e-005	9.2900e-003	2.4500e-003	6.0000e-005	2.5100e-003	0.0000	8.0275	8.0275	2.2000e-004	0.0000	8.0329
Total	4.8300e-003	0.0490	0.0398	2.2000e-004	0.0123	1.9000e-004	0.0125	3.3000e-003	1.8000e-004	3.4800e-003	0.0000	20.6216	20.6216	1.0500e-003	0.0000	20.6479

3.3 Site Preparation - Phase 1 - 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					0.0225	0.0000	0.0225	0.0167	0.0000	0.0167	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0428	0.4455	0.2327	4.2000e-004		0.0225	0.0225		0.0207	0.0207	0.0000	36.7793	36.7793	0.0119	0.0000	37.0767
Total	0.0428	0.4455	0.2327	4.2000e-004	0.0225	0.0225	0.0450	0.0167	0.0207	0.0373	0.0000	36.7793	36.7793	0.0119	0.0000	37.0767

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0106	2.6400e-003	3.0000e-005	6.9000e-004	2.0000e-005	7.1000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	2.6856	2.6856	1.7000e-004	0.0000	2.6899
Worker	2.2900e-003	1.6900e-003	0.0192	6.0000e-005	6.0300e-003	5.0000e-005	6.0800e-003	1.6000e-003	4.0000e-005	1.6400e-003	0.0000	5.2561	5.2561	1.4000e-004	0.0000	5.2597
Total	2.6000e-003	0.0123	0.0218	9.0000e-005	6.7200e-003	7.0000e-005	6.7900e-003	1.8000e-003	6.0000e-005	1.8600e-003	0.0000	7.9417	7.9417	3.1000e-004	0.0000	7.9495

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					8.3300e-003	0.0000	8.3300e-003	6.1700e-003	0.0000	6.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0428	0.4455	0.2327	4.2000e-004		0.0225	0.0225		0.0207	0.0207	0.0000	36.7792	36.7792	0.0119	0.0000	37.0766
Total	0.0428	0.4455	0.2327	4.2000e-004	8.3300e-003	0.0225	0.0308	6.1700e-003	0.0207	0.0269	0.0000	36.7792	36.7792	0.0119	0.0000	37.0766

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0106	2.6400e-003	3.0000e-005	6.9000e-004	2.0000e-005	7.1000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	2.6856	2.6856	1.7000e-004	0.0000	2.6899
Worker	2.2900e-003	1.6900e-003	0.0192	6.0000e-005	6.0300e-003	5.0000e-005	6.0800e-003	1.6000e-003	4.0000e-005	1.6400e-003	0.0000	5.2561	5.2561	1.4000e-004	0.0000	5.2597
Total	2.6000e-003	0.0123	0.0218	9.0000e-005	6.7200e-003	7.0000e-005	6.7900e-003	1.8000e-003	6.0000e-005	1.8600e-003	0.0000	7.9417	7.9417	3.1000e-004	0.0000	7.9495

3.4 Grading - Phase 1 - 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					8.0500e-003	0.0000	8.0500e-003	5.7100e-003	0.0000	5.7100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0263	0.2845	0.1824	3.4000e-004		0.0133	0.0133		0.0123	0.0123	0.0000	29.9618	29.9618	9.6900e-003	0.0000	30.2040
Total	0.0263	0.2845	0.1824	3.4000e-004	8.0500e-003	0.0133	0.0214	5.7100e-003	0.0123	0.0180	0.0000	29.9618	29.9618	9.6900e-003	0.0000	30.2040

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3000e-004	0.0111	2.7600e-003	3.0000e-005	7.2000e-004	2.0000e-005	7.5000e-004	2.1000e-004	2.0000e-005	2.3000e-004	0.0000	2.8077	2.8077	1.8000e-004	0.0000	2.8121
Worker	3.8300e-003	2.8300e-003	0.0321	1.0000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	7.0000e-005	2.7500e-003	0.0000	8.7921	8.7921	2.4000e-004	0.0000	8.7980
Total	4.1600e-003	0.0140	0.0348	1.3000e-004	0.0108	1.0000e-004	0.0109	2.8900e-003	9.0000e-005	2.9800e-003	0.0000	11.5998	11.5998	4.2000e-004	0.0000	11.6101

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.9800e-003	0.0000	2.9800e-003	2.1200e-003	0.0000	2.1200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0263	0.2845	0.1824	3.4000e-004		0.0133	0.0133		0.0123	0.0123	0.0000	29.9617	29.9617	9.6900e-003	0.0000	30.2040
Total	0.0263	0.2845	0.1824	3.4000e-004	2.9800e-003	0.0133	0.0163	2.1200e-003	0.0123	0.0144	0.0000	29.9617	29.9617	9.6900e-003	0.0000	30.2040

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3000e-004	0.0111	2.7600e-003	3.0000e-005	7.2000e-004	2.0000e-005	7.5000e-004	2.1000e-004	2.0000e-005	2.3000e-004	0.0000	2.8077	2.8077	1.8000e-004	0.0000	2.8121
Worker	3.8300e-003	2.8300e-003	0.0321	1.0000e-004	0.0101	8.0000e-005	0.0102	2.6800e-003	7.0000e-005	2.7500e-003	0.0000	8.7921	8.7921	2.4000e-004	0.0000	8.7980
Total	4.1600e-003	0.0140	0.0348	1.3000e-004	0.0108	1.0000e-004	0.0109	2.8900e-003	9.0000e-005	2.9800e-003	0.0000	11.5998	11.5998	4.2000e-004	0.0000	11.6101

3.4 Grading - Phase 1 - 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					
Fugitive Dust					7.3800e-003	0.0000	7.3800e-003	5.2200e-003	0.0000	5.2200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.2190	0.1604	3.1000e-004		9.8800e-003	9.8800e-003		9.0900e-003	9.0900e-003	0.0000	27.3575	27.3575	8.8500e-003	0.0000	27.5787
Total	0.0205	0.2190	0.1604	3.1000e-004	7.3800e-003	9.8800e-003	0.0173	5.2200e-003	9.0900e-003	0.0143	0.0000	27.3575	27.3575	8.8500e-003	0.0000	27.5787

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8000e-004	9.6300e-003	2.3800e-003	3.0000e-005	6.6000e-004	2.0000e-005	6.8000e-004	1.9000e-004	2.0000e-005	2.1000e-004	0.0000	2.5410	2.5410	1.6000e-004	0.0000	2.5449
Worker	3.2900e-003	2.3400e-003	0.0270	9.0000e-005	9.2200e-003	7.0000e-005	9.2800e-003	2.4500e-003	6.0000e-005	2.5100e-003	0.0000	7.7397	7.7397	1.9000e-004	0.0000	7.7446
Total	3.5700e-003	0.0120	0.0294	1.2000e-004	9.8800e-003	9.0000e-005	9.9600e-003	2.6400e-003	8.0000e-005	2.7200e-003	0.0000	10.2807	10.2807	3.5000e-004	0.0000	10.2895

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7400e-003	0.0000	2.7400e-003	1.9300e-003	0.0000	1.9300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.2190	0.1604	3.1000e-004		9.8800e-003	9.8800e-003		9.0900e-003	9.0900e-003	0.0000	27.3575	27.3575	8.8500e-003	0.0000	27.5787
Total	0.0205	0.2190	0.1604	3.1000e-004	2.7400e-003	9.8800e-003	0.0126	1.9300e-003	9.0900e-003	0.0110	0.0000	27.3575	27.3575	8.8500e-003	0.0000	27.5787

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.8000e-004	9.6300e-003	2.3800e-003	3.0000e-005	6.6000e-004	2.0000e-005	6.8000e-004	1.9000e-004	2.0000e-005	2.1000e-004	0.0000	2.5410	2.5410	1.6000e-004	0.0000	2.5449
Worker	3.2900e-003	2.3400e-003	0.0270	9.0000e-005	9.2200e-003	7.0000e-005	9.2800e-003	2.4500e-003	6.0000e-005	2.5100e-003	0.0000	7.7397	7.7397	1.9000e-004	0.0000	7.7446
Total	3.5700e-003	0.0120	0.0294	1.2000e-004	9.8800e-003	9.0000e-005	9.9600e-003	2.6400e-003	8.0000e-005	2.7200e-003	0.0000	10.2807	10.2807	3.5000e-004	0.0000	10.2895

3.5 Building Construction - Phase 1 - 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	0.1664	1.5225	1.5954	2.6300e-003		0.0789	0.0789		0.0742	0.0742	0.0000	225.9321	225.9321	0.0541	0.0000	227.2853
Total	0.1664	1.5225	1.5954	2.6300e-003		0.0789	0.0789		0.0742	0.0742	0.0000	225.9321	225.9321	0.0541	0.0000	227.2853

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-003	0.2684	0.0663	7.3000e-004	0.0184	4.9000e-004	0.0189	5.3200e-003	4.7000e-004	5.7900e-003	0.0000	70.7841	70.7841	4.3500e-003	0.0000	70.8928
Worker	0.0458	0.0326	0.3765	1.1900e-003	0.1284	9.4000e-004	0.1293	0.0341	8.6000e-004	0.0350	0.0000	107.8034	107.8034	2.7100e-003	0.0000	107.8712
Total	0.0536	0.3009	0.4428	1.9200e-003	0.1468	1.4300e-003	0.1482	0.0394	1.3300e-003	0.0407	0.0000	178.5875	178.5875	7.0600e-003	0.0000	178.7639

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	0.1664	1.5225	1.5954	2.6300e-003		0.0789	0.0789		0.0742	0.0742	0.0000	225.9318	225.9318	0.0541	0.0000	227.2850
Total	0.1664	1.5225	1.5954	2.6300e-003		0.0789	0.0789		0.0742	0.0742	0.0000	225.9318	225.9318	0.0541	0.0000	227.2850

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.8000e-003	0.2684	0.0663	7.3000e-004	0.0184	4.9000e-004	0.0189	5.3200e-003	4.7000e-004	5.7900e-003	0.0000	70.7841	70.7841	4.3500e-003	0.0000	70.8928
Worker	0.0458	0.0326	0.3765	1.1900e-003	0.1284	9.4000e-004	0.1293	0.0341	8.6000e-004	0.0350	0.0000	107.8034	107.8034	2.7100e-003	0.0000	107.8712
Total	0.0536	0.3009	0.4428	1.9200e-003	0.1468	1.4300e-003	0.1482	0.0394	1.3300e-003	0.0407	0.0000	178.5875	178.5875	7.0600e-003	0.0000	178.7639

3.6 Paving - Phase 1 - 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	0.0243	0.2448	0.3208	5.0000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	44.0606	44.0606	0.0143	0.0000	44.4169
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0243	0.2448	0.3208	5.0000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	44.0606	44.0606	0.0143	0.0000	44.4169

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9000e-004	0.0202	4.9900e-003	5.0000e-005	1.3900e-003	4.0000e-005	1.4200e-003	4.0000e-004	4.0000e-005	4.4000e-004	0.0000	5.3239	5.3239	3.3000e-004	0.0000	5.3321
Worker	3.4400e-003	2.4500e-003	0.0283	9.0000e-005	9.6500e-003	7.0000e-005	9.7300e-003	2.5600e-003	6.0000e-005	2.6300e-003	0.0000	8.1083	8.1083	2.0000e-004	0.0000	8.1134
Total	4.0300e-003	0.0226	0.0333	1.4000e-004	0.0110	1.1000e-004	0.0112	2.9600e-003	1.0000e-004	3.0700e-003	0.0000	13.4322	13.4322	5.3000e-004	0.0000	13.4455

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	0.0243	0.2448	0.3208	5.0000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	44.0606	44.0606	0.0143	0.0000	44.4168
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0243	0.2448	0.3208	5.0000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	44.0606	44.0606	0.0143	0.0000	44.4168

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9000e-004	0.0202	4.9900e-003	5.0000e-005	1.3900e-003	4.0000e-005	1.4200e-003	4.0000e-004	4.0000e-005	4.4000e-004	0.0000	5.3239	5.3239	3.3000e-004	0.0000	5.3321
Worker	3.4400e-003	2.4500e-003	0.0283	9.0000e-005	9.6500e-003	7.0000e-005	9.7300e-003	2.5600e-003	6.0000e-005	2.6300e-003	0.0000	8.1083	8.1083	2.0000e-004	0.0000	8.1134
Total	4.0300e-003	0.0226	0.0333	1.4000e-004	0.0110	1.1000e-004	0.0112	2.9600e-003	1.0000e-004	3.0700e-003	0.0000	13.4322	13.4322	5.3000e-004	0.0000	13.4455

3.7 Architectural Coating - Phase 1 - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	6.9100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-003	0.0310	0.0399	7.0000e-005		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	5.6172	5.6172	3.7000e-004	0.0000	5.6263
Total	0.0114	0.0310	0.0399	7.0000e-005		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	5.6172	5.6172	3.7000e-004	0.0000	5.6263

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1700e-003	0.0404	9.9800e-003	1.1000e-004	2.7700e-003	7.0000e-005	2.8500e-003	8.0000e-004	7.0000e-005	8.7000e-004	0.0000	10.6479	10.6479	6.5000e-004	0.0000	10.6642
Worker	6.8900e-003	4.9000e-003	0.0566	1.8000e-004	0.0193	1.4000e-004	0.0195	5.1300e-003	1.3000e-004	5.2600e-003	0.0000	16.2166	16.2166	4.1000e-004	0.0000	16.2268
Total	8.0600e-003	0.0453	0.0666	2.9000e-004	0.0221	2.1000e-004	0.0223	5.9300e-003	2.0000e-004	6.1300e-003	0.0000	26.8645	26.8645	1.0600e-003	0.0000	26.8910

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	6.9100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-003	0.0310	0.0399	7.0000e-005		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	5.6172	5.6172	3.7000e-004	0.0000	5.6263
Total	0.0114	0.0310	0.0399	7.0000e-005		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	5.6172	5.6172	3.7000e-004	0.0000	5.6263

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1700e-003	0.0404	9.9800e-003	1.1000e-004	2.7700e-003	7.0000e-005	2.8500e-003	8.0000e-004	7.0000e-005	8.7000e-004	0.0000	10.6479	10.6479	6.5000e-004	0.0000	10.6642
Worker	6.8900e-003	4.9000e-003	0.0566	1.8000e-004	0.0193	1.4000e-004	0.0195	5.1300e-003	1.3000e-004	5.2600e-003	0.0000	16.2166	16.2166	4.1000e-004	0.0000	16.2268
Total	8.0600e-003	0.0453	0.0666	2.9000e-004	0.0221	2.1000e-004	0.0223	5.9300e-003	2.0000e-004	6.1300e-003	0.0000	26.8645	26.8645	1.0600e-003	0.0000	26.8910

3.8 Demolition - Phases 2 and 3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0207	0.0000	0.0207	3.1400e-003	0.0000	3.1400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0477	0.4512	0.4125	8.2000e-004		0.0210	0.0210		0.0195	0.0195	0.0000	71.3833	71.3833	0.0200	0.0000	71.8831
Total	0.0477	0.4512	0.4125	8.2000e-004	0.0207	0.0210	0.0417	3.1400e-003	0.0195	0.0226	0.0000	71.3833	71.3833	0.0200	0.0000	71.8831

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	4.6000e-004	0.0155	4.9400e-003	7.0000e-005	1.7200e-003	3.0000e-005	1.7500e-003	4.7000e-004	3.0000e-005	5.0000e-004	0.0000	7.0861	7.0861	4.6000e-004	0.0000	7.0977
Vendor	1.6700e-003	0.0580	0.0170	2.0000e-004	5.2900e-003	7.0000e-005	5.3600e-003	1.5300e-003	6.0000e-005	1.5900e-003	0.0000	19.7150	19.7150	1.0900e-003	0.0000	19.7421
Worker	7.7400e-003	5.2900e-003	0.0623	2.1000e-004	0.0230	1.6000e-004	0.0232	6.1200e-003	1.5000e-004	6.2700e-003	0.0000	18.6277	18.6277	4.4000e-004	0.0000	18.6387
Total	9.8700e-003	0.0787	0.0843	4.8000e-004	0.0301	2.6000e-004	0.0303	8.1200e-003	2.4000e-004	8.3600e-003	0.0000	45.4289	45.4289	1.9900e-003	0.0000	45.4785

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					7.6900e-003	0.0000	7.6900e-003	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0477	0.4512	0.4125	8.2000e-004		0.0210	0.0210		0.0195	0.0195	0.0000	71.3833	71.3833	0.0200	0.0000	71.8830
Total	0.0477	0.4512	0.4125	8.2000e-004	7.6900e-003	0.0210	0.0286	1.1600e-003	0.0195	0.0207	0.0000	71.3833	71.3833	0.0200	0.0000	71.8830

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	4.6000e-004	0.0155	4.9400e-003	7.0000e-005	1.7200e-003	3.0000e-005	1.7500e-003	4.7000e-004	3.0000e-005	5.0000e-004	0.0000	7.0861	7.0861	4.6000e-004	0.0000	7.0977
Vendor	1.6700e-003	0.0580	0.0170	2.0000e-004	5.2900e-003	7.0000e-005	5.3600e-003	1.5300e-003	6.0000e-005	1.5900e-003	0.0000	19.7150	19.7150	1.0900e-003	0.0000	19.7421
Worker	7.7400e-003	5.2900e-003	0.0623	2.1000e-004	0.0230	1.6000e-004	0.0232	6.1200e-003	1.5000e-004	6.2700e-003	0.0000	18.6277	18.6277	4.4000e-004	0.0000	18.6387
Total	9.8700e-003	0.0787	0.0843	4.8000e-004	0.0301	2.6000e-004	0.0303	8.1200e-003	2.4000e-004	8.3600e-003	0.0000	45.4289	45.4289	1.9900e-003	0.0000	45.4785

3.9 Site Preparation - Phases 2 and 3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0225	0.0000	0.0225	0.0167	0.0000	0.0167	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0293	0.3028	0.2007	4.2000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	36.7958	36.7958	0.0119	0.0000	37.0933
Total	0.0293	0.3028	0.2007	4.2000e-004	0.0225	0.0139	0.0364	0.0167	0.0128	0.0295	0.0000	36.7958	36.7958	0.0119	0.0000	37.0933

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4000e-004	0.0152	4.4600e-003	5.0000e-005	1.3900e-003	2.0000e-005	1.4000e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	5.1635	5.1635	2.8000e-004	0.0000	5.1706
Worker	4.8600e-003	3.3200e-003	0.0392	1.3000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9400e-003	0.0000	11.7089	11.7089	2.8000e-004	0.0000	11.7157
Total	5.3000e-003	0.0185	0.0436	1.8000e-004	0.0159	1.2000e-004	0.0160	4.2500e-003	1.1000e-004	4.3600e-003	0.0000	16.8723	16.8723	5.6000e-004	0.0000	16.8863

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					8.3300e-003	0.0000	8.3300e-003	6.1700e-003	0.0000	6.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0293	0.3028	0.2007	4.2000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	36.7957	36.7957	0.0119	0.0000	37.0932
Total	0.0293	0.3028	0.2007	4.2000e-004	8.3300e-003	0.0139	0.0223	6.1700e-003	0.0128	0.0190	0.0000	36.7957	36.7957	0.0119	0.0000	37.0932

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.4000e-004	0.0152	4.4600e-003	5.0000e-005	1.3900e-003	2.0000e-005	1.4000e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	5.1635	5.1635	2.8000e-004	0.0000	5.1706
Worker	4.8600e-003	3.3200e-003	0.0392	1.3000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9400e-003	0.0000	11.7089	11.7089	2.8000e-004	0.0000	11.7157
Total	5.3000e-003	0.0185	0.0436	1.8000e-004	0.0159	1.2000e-004	0.0160	4.2500e-003	1.1000e-004	4.3600e-003	0.0000	16.8723	16.8723	5.6000e-004	0.0000	16.8863

3.10 Grading - Phases 2 and 3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0445	0.0000	0.0445	0.0290	0.0000	0.0290	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0359	0.3767	0.3098	6.2000e-004		0.0163	0.0163		0.0150	0.0150	0.0000	54.7273	54.7273	0.0177	0.0000	55.1698
Total	0.0359	0.3767	0.3098	6.2000e-004	0.0445	0.0163	0.0607	0.0290	0.0150	0.0440	0.0000	54.7273	54.7273	0.0177	0.0000	55.1698

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	3.9700e-003	0.1329	0.0425	6.2000e-004	0.0148	2.4000e-004	0.0150	4.0600e-003	2.3000e-004	4.2900e-003	0.0000	60.9408	60.9408	3.9600e-003	0.0000	61.0398
Vendor	8.4000e-004	0.0290	8.5100e-003	1.0000e-004	2.6500e-003	3.0000e-005	2.6800e-003	7.6000e-004	3.0000e-005	8.0000e-004	0.0000	9.8575	9.8575	5.4000e-004	0.0000	9.8711
Worker	0.0124	8.4600e-003	0.0997	3.3000e-004	0.0369	2.6000e-004	0.0371	9.7900e-003	2.4000e-004	0.0100	0.0000	29.8044	29.8044	7.0000e-004	0.0000	29.8219
Total	0.0172	0.1704	0.1507	1.0500e-003	0.0543	5.3000e-004	0.0548	0.0146	5.0000e-004	0.0151	0.0000	100.6027	100.6027	5.2000e-003	0.0000	100.7327

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					0.0165	0.0000	0.0165	0.0108	0.0000	0.0108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0359	0.3767	0.3098	6.2000e-004		0.0163	0.0163		0.0150	0.0150	0.0000	54.7272	54.7272	0.0177	0.0000	55.1697
Total	0.0359	0.3767	0.3098	6.2000e-004	0.0165	0.0163	0.0327	0.0108	0.0150	0.0257	0.0000	54.7272	54.7272	0.0177	0.0000	55.1697

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	3.9700e-003	0.1329	0.0425	6.2000e-004	0.0148	2.4000e-004	0.0150	4.0600e-003	2.3000e-004	4.2900e-003	0.0000	60.9408	60.9408	3.9600e-003	0.0000	61.0398
Vendor	8.4000e-004	0.0290	8.5100e-003	1.0000e-004	2.6500e-003	3.0000e-005	2.6800e-003	7.6000e-004	3.0000e-005	8.0000e-004	0.0000	9.8575	9.8575	5.4000e-004	0.0000	9.8711
Worker	0.0124	8.4600e-003	0.0997	3.3000e-004	0.0369	2.6000e-004	0.0371	9.7900e-003	2.4000e-004	0.0100	0.0000	29.8044	29.8044	7.0000e-004	0.0000	29.8219
Total	0.0172	0.1704	0.1507	1.0500e-003	0.0543	5.3000e-004	0.0548	0.0146	5.0000e-004	0.0151	0.0000	100.6027	100.6027	5.2000e-003	0.0000	100.7327

3.11 Building Construction - Phases 2 and 3 - 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	0.1195	1.0933	1.2345	2.0500e-003		0.0532	0.0532		0.0500	0.0500	0.0000	176.1716	176.1716	0.0419	0.0000	177.2193
Total	0.1195	1.0933	1.2345	2.0500e-003		0.0532	0.0532		0.0500	0.0500	0.0000	176.1716	176.1716	0.0419	0.0000	177.2193

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0800e-003	0.3148	0.0924	1.1000e-003	0.0287	3.6000e-004	0.0291	8.2900e-003	3.4000e-004	8.6400e-003	0.0000	107.0244	107.0244	5.8900e-003	0.0000	107.1716
Worker	0.0840	0.0574	0.6764	2.2400e-003	0.2502	1.7700e-003	0.2519	0.0664	1.6300e-003	0.0681	0.0000	202.2438	202.2438	4.7600e-003	0.0000	202.3627
Total	0.0931	0.3722	0.7689	3.3400e-003	0.2789	2.1300e-003	0.2810	0.0747	1.9700e-003	0.0767	0.0000	309.2681	309.2681	0.0107	0.0000	309.5343

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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	0.1195	1.0933	1.2345	2.0500e-003		0.0532	0.0532		0.0500	0.0500	0.0000	176.1714	176.1714	0.0419	0.0000	177.2191
Total	0.1195	1.0933	1.2345	2.0500e-003		0.0532	0.0532		0.0500	0.0500	0.0000	176.1714	176.1714	0.0419	0.0000	177.2191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.0800e-003	0.3148	0.0924	1.1000e-003	0.0287	3.6000e-004	0.0291	8.2900e-003	3.4000e-004	8.6400e-003	0.0000	107.0244	107.0244	5.8900e-003	0.0000	107.1716
Worker	0.0840	0.0574	0.6764	2.2400e-003	0.2502	1.7700e-003	0.2519	0.0664	1.6300e-003	0.0681	0.0000	202.2438	202.2438	4.7600e-003	0.0000	202.3627
Total	0.0931	0.3722	0.7689	3.3400e-003	0.2789	2.1300e-003	0.2810	0.0747	1.9700e-003	0.0767	0.0000	309.2681	309.2681	0.0107	0.0000	309.5343

3.11 Building Construction - Phases 2 and 3 - 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	0.0809	0.7394	0.8892	1.4800e-003		0.0337	0.0337		0.0317	0.0317	0.0000	127.5170	127.5170	0.0302	0.0000	128.2709
Total	0.0809	0.7394	0.8892	1.4800e-003		0.0337	0.0337		0.0317	0.0317	0.0000	127.5170	127.5170	0.0302	0.0000	128.2709

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4300e-003	0.2273	0.0650	7.9000e-004	0.0208	2.6000e-004	0.0211	6.0000e-003	2.4000e-004	6.2500e-003	0.0000	77.1782	77.1782	4.1900e-003	0.0000	77.2831
Worker	0.0576	0.0378	0.4566	1.5600e-003	0.1810	1.2700e-003	0.1823	0.0481	1.1700e-003	0.0492	0.0000	141.5441	141.5441	3.1500e-003	0.0000	141.6229
Total	0.0641	0.2651	0.5216	2.3500e-003	0.2018	1.5300e-003	0.2034	0.0541	1.4100e-003	0.0555	0.0000	218.7223	218.7223	7.3400e-003	0.0000	218.9060

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	0.0809	0.7394	0.8892	1.4800e-003		0.0337	0.0337		0.0317	0.0317	0.0000	127.5169	127.5169	0.0302	0.0000	128.2707
Total	0.0809	0.7394	0.8892	1.4800e-003		0.0337	0.0337		0.0317	0.0317	0.0000	127.5169	127.5169	0.0302	0.0000	128.2707

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.4300e-003	0.2273	0.0650	7.9000e-004	0.0208	2.6000e-004	0.0211	6.0000e-003	2.4000e-004	6.2500e-003	0.0000	77.1782	77.1782	4.1900e-003	0.0000	77.2831
Worker	0.0576	0.0378	0.4566	1.5600e-003	0.1810	1.2700e-003	0.1823	0.0481	1.1700e-003	0.0492	0.0000	141.5441	141.5441	3.1500e-003	0.0000	141.6229
Total	0.0641	0.2651	0.5216	2.3500e-003	0.2018	1.5300e-003	0.2034	0.0541	1.4100e-003	0.0555	0.0000	218.7223	218.7223	7.3400e-003	0.0000	218.9060

3.12 Paving - Phases 2 and 3 - 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	0.0213	0.2048	0.3145	4.9000e-004		0.0101	0.0101		9.2700e-003	9.2700e-003	0.0000	43.0570	43.0570	0.0139	0.0000	43.4052
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0213	0.2048	0.3145	4.9000e-004		0.0101	0.0101		9.2700e-003	9.2700e-003	0.0000	43.0570	43.0570	0.0139	0.0000	43.4052

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0296	8.4600e-003	1.0000e-004	2.7100e-003	3.0000e-005	2.7400e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	10.0566	10.0566	5.5000e-004	0.0000	10.0702
Worker	6.0100e-003	3.9400e-003	0.0476	1.6000e-004	0.0189	1.3000e-004	0.0190	5.0100e-003	1.2000e-004	5.1300e-003	0.0000	14.7549	14.7549	3.3000e-004	0.0000	14.7631
Total	6.8500e-003	0.0336	0.0561	2.6000e-004	0.0216	1.6000e-004	0.0217	5.7900e-003	1.5000e-004	5.9400e-003	0.0000	24.8115	24.8115	8.8000e-004	0.0000	24.8333

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	0.0213	0.2048	0.3145	4.9000e-004		0.0101	0.0101		9.2700e-003	9.2700e-003	0.0000	43.0570	43.0570	0.0139	0.0000	43.4051
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0213	0.2048	0.3145	4.9000e-004		0.0101	0.0101		9.2700e-003	9.2700e-003	0.0000	43.0570	43.0570	0.0139	0.0000	43.4051

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0296	8.4600e-003	1.0000e-004	2.7100e-003	3.0000e-005	2.7400e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	10.0566	10.0566	5.5000e-004	0.0000	10.0702
Worker	6.0100e-003	3.9400e-003	0.0476	1.6000e-004	0.0189	1.3000e-004	0.0190	5.0100e-003	1.2000e-004	5.1300e-003	0.0000	14.7549	14.7549	3.3000e-004	0.0000	14.7631
Total	6.8500e-003	0.0336	0.0561	2.6000e-004	0.0216	1.6000e-004	0.0217	5.7900e-003	1.5000e-004	5.9400e-003	0.0000	24.8115	24.8115	8.8000e-004	0.0000	24.8333

3.13 Architectural Coating - Phases 2 and 3 - 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	1.0064					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	0.0262	0.0389	6.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972
Total	1.0103	0.0262	0.0389	6.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6800e-003	0.0592	0.0169	2.1000e-004	5.4200e-003	7.0000e-005	5.4900e-003	1.5600e-003	6.0000e-005	1.6300e-003	0.0000	20.1131	20.1131	1.0900e-003	0.0000	20.1404
Worker	0.0180	0.0118	0.1428	4.9000e-004	0.0566	4.0000e-004	0.0570	0.0150	3.6000e-004	0.0154	0.0000	44.2647	44.2647	9.9000e-004	0.0000	44.2894
Total	0.0197	0.0711	0.1597	7.0000e-004	0.0620	4.7000e-004	0.0625	0.0166	4.2000e-004	0.0170	0.0000	64.3778	64.3778	2.0800e-003	0.0000	64.4298

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	1.0064					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	0.0262	0.0389	6.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972
Total	1.0103	0.0262	0.0389	6.0000e-005		1.3100e-003	1.3100e-003		1.3100e-003	1.3100e-003	0.0000	5.4895	5.4895	3.1000e-004	0.0000	5.4972

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6800e-003	0.0592	0.0169	2.1000e-004	5.4200e-003	7.0000e-005	5.4900e-003	1.5600e-003	6.0000e-005	1.6300e-003	0.0000	20.1131	20.1131	1.0900e-003	0.0000	20.1404
Worker	0.0180	0.0118	0.1428	4.9000e-004	0.0566	4.0000e-004	0.0570	0.0150	3.6000e-004	0.0154	0.0000	44.2647	44.2647	9.9000e-004	0.0000	44.2894
Total	0.0197	0.0711	0.1597	7.0000e-004	0.0620	4.7000e-004	0.0625	0.0166	4.2000e-004	0.0170	0.0000	64.3778	64.3778	2.0800e-003	0.0000	64.4298

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4723	2.3508	4.8704	0.0190	1.6499	0.0141	1.6640	0.4420	0.0131	0.4551	0.0000	1,764.8230	1,764.8230	0.0843	0.0000	1,766.9309
Unmitigated	0.5356	2.7050	6.4692	0.0267	2.4051	0.0194	2.4245	0.6444	0.0180	0.6624	0.0000	2,478.6409	2,478.6409	0.1112	0.0000	2,481.4205

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,357.08	1,304.48	1196.65	4,525,812	3,104,707
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	887.00	1,104.78	919.71	1,257,600	862,714
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	262.00	306.60	154.83	547,329	375,467
Total	2,506.08	2,715.86	2,271.19	6,330,741	4,342,888

4.3 Trip Type Information

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.00	19.40	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
Enclosed Parking with Elevator	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
High Turnover (Sit Down Restaurant)	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
Other Asphalt Surfaces	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
Regional Shopping Center	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	743.4545	743.4545	0.0265	6.6200e-003	746.0880
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	743.4545	743.4545	0.0265	6.6200e-003	746.0880
NaturalGas Mitigated	0.0210	0.1825	0.0974	1.1500e-003		0.0145	0.0145		0.0145	0.0145	0.0000	208.0535	208.0535	3.9900e-003	3.8100e-003	209.2898
NaturalGas Unmitigated	0.0210	0.1825	0.0974	1.1500e-003		0.0145	0.0145		0.0145	0.0145	0.0000	208.0535	208.0535	3.9900e-003	3.8100e-003	209.2898

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	2.92769e+006	0.0158	0.1349	0.0574	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	156.2325	156.2325	2.9900e-003	2.8600e-003	157.1609
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	956561	5.1600e-003	0.0469	0.0394	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003	0.0000	51.0457	51.0457	9.8000e-004	9.4000e-004	51.3491
Other Asphalt Surfaces	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
Regional Shopping Center	14527	8.0000e-005	7.1000e-004	6.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7752	0.7752	1.0000e-005	1.0000e-005	0.7798
Total		0.0210	0.1825	0.0974	1.1400e-003		0.0145	0.0145		0.0145	0.0145	0.0000	208.0535	208.0535	3.9800e-003	3.8100e-003	209.2898

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	2.92769e+006	0.0158	0.1349	0.0574	8.6000e-004		0.0109	0.0109		0.0109	0.0109	0.0000	156.2325	156.2325	2.9900e-003	2.8600e-003	157.1609
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	956561	5.1600e-003	0.0469	0.0394	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003	0.0000	51.0457	51.0457	9.8000e-004	9.4000e-004	51.3491
Other Asphalt Surfaces	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
Regional Shopping Center	14527	8.0000e-005	7.1000e-004	6.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7752	0.7752	1.0000e-005	1.0000e-005	0.7798
Total		0.0210	0.1825	0.0974	1.1400e-003		0.0145	0.0145		0.0145	0.0145	0.0000	208.0535	208.0535	3.9800e-003	3.8100e-003	209.2898

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.04456e+006	266.1684	9.4800e-003	2.3700e-003	267.1113
Enclosed Parking with Elevator	1.66029e+006	423.0656	0.0151	3.7700e-003	424.5643
High Turnover (Sit Down Restaurant)	131535	33.5170	1.1900e-003	3.0000e-004	33.6358
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	81249	20.7034	7.4000e-004	1.8000e-004	20.7768
Total		743.4545	0.0265	6.6200e-003	746.0881

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.04456e+006	266.1684	9.4800e-003	2.3700e-003	267.1113
Enclosed Parking with Elevator	1.66029e+006	423.0656	0.0151	3.7700e-003	424.5643
High Turnover (Sit Down Restaurant)	131535	33.5170	1.1900e-003	3.0000e-004	33.6358
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	81249	20.7034	7.4000e-004	1.8000e-004	20.7768
Total		743.4545	0.0265	6.6200e-003	746.0881

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.3810	0.0313	2.7197	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4499	4.4499	4.2900e-003	0.0000	4.5572
Unmitigated	1.3810	0.0313	2.7197	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4499	4.4499	4.2900e-003	0.0000	4.5572

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1015					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1973					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	0.0823	0.0313	2.7197	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4499	4.4499	4.2900e-003	0.0000	4.5572
Total	1.3811	0.0313	2.7197	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4499	4.4499	4.2900e-003	0.0000	4.5572

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	0.1015					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1973					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	0.0823	0.0313	2.7197	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4499	4.4499	4.2900e-003	0.0000	4.5572
Total	1.3811	0.0313	2.7197	1.4000e-004		0.0151	0.0151		0.0151	0.0151	0.0000	4.4499	4.4499	4.2900e-003	0.0000	4.5572

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	80.6001	0.0210	0.0122	84.7729
Unmitigated	100.7501	0.0262	0.0153	105.9661

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	17.1355 / 10.8028	93.4999	0.0240	0.0140	98.2601
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.12307 / 0.0716856	4.3266	1.5100e-003	9.0000e-004	4.6322
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.540729 / 0.331415	2.9237	7.6000e-004	4.4000e-004	3.0738
Total		100.7501	0.0263	0.0153	105.9661

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	13.7084 / 8.64226	74.7999	0.0192	0.0112	78.6081
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	0.89846 / 0.0573485	3.4613	1.2100e-003	7.2000e-004	3.7058
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.432584 / 0.265132	2.3389	6.0000e-004	3.5000e-004	2.4590
Total		80.6001	0.0210	0.0122	84.7729

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.5262	1.0358	0.0000	43.4205
Unmitigated	35.0525	2.0715	0.0000	86.8410

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	120.98	24.5579	1.4513	0.0000	60.8410
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	44.03	8.9377	0.5282	0.0000	22.1428
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	7.67	1.5569	0.0920	0.0000	3.8573
Total		35.0525	2.0715	0.0000	86.8410

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	60.49	12.2789	0.7257	0.0000	30.4205
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	22.015	4.4689	0.2641	0.0000	11.0714
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3.835	0.7785	0.0460	0.0000	1.9286
Total		17.5262	1.0358	0.0000	43.4205

CalEEMod Version: CalEEMod.2016.3.2

Date: 12/8/2020 12:07 PM

Pacific Coast Commons Specific Plan Project
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	763.00	Space	0.00	305,200.00	0
Other Asphalt Surfaces	12.65	1000sqft	0.00	12,650.00	0
High Turnover (Sit Down Restaurant)	3.70	1000sqft	0.00	3,700.00	0
Apartments Mid Rise	263.00	Dwelling Unit	0.00	314,659.00	752
Regional Shopping Center	7.30	1000sqft	5.35	7,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	561.77	CH4 Intensity (lb/MW hr)	0.02	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PCC SP. SCAQMD. Adjusted to meet 36.5% RPS (SCE 2018 Sustainability Report).

Land Use - Updated land use assumptions per applicant.

Construction Phase - Updated construction schedule per applicant.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Updated per applicant.

Demolition - Phase 1: 41,660 SF of building demo, Phases 2 and 3: 1,938.785 tons of pavement demo.

Grading - 17,000 CY of soil export during Phase 2.

Architectural Coating - Use of low-VOC (50 g/L). Updated SF per phase.

Vehicle Trips - Adjusted trip gen rates per TIA (Fehr and Peers 2020).

Woodstoves - Assume no wood burning devices.

Area Coating - Use of low-VOC arch coating (50 g/L).

Energy Use - Assume compliance with 2019 Title 24 Standards.

Water And Wastewater - Assume 100% aerobic.

Construction Off-road Equipment Mitigation - Water three times daily and replace ground cover.

Mobile Land Use Mitigation - Increase transit accessibility (0.2 miles) and improve pedestrian network.

Water Mitigation - Reduce water consumption by 20% per CalGreen.

Waste Mitigation - Assume 50% waste disposed per AB 939.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	5,500.00	1,400.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	5,500.00	4,100.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	16,500.00	4,200.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	16,500.00	12,300.00
tblArchitecturalCoating	ConstArea_Parking	19,071.00	180.00
tblArchitecturalCoating	ConstArea_Parking	19,071.00	1,779.00

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tblArchitecturalCoating	ConstArea_Residential_Exterior	212,395.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	212,395.00	212,213.00
tblArchitecturalCoating	ConstArea_Residential_Interior	637,184.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	637,184.00	636,338.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_Parking	19071	1959
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	230.00	262.00
tblConstructionPhase	NumDays	230.00	195.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	10.00	22.00
tblEnergyUse	T24E	179.76	176.16
tblEnergyUse	T24E	3.92	3.50
tblEnergyUse	T24E	8.71	7.78
tblEnergyUse	T24E	2.93	2.62
tblEnergyUse	T24NG	5,911.46	5,615.89
tblEnergyUse	T24NG	78.56	77.77
tblEnergyUse	T24NG	0.95	0.94
tblFireplaces	FireplaceDayYear	25.00	0.00

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tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	223.55	237.00
tblFireplaces	NumberNoFireplace	26.30	26.00
tblFireplaces	NumberWood	13.15	0.00
tblGrading	AcresOfGrading	21.50	0.74
tblGrading	AcresOfGrading	21.00	3.14
tblGrading	MaterialExported	0.00	17,000.00
tblGrading	MaterialMoistureContentBulldozing	7.90	17.00
tblGrading	MaterialMoistureContentBulldozing	7.90	17.00
tblGrading	MaterialMoistureContentBulldozing	7.90	17.00
tblGrading	MaterialSiltContent	6.90	3.30
tblGrading	MaterialSiltContent	6.90	3.30
tblGrading	MaterialSiltContent	6.90	3.30
tblGrading	MaterialSiltContent	6.90	3.30
tblLandUse	LandUseSquareFeet	263,000.00	314,659.00
tblLandUse	LotAcreage	6.87	0.00
tblLandUse	LotAcreage	0.29	0.00
tblLandUse	LotAcreage	0.08	0.00
tblLandUse	LotAcreage	6.92	0.00
tblLandUse	LotAcreage	0.17	5.35
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	702.44	561.77
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	HaulingTripNumber	189.00	200.00
tblTripsAndVMT	HaulingTripNumber	192.00	200.00
tblTripsAndVMT	HaulingTripNumber	2,125.00	1,720.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	82.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00

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tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	82.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	80.00
tblTripsAndVMT	WorkerTripNumber	327.00	300.00
tblTripsAndVMT	WorkerTripNumber	15.00	80.00
tblTripsAndVMT	WorkerTripNumber	65.00	240.00
tblTripsAndVMT	WorkerTripNumber	18.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	80.00
tblTripsAndVMT	WorkerTripNumber	327.00	120.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	65.00	80.00
tblTripsAndVMT	WorkerTripNumber	15.00	100.00
tblTripsAndVMT	WorkerTripNumber	18.00	120.00
tblTripsAndVMT	WorkerTripNumber	15.00	160.00
tblVehicleTrips	HS_TTP	19.20	19.40
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	6.39	4.96
tblVehicleTrips	ST_TR	158.37	298.59
tblVehicleTrips	ST_TR	49.97	42.00
tblVehicleTrips	SU_TR	5.86	4.55
tblVehicleTrips	SU_TR	131.84	248.57
tblVehicleTrips	SU_TR	25.24	21.21
tblVehicleTrips	WD_TR	6.65	5.16
tblVehicleTrips	WD_TR	127.15	239.73
tblVehicleTrips	WD_TR	42.70	35.89
tblWater	AerobicPercent	87.46	100.00

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tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.1271	41.5877	25.5415	0.0601	3.1414	2.0505	4.7171	1.6799	1.8865	3.5664	0.0000	5,968.782 2	5,968.782 2	1.2234	0.0000	5,997.891 9
2022	2.2915	21.9583	21.2160	0.0474	1.6418	0.9489	2.5907	0.7505	0.8731	1.6235	0.0000	4,645.779 7	4,645.779 7	0.9663	0.0000	4,663.075 6
2023	3.1451	29.1616	27.0512	0.0808	4.7489	1.2769	5.5493	2.0888	1.1748	3.0806	0.0000	8,265.040 0	8,265.040 0	1.2494	0.0000	8,295.050 1
2024	49.2194	18.1519	27.1750	0.0723	3.9608	0.6409	4.5194	1.0592	0.6025	1.6023	0.0000	7,235.973 5	7,235.973 5	0.8828	0.0000	7,258.041 9
Maximum	49.2194	41.5877	27.1750	0.0808	4.7489	2.0505	5.5493	2.0888	1.8865	3.5664	0.0000	8,265.040 0	8,265.040 0	1.2494	0.0000	8,295.050 1

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.1271	41.5877	25.5415	0.0601	1.9121	2.0505	3.4814	0.7273	1.8865	2.6138	0.0000	5,968.782 2	5,968.782 2	1.2234	0.0000	5,997.891 9
2022	2.2915	21.9583	21.2160	0.0474	1.5333	0.9489	2.3569	0.4389	0.8731	1.3120	0.0000	4,645.779 7	4,645.779 7	0.9663	0.0000	4,663.075 6
2023	3.1451	29.1616	27.0512	0.0808	3.7373	1.2769	4.4650	1.2191	1.1748	2.1280	0.0000	8,265.040 0	8,265.040 0	1.2494	0.0000	8,295.050 1
2024	49.2194	18.1519	27.1750	0.0723	3.9608	0.6409	4.5194	1.0592	0.6025	1.6023	0.0000	7,235.973 5	7,235.973 5	0.8828	0.0000	7,258.041 9
Maximum	49.2194	41.5877	27.1750	0.0808	3.9608	2.0505	4.5194	1.2191	1.8865	2.6138	0.0000	8,265.040 0	8,265.040 0	1.2494	0.0000	8,295.050 1

	ROG	NOx	CO	SO2	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	0.00	0.00	0.00	0.00	17.41	0.00	14.70	38.25	0.00	22.45	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.2348	4.1818	23.4303	0.0263		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0649	5,058.0649	0.1341	0.0920	5,088.8358
Energy	0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6560	1,256.6560	0.0241	0.0230	1,264.1236
Mobile	3.4983	15.8191	40.1391	0.1645	14.4530	0.1148	14.5678	3.8663	0.1066	3.9729		16,805.4458	16,805.4458	0.7298		16,823.6902
Total	11.8483	21.0009	64.1031	0.1971	14.4530	0.6328	15.0858	3.8663	0.6246	4.4909	0.0000	23,120.1667	23,120.1667	0.8879	0.1151	23,176.6497

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.2348	4.1818	23.4303	0.0263		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0649	5,058.0649	0.1341	0.0920	5,088.8358
Energy	0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6560	1,256.6560	0.0241	0.0230	1,264.1236
Mobile	3.1179	13.8852	29.8334	0.1172	9.9148	0.0834	9.9981	2.6523	0.0774	2.7297		11,980.0439	11,980.0439	0.5511		11,993.8223
Total	11.4679	19.0670	53.7974	0.1497	9.9148	0.6014	10.5162	2.6523	0.5954	3.2477	0.0000	18,294.7648	18,294.7648	0.7093	0.1151	18,346.7817

	ROG	NOx	CO	SO2	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	3.21	9.21	16.08	24.04	31.40	4.97	30.29	31.40	4.68	27.68	0.00	20.87	20.87	20.12	0.00	20.84

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - Phase 1	Demolition	10/1/2021	10/31/2021	5	21	
2	Site Preparation - Phase 1	Site Preparation	11/1/2021	11/30/2021	5	22	
3	Grading - Phase 1	Grading	12/1/2021	1/31/2022	5	44	
4	Building Construction - Phase 1	Building Construction	2/1/2022	10/31/2022	5	195	
5	Paving - Phase 1	Paving	11/1/2022	12/31/2022	5	44	
6	Architectural Coating - Phase 1	Architectural Coating	11/1/2022	12/31/2022	5	44	
7	Demolition - Phases 2 and 3	Demolition	1/1/2023	2/28/2023	5	42	
8	Site Preparation - Phases 2 and 3	Site Preparation	3/1/2023	3/30/2023	5	22	
9	Grading - Phases 2 and 3	Grading	4/1/2023	5/30/2023	5	42	
10	Building Construction - Phases 2 and 3	Building Construction	6/1/2023	5/31/2024	5	262	
11	Paving - Phases 2 and 3	Paving	6/1/2024	7/31/2024	5	43	
12	Architectural Coating - Phases 2 and 3	Architectural Coating	6/1/2024	7/31/2024	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,200; Non-Residential Outdoor: 1,400; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - Phase 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - Phase 1	Excavators	3	8.00	158	0.38
Demolition - Phase 1	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation - Phase 1	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phase 1	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase 1	Excavators	1	8.00	158	0.38
Grading - Phase 1	Graders	1	8.00	187	0.41
Grading - Phase 1	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase 1	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction - Phase 1	Cranes	1	7.00	231	0.29
Building Construction - Phase 1	Forklifts	3	8.00	89	0.20
Building Construction - Phase 1	Generator Sets	1	8.00	84	0.74
Building Construction - Phase 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase 1	Welders	1	8.00	46	0.45
Paving - Phase 1	Pavers	2	8.00	130	0.42
Paving - Phase 1	Paving Equipment	2	8.00	132	0.36
Paving - Phase 1	Rollers	2	8.00	80	0.38
Architectural Coating - Phase 1	Air Compressors	1	6.00	78	0.48
Demolition - Phases 2 and 3	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - Phases 2 and 3	Excavators	3	8.00	158	0.38
Demolition - Phases 2 and 3	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation - Phases 2 and 3	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phases 2 and 3	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phases 2 and 3	Excavators	1	8.00	158	0.38
Grading - Phases 2 and 3	Graders	1	8.00	187	0.41
Grading - Phases 2 and 3	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phases 2 and 3	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction - Phases 2 and 3	Cranes	1	7.00	231	0.29

Pacific Coast Commons Specific Plan Project - South Coast AQMD Air District, Summer

Building Construction - Phases 2 and 3	Forklifts	3	8.00	89	0.20
Building Construction - Phases 2 and 3	Generator Sets	1	8.00	84	0.74
Building Construction - Phases 2 and 3	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phases 2 and 3	Welders	1	8.00	46	0.45
Paving - Phases 2 and 3	Pavers	2	8.00	130	0.42
Paving - Phases 2 and 3	Paving Equipment	2	8.00	132	0.36
Paving - Phases 2 and 3	Rollers	2	8.00	80	0.38
Architectural Coating - Phases 2 and 3	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - Phase 1	6	80.00	20.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phase 1	7	50.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase 1	6	80.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase 1	9	120.00	30.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase 1	6	40.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase 1	1	80.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - Phases 2 and 3	6	100.00	40.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phases 2 and 3	7	120.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phases 2 and 3	6	160.00	20.00	1,720.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phases 2 and 3	9	300.00	60.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phases 2 and 3	6	80.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phases 2 and 3	1	240.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

3.2 Demolition - Phase 1 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9528	0.0000	1.9528	0.2957	0.0000	0.2957			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	1.9528	1.5513	3.5041	0.2957	1.4411	1.7368		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0691	2.4094	0.5100	7.3000e-003	0.1664	7.4700e-003	0.1739	0.0456	7.1400e-003	0.0528		790.0377	790.0377	0.0527		791.3554
Vendor	0.0557	1.9075	0.4527	5.1000e-003	0.1280	3.8400e-003	0.1318	0.0369	3.6700e-003	0.0405		544.8769	544.8769	0.0330		545.7009
Worker	0.3377	0.2190	3.0138	8.8900e-003	0.8942	6.5800e-003	0.9008	0.2372	6.0600e-003	0.2432		885.9227	885.9227	0.0238		886.5182
Total	0.4625	4.5359	3.9765	0.0213	1.1886	0.0179	1.2065	0.3196	0.0169	0.3365		2,220.8373	2,220.8373	0.1095		2,223.5745

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7235	0.0000	0.7235	0.1095	0.0000	0.1095			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.7235	1.5513	2.2748	0.1095	1.4411	1.5506	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0691	2.4094	0.5100	7.3000e-003	0.1664	7.4700e-003	0.1739	0.0456	7.1400e-003	0.0528		790.0377	790.0377	0.0527		791.3554
Vendor	0.0557	1.9075	0.4527	5.1000e-003	0.1280	3.8400e-003	0.1318	0.0369	3.6700e-003	0.0405		544.8769	544.8769	0.0330		545.7009
Worker	0.3377	0.2190	3.0138	8.8900e-003	0.8942	6.5800e-003	0.9008	0.2372	6.0600e-003	0.2432		885.9227	885.9227	0.0238		886.5182
Total	0.4625	4.5359	3.9765	0.0213	1.1886	0.0179	1.2065	0.3196	0.0169	0.3365		2,220.8373	2,220.8373	0.1095		2,223.5745

3.3 Site Preparation - Phase 1 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0437	0.0000	2.0437	1.5132	0.0000	1.5132			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	2.0437	2.0445	4.0882	1.5132	1.8809	3.3941		3,685.6569	3,685.6569	1.1920		3,715.4573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0278	0.9538	0.2263	2.5500e-003	0.0640	1.9200e-003	0.0659	0.0184	1.8400e-003	0.0203		272.4385	272.4385	0.0165		272.8505
Worker	0.2111	0.1369	1.8836	5.5600e-003	0.5589	4.1100e-003	0.5630	0.1482	3.7900e-003	0.1520		553.7017	553.7017	0.0149		554.0739
Total	0.2389	1.0906	2.1100	8.1100e-003	0.6229	6.0300e-003	0.6289	0.1667	5.6300e-003	0.1723		826.1401	826.1401	0.0314		826.9244

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7572	0.0000	0.7572	0.5607	0.0000	0.5607			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	0.7572	2.0445	2.8017	0.5607	1.8809	2.4416	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0278	0.9538	0.2263	2.5500e-003	0.0640	1.9200e-003	0.0659	0.0184	1.8400e-003	0.0203		272.4385	272.4385	0.0165		272.8505
Worker	0.2111	0.1369	1.8836	5.5600e-003	0.5589	4.1100e-003	0.5630	0.1482	3.7900e-003	0.1520		553.7017	553.7017	0.0149		554.0739
Total	0.2389	1.0906	2.1100	8.1100e-003	0.6229	6.0300e-003	0.6289	0.1667	5.6300e-003	0.1723		826.1401	826.1401	0.0314		826.9244

3.4 Grading - Phase 1 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6836	0.0000	0.6836	0.4949	0.0000	0.4949			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	0.6836	1.1599	1.8435	0.4949	1.0671	1.5620		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0278	0.9538	0.2263	2.5500e-003	0.0640	1.9200e-003	0.0659	0.0184	1.8400e-003	0.0203		272.4385	272.4385	0.0165		272.8505
Worker	0.3377	0.2190	3.0138	8.8900e-003	0.8942	6.5800e-003	0.9008	0.2372	6.0600e-003	0.2432		885.9227	885.9227	0.0238		886.5182
Total	0.3655	1.1728	3.2401	0.0114	0.9582	8.5000e-003	0.9667	0.2556	7.9000e-003	0.2635		1,158.3611	1,158.3611	0.0403		1,159.3687

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2533	0.0000	0.2533	0.1834	0.0000	0.1834			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	0.2533	1.1599	1.4132	0.1834	1.0671	1.2505	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0278	0.9538	0.2263	2.5500e-003	0.0640	1.9200e-003	0.0659	0.0184	1.8400e-003	0.0203		272.4385	272.4385	0.0165		272.8505
Worker	0.3377	0.2190	3.0138	8.8900e-003	0.8942	6.5800e-003	0.9008	0.2372	6.0600e-003	0.2432		885.9227	885.9227	0.0238		886.5182
Total	0.3655	1.1728	3.2401	0.0114	0.9582	8.5000e-003	0.9667	0.2556	7.9000e-003	0.2635		1,158.3611	1,158.3611	0.0403		1,159.3687

3.4 Grading - Phase 1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6836	0.0000	0.6836	0.4949	0.0000	0.4949			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	0.6836	0.9409	1.6244	0.4949	0.8656	1.3605		2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0261	0.9053	0.2139	2.5300e-003	0.0640	1.6600e-003	0.0657	0.0184	1.5900e-003	0.0200		270.0591	270.0591	0.0159		270.4558
Worker	0.3168	0.1978	2.7868	8.5700e-003	0.8942	6.3900e-003	0.9006	0.2372	5.8900e-003	0.2430		854.1791	854.1791	0.0215		854.7174
Total	0.3429	1.1032	3.0007	0.0111	0.9582	8.0500e-003	0.9663	0.2556	7.4800e-003	0.2631		1,124.238 3	1,124.238 3	0.0374		1,125.173 2

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2533	0.0000	0.2533	0.1834	0.0000	0.1834			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	0.2533	0.9409	1.1941	0.1834	0.8656	1.0489	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0261	0.9053	0.2139	2.5300e-003	0.0640	1.6600e-003	0.0657	0.0184	1.5900e-003	0.0200		270.0591	270.0591	0.0159		270.4558
Worker	0.3168	0.1978	2.7868	8.5700e-003	0.8942	6.3900e-003	0.9006	0.2372	5.8900e-003	0.2430		854.1791	854.1791	0.0215		854.7174
Total	0.3429	1.1032	3.0007	0.0111	0.9582	8.0500e-003	0.9663	0.2556	7.4800e-003	0.2631		1,124.238 3	1,124.238 3	0.0374		1,125.173 2

3.5 Building Construction - Phase 1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0783	2.7160	0.6417	7.5800e-003	0.1920	4.9900e-003	0.1970	0.0553	4.7700e-003	0.0601		810.1774	810.1774	0.0476		811.3673
Worker	0.4751	0.2968	4.1802	0.0129	1.3413	9.5900e-003	1.3509	0.3557	8.8300e-003	0.3646		1,281.2687	1,281.2687	0.0323		1,282.0761
Total	0.5534	3.0128	4.8219	0.0204	1.5333	0.0146	1.5479	0.4110	0.0136	0.4246		2,091.4461	2,091.4461	0.0799		2,093.4434

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0783	2.7160	0.6417	7.5800e-003	0.1920	4.9900e-003	0.1970	0.0553	4.7700e-003	0.0601		810.1774	810.1774	0.0476		811.3673
Worker	0.4751	0.2968	4.1802	0.0129	1.3413	9.5900e-003	1.3509	0.3557	8.8300e-003	0.3646		1,281.2687	1,281.2687	0.0323		1,282.0761
Total	0.5534	3.0128	4.8219	0.0204	1.5333	0.0146	1.5479	0.4110	0.0136	0.4246		2,091.4461	2,091.4461	0.0799		2,093.4434

3.6 Paving - Phase 1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0261	0.9053	0.2139	2.5300e-003	0.0640	1.6600e-003	0.0657	0.0184	1.5900e-003	0.0200		270.0591	270.0591	0.0159		270.4558
Worker	0.1584	0.0989	1.3934	4.2900e-003	0.4471	3.2000e-003	0.4503	0.1186	2.9400e-003	0.1215		427.0896	427.0896	0.0108		427.3587
Total	0.1845	1.0043	1.6073	6.8200e-003	0.5111	4.8600e-003	0.5160	0.1370	4.5300e-003	0.1415		697.1487	697.1487	0.0266		697.8145

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0261	0.9053	0.2139	2.5300e-003	0.0640	1.6600e-003	0.0657	0.0184	1.5900e-003	0.0200		270.0591	270.0591	0.0159		270.4558
Worker	0.1584	0.0989	1.3934	4.2900e-003	0.4471	3.2000e-003	0.4503	0.1186	2.9400e-003	0.1215		427.0896	427.0896	0.0108		427.3587
Total	0.1845	1.0043	1.6073	6.8200e-003	0.5111	4.8600e-003	0.5160	0.1370	4.5300e-003	0.1415		697.1487	697.1487	0.0266		697.8145

3.7 Architectural Coating - Phase 1 - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3139					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	0.5185	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0522	1.8107	0.4278	5.0600e-003	0.1280	3.3300e-003	0.1313	0.0369	3.1800e-003	0.0400		540.1183	540.1183	0.0317		540.9115
Worker	0.3168	0.1978	2.7868	8.5700e-003	0.8942	6.3900e-003	0.9006	0.2372	5.8900e-003	0.2430		854.1791	854.1791	0.0215		854.7174
Total	0.3690	2.0085	3.2146	0.0136	1.0222	9.7200e-003	1.0319	0.2740	9.0700e-003	0.2831		1,394.2974	1,394.2974	0.0533		1,395.6289

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3139					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	0.5185	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0522	1.8107	0.4278	5.0600e-003	0.1280	3.3300e-003	0.1313	0.0369	3.1800e-003	0.0400		540.1183	540.1183	0.0317		540.9115
Worker	0.3168	0.1978	2.7868	8.5700e-003	0.8942	6.3900e-003	0.9006	0.2372	5.8900e-003	0.2430		854.1791	854.1791	0.0215		854.7174
Total	0.3690	2.0085	3.2146	0.0136	1.0222	9.7200e-003	1.0319	0.2740	9.0700e-003	0.2831		1,394.2974	1,394.2974	0.0533		1,395.6289

3.8 Demolition - Phases 2 and 3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9878	0.0000	0.9878	0.1496	0.0000	0.1496			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.9878	0.9975	1.9854	0.1496	0.9280	1.0776		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0217	0.7201	0.2297	3.4500e-003	0.0832	1.3400e-003	0.0845	0.0228	1.2800e-003	0.0241		374.8750	374.8750	0.0238		375.4704
Vendor	0.0779	2.7377	0.7709	9.7900e-003	0.2560	3.0800e-003	0.2591	0.0737	2.9400e-003	0.0766		1,047.4709	1,047.4709	0.0553		1,048.8543
Worker	0.3723	0.2238	3.2170	0.0103	1.1178	7.7800e-003	1.1256	0.2964	7.1700e-003	0.3036		1,027.9302	1,027.9302	0.0243		1,028.5370
Total	0.4719	3.6816	4.2175	0.0236	1.4570	0.0122	1.4692	0.3929	0.0114	0.4043		2,450.2761	2,450.2761	0.1034		2,452.8617

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3660	0.0000	0.3660	0.0554	0.0000	0.0554			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.3660	0.9975	1.3635	0.0554	0.9280	0.9834	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0217	0.7201	0.2297	3.4500e-003	0.0832	1.3400e-003	0.0845	0.0228	1.2800e-003	0.0241		374.8750	374.8750	0.0238		375.4704
Vendor	0.0779	2.7377	0.7709	9.7900e-003	0.2560	3.0800e-003	0.2591	0.0737	2.9400e-003	0.0766		1,047.4709	1,047.4709	0.0553		1,048.8543
Worker	0.3723	0.2238	3.2170	0.0103	1.1178	7.7800e-003	1.1256	0.2964	7.1700e-003	0.3036		1,027.9302	1,027.9302	0.0243		1,028.5370
Total	0.4719	3.6816	4.2175	0.0236	1.4570	0.0122	1.4692	0.3929	0.0114	0.4043		2,450.2761	2,450.2761	0.1034		2,452.8617

3.9 Site Preparation - Phases 2 and 3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0437	0.0000	2.0437	1.5132	0.0000	1.5132			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	2.0437	1.2660	3.3097	1.5132	1.1647	2.6780		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0389	1.3689	0.3854	4.9000e-003	0.1280	1.5400e-003	0.1295	0.0369	1.4700e-003	0.0383		523.7354	523.7354	0.0277		524.4272
Worker	0.4467	0.2685	3.8604	0.0124	1.3413	9.3400e-003	1.3507	0.3557	8.6000e-003	0.3643		1,233.516 2	1,233.516 2	0.0291		1,234.244 4
Total	0.4857	1.6374	4.2458	0.0173	1.4693	0.0109	1.4802	0.3926	0.0101	0.4026		1,757.251 6	1,757.251 6	0.0568		1,758.671 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7572	0.0000	0.7572	0.5607	0.0000	0.5607			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	0.7572	1.2660	2.0232	0.5607	1.1647	1.7254	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0389	1.3689	0.3854	4.9000e-003	0.1280	1.5400e-003	0.1295	0.0369	1.4700e-003	0.0383		523.7354	523.7354	0.0277		524.4272
Worker	0.4467	0.2685	3.8604	0.0124	1.3413	9.3400e-003	1.3507	0.3557	8.6000e-003	0.3643		1,233.5162	1,233.5162	0.0291		1,234.2444
Total	0.4857	1.6374	4.2458	0.0173	1.4693	0.0109	1.4802	0.3926	0.0101	0.4026		1,757.2516	1,757.2516	0.0568		1,758.6716

3.10 Grading - Phases 2 and 3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1169	0.0000	2.1169	1.3815	0.0000	1.3815			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	2.1169	0.7749	2.8918	1.3815	0.7129	2.0944		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1867	6.1930	1.9753	0.0297	0.7156	0.0115	0.7271	0.1961	0.0110	0.2071		3,223.9253	3,223.9253	0.2048		3,229.0456
Vendor	0.0389	1.3689	0.3854	4.9000e-003	0.1280	1.5400e-003	0.1295	0.0369	1.4700e-003	0.0383		523.7354	523.7354	0.0277		524.4272
Worker	0.5957	0.3580	5.1471	0.0165	1.7884	0.0125	1.8009	0.4743	0.0115	0.4858		1,644.6883	1,644.6883	0.0388		1,645.6592
Total	0.8213	7.9199	7.5078	0.0511	2.6320	0.0255	2.6575	0.7073	0.0239	0.7312		5,392.3490	5,392.3490	0.2713		5,399.1320

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7843	0.0000	0.7843	0.5119	0.0000	0.5119			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	0.7843	0.7749	1.5592	0.5119	0.7129	1.2248	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1867	6.1930	1.9753	0.0297	0.7156	0.0115	0.7271	0.1961	0.0110	0.2071		3,223.9253	3,223.9253	0.2048		3,229.0456
Vendor	0.0389	1.3689	0.3854	4.9000e-003	0.1280	1.5400e-003	0.1295	0.0369	1.4700e-003	0.0383		523.7354	523.7354	0.0277		524.4272
Worker	0.5957	0.3580	5.1471	0.0165	1.7884	0.0125	1.8009	0.4743	0.0115	0.4858		1,644.6883	1,644.6883	0.0388		1,645.6592
Total	0.8213	7.9199	7.5078	0.0511	2.6320	0.0255	2.6575	0.7073	0.0239	0.7312		5,392.3490	5,392.3490	0.2713		5,399.1320

3.11 Building Construction - Phases 2 and 3 - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1168	4.1066	1.1563	0.0147	0.3840	4.6200e-003	0.3886	0.1106	4.4100e-003	0.1150		1,571.206 3	1,571.206 3	0.0830		1,573.281 5
Worker	1.1169	0.6713	9.6509	0.0309	3.3533	0.0234	3.3767	0.8893	0.0215	0.9108		3,083.790 5	3,083.790 5	0.0728		3,085.611 0
Total	1.2337	4.7779	10.8072	0.0456	3.7373	0.0280	3.7653	0.9999	0.0259	1.0258		4,654.996 8	4,654.996 8	0.1558		4,658.892 5

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1168	4.1066	1.1563	0.0147	0.3840	4.6200e-003	0.3886	0.1106	4.4100e-003	0.1150		1,571.2063	1,571.2063	0.0830		1,573.2815
Worker	1.1169	0.6713	9.6509	0.0309	3.3533	0.0234	3.3767	0.8893	0.0215	0.9108		3,083.7905	3,083.7905	0.0728		3,085.6110
Total	1.2337	4.7779	10.8072	0.0456	3.7373	0.0280	3.7653	0.9999	0.0259	1.0258		4,654.9968	4,654.9968	0.1558		4,658.8925

3.11 Building Construction - Phases 2 and 3 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1144	4.0964	1.1230	0.0146	0.3840	4.5700e-003	0.3886	0.1106	4.3700e-003	0.1149		1,565.5097	1,565.5097	0.0817		1,567.5526
Worker	1.0570	0.6118	9.0151	0.0299	3.3533	0.0230	3.3763	0.8893	0.0212	0.9105		2,982.6268	2,982.6268	0.0668		2,984.2957
Total	1.1714	4.7082	10.1382	0.0445	3.7373	0.0276	3.7649	0.9999	0.0256	1.0254		4,548.1365	4,548.1365	0.1485		4,551.8483

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1144	4.0964	1.1230	0.0146	0.3840	4.5700e-003	0.3886	0.1106	4.3700e-003	0.1149		1,565.5097	1,565.5097	0.0817		1,567.5526
Worker	1.0570	0.6118	9.0151	0.0299	3.3533	0.0230	3.3763	0.8893	0.0212	0.9105		2,982.6268	2,982.6268	0.0668		2,984.2957
Total	1.1714	4.7082	10.1382	0.0445	3.7373	0.0276	3.7649	0.9999	0.0256	1.0254		4,548.1365	4,548.1365	0.1485		4,551.8483

3.12 Paving - Phases 2 and 3 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0381	1.3655	0.3743	4.8700e-003	0.1280	1.5200e-003	0.1295	0.0369	1.4600e-003	0.0383		521.8366	521.8366	0.0272		522.5175
Worker	0.2819	0.1631	2.4040	7.9800e-003	0.8942	6.1500e-003	0.9004	0.2372	5.6600e-003	0.2428		795.3672	795.3672	0.0178		795.8122
Total	0.3200	1.5286	2.7784	0.0129	1.0222	7.6700e-003	1.0299	0.2740	7.1200e-003	0.2811		1,317.203 7	1,317.203 7	0.0450		1,318.329 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0381	1.3655	0.3743	4.8700e-003	0.1280	1.5200e-003	0.1295	0.0369	1.4600e-003	0.0383		521.8366	521.8366	0.0272		522.5175
Worker	0.2819	0.1631	2.4040	7.9800e-003	0.8942	6.1500e-003	0.9004	0.2372	5.6600e-003	0.2428		795.3672	795.3672	0.0178		795.8122
Total	0.3200	1.5286	2.7784	0.0129	1.0222	7.6700e-003	1.0299	0.2740	7.1200e-003	0.2811		1,317.203 7	1,317.203 7	0.0450		1,318.329 7

3.13 Architectural Coating - Phases 2 and 3 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	46.9894	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0762	2.7310	0.7487	9.7500e-003	0.2560	3.0500e-003	0.2591	0.0737	2.9100e-003	0.0766		1,043.6731	1,043.6731	0.0545		1,045.0350
Worker	0.8456	0.4894	7.2121	0.0239	2.6826	0.0184	2.7011	0.7115	0.0170	0.7284		2,386.1015	2,386.1015	0.0534		2,387.4366
Total	0.9218	3.2204	7.9608	0.0337	2.9386	0.0215	2.9601	0.7852	0.0199	0.8050		3,429.7746	3,429.7746	0.1079		3,432.4716

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	46.9894	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0762	2.7310	0.7487	9.7500e-003	0.2560	3.0500e-003	0.2591	0.0737	2.9100e-003	0.0766		1,043.6731	1,043.6731	0.0545		1,045.0350
Worker	0.8456	0.4894	7.2121	0.0239	2.6826	0.0184	2.7011	0.7115	0.0170	0.7284		2,386.1015	2,386.1015	0.0534		2,387.4366
Total	0.9218	3.2204	7.9608	0.0337	2.9386	0.0215	2.9601	0.7852	0.0199	0.8050		3,429.7746	3,429.7746	0.1079		3,432.4716

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.1179	13.8852	29.8334	0.1172	9.9148	0.0834	9.9981	2.6523	0.0774	2.7297		11,980.0439	11,980.0439	0.5511		11,993.8223
Unmitigated	3.4983	15.8191	40.1391	0.1645	14.4530	0.1148	14.5678	3.8663	0.1066	3.9729		16,805.4458	16,805.4458	0.7298		16,823.6902

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,357.08	1,304.48	1196.65	4,525,812	3,104,707
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	887.00	1,104.78	919.71	1,257,600	862,714
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	262.00	306.60	154.83	547,329	375,467
Total	2,506.08	2,715.86	2,271.19	6,330,741	4,342,888

4.3 Trip Type Information

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.00	19.40	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
Enclosed Parking with Elevator	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
High Turnover (Sit Down Restaurant)	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
Other Asphalt Surfaces	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
Regional Shopping Center	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6560	1,256.6560	0.0241	0.0230	1,264.1236
NaturalGas Unmitigated	0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6560	1,256.6560	0.0241	0.0230	1,264.1236

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8021.06	0.0865	0.7392	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.6542	943.6542	0.0181	0.0173	949.2618
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2620.72	0.0283	0.2569	0.2158	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.3194	308.3194	5.9100e-003	5.6500e-003	310.1516
Other Asphalt Surfaces	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
Regional Shopping Center	39.8	4.3000e-004	3.9000e-003	3.2800e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		4.6824	4.6824	9.0000e-005	9.0000e-005	4.7102
Total		0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6559	1,256.6559	0.0241	0.0230	1,264.1236

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.02106	0.0865	0.7392	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.6542	943.6542	0.0181	0.0173	949.2618
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.62072	0.0283	0.2569	0.2158	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.3194	308.3194	5.9100e-003	5.6500e-003	310.1516
Other Asphalt Surfaces	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
Regional Shopping Center	0.0398	4.3000e-004	3.9000e-003	3.2800e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		4.6824	4.6824	9.0000e-005	9.0000e-005	4.7102
Total		0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6559	1,256.6559	0.0241	0.0230	1,264.1236

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.2348	4.1818	23.4303	0.0263		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0649	5,058.0649	0.1341	0.0920	5,088.8358
Unmitigated	8.2348	4.1818	23.4303	0.0263		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0649	5,058.0649	0.1341	0.0920	5,088.8358

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5559					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4601	3.9314	1.6729	0.0251		0.3179	0.3179		0.3179	0.3179	0.0000	5,018.8235	5,018.8235	0.0962	0.0920	5,048.6479
Landscaping	0.6582	0.2504	21.7574	1.1500e-003		0.1206	0.1206		0.1206	0.1206		39.2414	39.2414	0.0379		40.1879
Total	8.2348	4.1818	23.4303	0.0262		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0650	5,058.0650	0.1341	0.0920	5,088.8358

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5559					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4601	3.9314	1.6729	0.0251		0.3179	0.3179		0.3179	0.3179	0.0000	5,018.8235	5,018.8235	0.0962	0.0920	5,048.6479
Landscaping	0.6582	0.2504	21.7574	1.1500e-003		0.1206	0.1206		0.1206	0.1206		39.2414	39.2414	0.0379		40.1879
Total	8.2348	4.1818	23.4303	0.0262		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0650	5,058.0650	0.1341	0.0920	5,088.8358

CalEEMod Version: CalEEMod.2016.3.2

Date: 12/8/2020 12:09 PM

Pacific Coast Commons Specific Plan Project
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	763.00	Space	0.00	305,200.00	0
Other Asphalt Surfaces	12.65	1000sqft	0.00	12,650.00	0
High Turnover (Sit Down Restaurant)	3.70	1000sqft	0.00	3,700.00	0
Apartments Mid Rise	263.00	Dwelling Unit	0.00	314,659.00	752
Regional Shopping Center	7.30	1000sqft	5.35	7,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	561.77	CH4 Intensity (lb/MW hr)	0.02	N2O Intensity (lb/MW hr)	0.005

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PCC SP. SCAQMD. Adjusted to meet 36.5% RPS (SCE 2018 Sustainability Report).

Land Use - Updated land use assumptions per applicant.

Construction Phase - Updated construction schedule per applicant.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Default equipment assumed.

Trips and VMT - Updated per applicant.

Demolition - Phase 1: 41,660 SF of building demo, Phases 2 and 3: 1,938.785 tons of pavement demo.

Grading - 17,000 CY of soil export during Phase 2.

Architectural Coating - Use of low-VOC (50 g/L). Updated SF per phase.

Vehicle Trips - Adjusted trip gen rates per TIA (Fehr and Peers 2020).

Woodstoves - Assume no wood burning devices.

Area Coating - Use of low-VOC arch coating (50 g/L).

Energy Use - Assume compliance with 2019 Title 24 Standards.

Water And Wastewater - Assume 100% aerobic.

Construction Off-road Equipment Mitigation - Water three times daily and replace ground cover.

Mobile Land Use Mitigation - Increase transit accessibility (0.2 miles) and improve pedestrian network.

Water Mitigation - Reduce water consumption by 20% per CalGreen.

Waste Mitigation - Assume 50% waste disposed per AB 939.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	5,500.00	1,400.00
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	5,500.00	4,100.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	16,500.00	4,200.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	16,500.00	12,300.00
tblArchitecturalCoating	ConstArea_Parking	19,071.00	180.00
tblArchitecturalCoating	ConstArea_Parking	19,071.00	1,779.00

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tblArchitecturalCoating	ConstArea_Residential_Exterior	212,395.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Exterior	212,395.00	212,213.00
tblArchitecturalCoating	ConstArea_Residential_Interior	637,184.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	637,184.00	636,338.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaCoating	Area_Parking	19071	1959
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	230.00	262.00
tblConstructionPhase	NumDays	230.00	195.00
tblConstructionPhase	NumDays	20.00	21.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	20.00	43.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	10.00	22.00
tblConstructionPhase	NumDays	10.00	22.00
tblEnergyUse	T24E	179.76	176.16
tblEnergyUse	T24E	3.92	3.50
tblEnergyUse	T24E	8.71	7.78
tblEnergyUse	T24E	2.93	2.62
tblEnergyUse	T24NG	5,911.46	5,615.89
tblEnergyUse	T24NG	78.56	77.77
tblEnergyUse	T24NG	0.95	0.94
tblFireplaces	FireplaceDayYear	25.00	0.00

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tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	223.55	237.00
tblFireplaces	NumberNoFireplace	26.30	26.00
tblFireplaces	NumberWood	13.15	0.00
tblGrading	AcresOfGrading	21.50	0.74
tblGrading	AcresOfGrading	21.00	3.14
tblGrading	MaterialExported	0.00	17,000.00
tblGrading	MaterialMoistureContentBulldozing	7.90	17.00
tblGrading	MaterialMoistureContentBulldozing	7.90	17.00
tblGrading	MaterialMoistureContentBulldozing	7.90	17.00
tblGrading	MaterialSiltContent	6.90	3.30
tblGrading	MaterialSiltContent	6.90	3.30
tblGrading	MaterialSiltContent	6.90	3.30
tblGrading	MaterialSiltContent	6.90	3.30
tblLandUse	LandUseSquareFeet	263,000.00	314,659.00
tblLandUse	LotAcreage	6.87	0.00
tblLandUse	LotAcreage	0.29	0.00
tblLandUse	LotAcreage	0.08	0.00
tblLandUse	LotAcreage	6.92	0.00
tblLandUse	LotAcreage	0.17	5.35
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	702.44	561.77
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.005
tblTripsAndVMT	HaulingTripNumber	189.00	200.00
tblTripsAndVMT	HaulingTripNumber	192.00	200.00
tblTripsAndVMT	HaulingTripNumber	2,125.00	1,720.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	82.00	60.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00

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tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	82.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	80.00
tblTripsAndVMT	WorkerTripNumber	327.00	300.00
tblTripsAndVMT	WorkerTripNumber	15.00	80.00
tblTripsAndVMT	WorkerTripNumber	65.00	240.00
tblTripsAndVMT	WorkerTripNumber	18.00	50.00
tblTripsAndVMT	WorkerTripNumber	15.00	80.00
tblTripsAndVMT	WorkerTripNumber	327.00	120.00
tblTripsAndVMT	WorkerTripNumber	15.00	40.00
tblTripsAndVMT	WorkerTripNumber	65.00	80.00
tblTripsAndVMT	WorkerTripNumber	15.00	100.00
tblTripsAndVMT	WorkerTripNumber	18.00	120.00
tblTripsAndVMT	WorkerTripNumber	15.00	160.00
tblVehicleTrips	HS_TTP	19.20	19.40
tblVehicleTrips	HW_TTP	40.20	40.00
tblVehicleTrips	ST_TR	6.39	4.96
tblVehicleTrips	ST_TR	158.37	298.59
tblVehicleTrips	ST_TR	49.97	42.00
tblVehicleTrips	SU_TR	5.86	4.55
tblVehicleTrips	SU_TR	131.84	248.57
tblVehicleTrips	SU_TR	25.24	21.21
tblVehicleTrips	WD_TR	6.65	5.16
tblVehicleTrips	WD_TR	127.15	239.73
tblVehicleTrips	WD_TR	42.70	35.89
tblWater	AerobicPercent	87.46	100.00

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tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.1481	41.5977	25.3274	0.0593	3.1414	2.0506	4.7171	1.6799	1.8866	3.5665	0.0000	5,881.003 7	5,881.003 7	1.2236	0.0000	5,910.189 6
2022	2.3231	21.9734	20.8622	0.0463	1.6418	0.9490	2.5908	0.7505	0.8731	1.6236	0.0000	4,539.160 1	4,539.160 1	0.9660	0.0000	4,556.487 8
2023	3.1913	29.1780	26.1545	0.0790	4.7489	1.2770	5.5496	2.0888	1.1749	3.0807	0.0000	8,083.696 3	8,083.696 3	1.2491	0.0000	8,113.860 2
2024	49.3404	18.1841	26.2624	0.0698	3.9608	0.6411	4.5196	1.0592	0.6027	1.6025	0.0000	6,984.766 5	6,984.766 5	0.8830	0.0000	7,006.840 8
Maximum	49.3404	41.5977	26.2624	0.0790	4.7489	2.0506	5.5496	2.0888	1.8866	3.5665	0.0000	8,083.696 3	8,083.696 3	1.2491	0.0000	8,113.860 2

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.1481	41.5977	25.3274	0.0593	1.9121	2.0506	3.4816	0.7273	1.8866	2.6139	0.0000	5,881.003 7	5,881.003 7	1.2236	0.0000	5,910.189 6
2022	2.3231	21.9734	20.8622	0.0463	1.5333	0.9490	2.3571	0.4389	0.8731	1.3120	0.0000	4,539.160 1	4,539.160 1	0.9660	0.0000	4,556.487 8
2023	3.1913	29.1780	26.1545	0.0790	3.7373	1.2770	4.4652	1.2191	1.1749	2.1281	0.0000	8,083.696 2	8,083.696 2	1.2491	0.0000	8,113.860 2
2024	49.3404	18.1841	26.2624	0.0698	3.9608	0.6411	4.5196	1.0592	0.6027	1.6025	0.0000	6,984.766 5	6,984.766 5	0.8830	0.0000	7,006.840 8
Maximum	49.3404	41.5977	26.2624	0.0790	3.9608	2.0506	4.5196	1.2191	1.8866	2.6139	0.0000	8,083.696 2	8,083.696 2	1.2491	0.0000	8,113.860 2

	ROG	NOx	CO	SO2	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	0.00	0.00	0.00	0.00	17.41	0.00	14.70	38.25	0.00	22.45	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.2348	4.1818	23.4303	0.0263		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0649	5,058.0649	0.1341	0.0920	5,088.8358
Energy	0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6560	1,256.6560	0.0241	0.0230	1,264.1236
Mobile	3.2990	15.9873	37.8987	0.1557	14.4530	0.1154	14.5684	3.8663	0.1072	3.9735		15,912.7436	15,912.7436	0.7353		15,931.1255
Total	11.6490	21.1692	61.8627	0.1882	14.4530	0.6334	15.0864	3.8663	0.6252	4.4915	0.0000	22,227.4645	22,227.4645	0.8934	0.1151	22,284.0850

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.2348	4.1818	23.4303	0.0263		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0649	5,058.0649	0.1341	0.0920	5,088.8358
Energy	0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6560	1,256.6560	0.0241	0.0230	1,264.1236
Mobile	2.9288	13.9389	28.7378	0.1107	9.9148	0.0840	9.9987	2.6523	0.0780	2.7303		11,322.4470	11,322.4470	0.5615		11,336.4844
Total	11.2788	19.1208	52.7017	0.1432	9.9148	0.6020	10.5168	2.6523	0.5960	3.2483	0.0000	17,637.1679	17,637.1679	0.7196	0.1151	17,689.4438

	ROG	NOx	CO	SO2	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	3.18	9.68	14.81	23.91	31.40	4.96	30.29	31.40	4.67	27.68	0.00	20.65	20.65	19.45	0.00	20.62

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition - Phase 1	Demolition	10/1/2021	10/31/2021	5	21	
2	Site Preparation - Phase 1	Site Preparation	11/1/2021	11/30/2021	5	22	
3	Grading - Phase 1	Grading	12/1/2021	1/31/2022	5	44	
4	Building Construction - Phase 1	Building Construction	2/1/2022	10/31/2022	5	195	
5	Paving - Phase 1	Paving	11/1/2022	12/31/2022	5	44	
6	Architectural Coating - Phase 1	Architectural Coating	11/1/2022	12/31/2022	5	44	
7	Demolition - Phases 2 and 3	Demolition	1/1/2023	2/28/2023	5	42	
8	Site Preparation - Phases 2 and 3	Site Preparation	3/1/2023	3/30/2023	5	22	
9	Grading - Phases 2 and 3	Grading	4/1/2023	5/30/2023	5	42	
10	Building Construction - Phases 2 and 3	Building Construction	6/1/2023	5/31/2024	5	262	
11	Paving - Phases 2 and 3	Paving	6/1/2024	7/31/2024	5	43	
12	Architectural Coating - Phases 2 and 3	Architectural Coating	6/1/2024	7/31/2024	5	43	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,200; Non-Residential Outdoor: 1,400; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition - Phase 1	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - Phase 1	Excavators	3	8.00	158	0.38
Demolition - Phase 1	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation - Phase 1	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phase 1	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phase 1	Excavators	1	8.00	158	0.38
Grading - Phase 1	Graders	1	8.00	187	0.41
Grading - Phase 1	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phase 1	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction - Phase 1	Cranes	1	7.00	231	0.29
Building Construction - Phase 1	Forklifts	3	8.00	89	0.20
Building Construction - Phase 1	Generator Sets	1	8.00	84	0.74
Building Construction - Phase 1	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phase 1	Welders	1	8.00	46	0.45
Paving - Phase 1	Pavers	2	8.00	130	0.42
Paving - Phase 1	Paving Equipment	2	8.00	132	0.36
Paving - Phase 1	Rollers	2	8.00	80	0.38
Architectural Coating - Phase 1	Air Compressors	1	6.00	78	0.48
Demolition - Phases 2 and 3	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition - Phases 2 and 3	Excavators	3	8.00	158	0.38
Demolition - Phases 2 and 3	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation - Phases 2 and 3	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation - Phases 2 and 3	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Phases 2 and 3	Excavators	1	8.00	158	0.38
Grading - Phases 2 and 3	Graders	1	8.00	187	0.41
Grading - Phases 2 and 3	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Phases 2 and 3	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction - Phases 2 and 3	Cranes	1	7.00	231	0.29

Pacific Coast Commons Specific Plan Project - South Coast AQMD Air District, Winter

Building Construction - Phases 2 and 3	Forklifts	3	8.00	89	0.20
Building Construction - Phases 2 and 3	Generator Sets	1	8.00	84	0.74
Building Construction - Phases 2 and 3	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction - Phases 2 and 3	Welders	1	8.00	46	0.45
Paving - Phases 2 and 3	Pavers	2	8.00	130	0.42
Paving - Phases 2 and 3	Paving Equipment	2	8.00	132	0.36
Paving - Phases 2 and 3	Rollers	2	8.00	80	0.38
Architectural Coating - Phases 2 and 3	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition - Phase 1	6	80.00	20.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phase 1	7	50.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phase 1	6	80.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phase 1	9	120.00	30.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phase 1	6	40.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phase 1	1	80.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition - Phases 2 and 3	6	100.00	40.00	200.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation - Phases 2 and 3	7	120.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Phases 2 and 3	6	160.00	20.00	1,720.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction - Phases 2 and 3	9	300.00	60.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Phases 2 and 3	6	80.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating - Phases 2 and 3	1	240.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

3.2 Demolition - Phase 1 - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9528	0.0000	1.9528	0.2957	0.0000	0.2957			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	1.9528	1.5513	3.5041	0.2957	1.4411	1.7368		3,747.9449	3,747.9449	1.0549		3,774.3174

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0711	2.4381	0.5475	7.1600e-003	0.1664	7.5800e-003	0.1740	0.0456	7.2500e-003	0.0529		775.4241	775.4241	0.0549		776.7974
Vendor	0.0586	1.9015	0.5065	4.9600e-003	0.1280	3.9600e-003	0.1320	0.0369	3.7900e-003	0.0406		529.1004	529.1004	0.0354		529.9854
Worker	0.3690	0.2398	2.7083	8.3100e-003	0.8942	6.5800e-003	0.9008	0.2372	6.0600e-003	0.2432		828.5343	828.5343	0.0222		829.0894
Total	0.4986	4.5793	3.7624	0.0204	1.1886	0.0181	1.2068	0.3196	0.0171	0.3367		2,133.0588	2,133.0588	0.1125		2,135.8723

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7235	0.0000	0.7235	0.1095	0.0000	0.1095			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.7235	1.5513	2.2748	0.1095	1.4411	1.5506	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0711	2.4381	0.5475	7.1600e-003	0.1664	7.5800e-003	0.1740	0.0456	7.2500e-003	0.0529		775.4241	775.4241	0.0549		776.7974
Vendor	0.0586	1.9015	0.5065	4.9600e-003	0.1280	3.9600e-003	0.1320	0.0369	3.7900e-003	0.0406		529.1004	529.1004	0.0354		529.9854
Worker	0.3690	0.2398	2.7083	8.3100e-003	0.8942	6.5800e-003	0.9008	0.2372	6.0600e-003	0.2432		828.5343	828.5343	0.0222		829.0894
Total	0.4986	4.5793	3.7624	0.0204	1.1886	0.0181	1.2068	0.3196	0.0171	0.3367		2,133.0588	2,133.0588	0.1125		2,135.8723

3.3 Site Preparation - Phase 1 - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0437	0.0000	2.0437	1.5132	0.0000	1.5132			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	2.0437	2.0445	4.0882	1.5132	1.8809	3.3941		3,685.6569	3,685.6569	1.1920		3,715.4573

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0293	0.9507	0.2533	2.4800e-003	0.0640	1.9800e-003	0.0660	0.0184	1.9000e-003	0.0203		264.5502	264.5502	0.0177		264.9927
Worker	0.2306	0.1498	1.6927	5.2000e-003	0.5589	4.1100e-003	0.5630	0.1482	3.7900e-003	0.1520		517.8339	517.8339	0.0139		518.1809
Total	0.2599	1.1006	1.9460	7.6800e-003	0.6229	6.0900e-003	0.6290	0.1667	5.6900e-003	0.1723		782.3841	782.3841	0.0316		783.1736

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7572	0.0000	0.7572	0.5607	0.0000	0.5607			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	0.7572	2.0445	2.8017	0.5607	1.8809	2.4416	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0293	0.9507	0.2533	2.4800e-003	0.0640	1.9800e-003	0.0660	0.0184	1.9000e-003	0.0203		264.5502	264.5502	0.0177		264.9927
Worker	0.2306	0.1498	1.6927	5.2000e-003	0.5589	4.1100e-003	0.5630	0.1482	3.7900e-003	0.1520		517.8339	517.8339	0.0139		518.1809
Total	0.2599	1.1006	1.9460	7.6800e-003	0.6229	6.0900e-003	0.6290	0.1667	5.6900e-003	0.1723		782.3841	782.3841	0.0316		783.1736

3.4 Grading - Phase 1 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6836	0.0000	0.6836	0.4949	0.0000	0.4949			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	0.6836	1.1599	1.8435	0.4949	1.0671	1.5620		2,871.9285	2,871.9285	0.9288		2,895.1495

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0293	0.9507	0.2533	2.4800e-003	0.0640	1.9800e-003	0.0660	0.0184	1.9000e-003	0.0203		264.5502	264.5502	0.0177		264.9927
Worker	0.3690	0.2398	2.7083	8.3100e-003	0.8942	6.5800e-003	0.9008	0.2372	6.0600e-003	0.2432		828.5343	828.5343	0.0222		829.0894
Total	0.3982	1.1905	2.9616	0.0108	0.9582	8.5600e-003	0.9668	0.2556	7.9600e-003	0.2635		1,093.0845	1,093.0845	0.0399		1,094.0821

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2533	0.0000	0.2533	0.1834	0.0000	0.1834			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	0.2533	1.1599	1.4132	0.1834	1.0671	1.2505	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0293	0.9507	0.2533	2.4800e-003	0.0640	1.9800e-003	0.0660	0.0184	1.9000e-003	0.0203		264.5502	264.5502	0.0177		264.9927
Worker	0.3690	0.2398	2.7083	8.3100e-003	0.8942	6.5800e-003	0.9008	0.2372	6.0600e-003	0.2432		828.5343	828.5343	0.0222		829.0894
Total	0.3982	1.1905	2.9616	0.0108	0.9582	8.5600e-003	0.9668	0.2556	7.9600e-003	0.2635		1,093.0845	1,093.0845	0.0399		1,094.0821

3.4 Grading - Phase 1 - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6836	0.0000	0.6836	0.4949	0.0000	0.4949			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	0.6836	0.9409	1.6244	0.4949	0.8656	1.3605		2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0275	0.9017	0.2395	2.4500e-003	0.0640	1.7200e-003	0.0657	0.0184	1.6400e-003	0.0201		262.1942	262.1942	0.0170		262.6199
Worker	0.3470	0.2165	2.4998	8.0100e-003	0.8942	6.3900e-003	0.9006	0.2372	5.8900e-003	0.2430		798.8292	798.8292	0.0201		799.3305
Total	0.3745	1.1182	2.7393	0.0105	0.9582	8.1100e-003	0.9663	0.2556	7.5300e-003	0.2631		1,061.023 4	1,061.023 4	0.0371		1,061.950 4

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2533	0.0000	0.2533	0.1834	0.0000	0.1834			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	0.2533	0.9409	1.1941	0.1834	0.8656	1.0489	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0275	0.9017	0.2395	2.4500e-003	0.0640	1.7200e-003	0.0657	0.0184	1.6400e-003	0.0201		262.1942	262.1942	0.0170		262.6199
Worker	0.3470	0.2165	2.4998	8.0100e-003	0.8942	6.3900e-003	0.9006	0.2372	5.8900e-003	0.2430		798.8292	798.8292	0.0201		799.3305
Total	0.3745	1.1182	2.7393	0.0105	0.9582	8.1100e-003	0.9663	0.2556	7.5300e-003	0.2631		1,061.023 4	1,061.023 4	0.0371		1,061.950 4

3.5 Building Construction - Phase 1 - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0824	2.7052	0.7185	7.3600e-003	0.1920	5.1600e-003	0.1972	0.0553	4.9300e-003	0.0602		786.5827	786.5827	0.0511		787.8598
Worker	0.5205	0.3248	3.7497	0.0120	1.3413	9.5900e-003	1.3509	0.3557	8.8300e-003	0.3646		1,198.2438	1,198.2438	0.0301		1,198.9958
Total	0.6029	3.0299	4.4682	0.0194	1.5333	0.0148	1.5481	0.4110	0.0138	0.4248		1,984.8265	1,984.8265	0.0812		1,986.8556

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0824	2.7052	0.7185	7.3600e-003	0.1920	5.1600e-003	0.1972	0.0553	4.9300e-003	0.0602		786.5827	786.5827	0.0511		787.8598
Worker	0.5205	0.3248	3.7497	0.0120	1.3413	9.5900e-003	1.3509	0.3557	8.8300e-003	0.3646		1,198.2438	1,198.2438	0.0301		1,198.9958
Total	0.6029	3.0299	4.4682	0.0194	1.5333	0.0148	1.5481	0.4110	0.0138	0.4248		1,984.8265	1,984.8265	0.0812		1,986.8556

3.6 Paving - Phase 1 - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0275	0.9017	0.2395	2.4500e-003	0.0640	1.7200e-003	0.0657	0.0184	1.6400e-003	0.0201		262.1942	262.1942	0.0170		262.6199
Worker	0.1735	0.1083	1.2499	4.0100e-003	0.4471	3.2000e-003	0.4503	0.1186	2.9400e-003	0.1215		399.4146	399.4146	0.0100		399.6653
Total	0.2010	1.0100	1.4894	6.4600e-003	0.5111	4.9200e-003	0.5160	0.1370	4.5800e-003	0.1416		661.6088	661.6088	0.0271		662.2852

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0275	0.9017	0.2395	2.4500e-003	0.0640	1.7200e-003	0.0657	0.0184	1.6400e-003	0.0201		262.1942	262.1942	0.0170		262.6199
Worker	0.1735	0.1083	1.2499	4.0100e-003	0.4471	3.2000e-003	0.4503	0.1186	2.9400e-003	0.1215		399.4146	399.4146	0.0100		399.6653
Total	0.2010	1.0100	1.4894	6.4600e-003	0.5111	4.9200e-003	0.5160	0.1370	4.5800e-003	0.1416		661.6088	661.6088	0.0271		662.2852

3.7 Architectural Coating - Phase 1 - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3139					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	0.5185	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0550	1.8034	0.4790	4.9100e-003	0.1280	3.4400e-003	0.1314	0.0369	3.2900e-003	0.0401		524.3885	524.3885	0.0341		525.2399
Worker	0.3470	0.2165	2.4998	8.0100e-003	0.8942	6.3900e-003	0.9006	0.2372	5.8900e-003	0.2430		798.8292	798.8292	0.0201		799.3305
Total	0.4019	2.0199	2.9788	0.0129	1.0222	9.8300e-003	1.0321	0.2740	9.1800e-003	0.2832		1,323.2177	1,323.2177	0.0541		1,324.5704

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3139					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	0.5185	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0550	1.8034	0.4790	4.9100e-003	0.1280	3.4400e-003	0.1314	0.0369	3.2900e-003	0.0401		524.3885	524.3885	0.0341		525.2399
Worker	0.3470	0.2165	2.4998	8.0100e-003	0.8942	6.3900e-003	0.9006	0.2372	5.8900e-003	0.2430		798.8292	798.8292	0.0201		799.3305
Total	0.4019	2.0199	2.9788	0.0129	1.0222	9.8300e-003	1.0321	0.2740	9.1800e-003	0.2832		1,323.2177	1,323.2177	0.0541		1,324.5704

3.8 Demolition - Phases 2 and 3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9878	0.0000	0.9878	0.1496	0.0000	0.1496			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.9878	0.9975	1.9854	0.1496	0.9280	1.0776		3,746.9840	3,746.9840	1.0494		3,773.2183

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0223	0.7235	0.2417	3.3900e-003	0.0832	1.3700e-003	0.0846	0.0228	1.3100e-003	0.0241		367.9311	367.9311	0.0246		368.5470
Vendor	0.0820	2.7202	0.8471	9.5100e-003	0.2560	3.2300e-003	0.2592	0.0737	3.0900e-003	0.0768		1,017.4466	1,017.4466	0.0590		1,018.9209
Worker	0.4091	0.2448	2.8799	9.6400e-003	1.1178	7.7800e-003	1.1256	0.2964	7.1700e-003	0.3036		961.2964	961.2964	0.0226		961.8610
Total	0.5134	3.6885	3.9687	0.0225	1.4570	0.0124	1.4694	0.3929	0.0116	0.4045		2,346.6742	2,346.6742	0.1062		2,349.3289

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3660	0.0000	0.3660	0.0554	0.0000	0.0554			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.3660	0.9975	1.3635	0.0554	0.9280	0.9834	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0223	0.7235	0.2417	3.3900e-003	0.0832	1.3700e-003	0.0846	0.0228	1.3100e-003	0.0241		367.9311	367.9311	0.0246		368.5470
Vendor	0.0820	2.7202	0.8471	9.5100e-003	0.2560	3.2300e-003	0.2592	0.0737	3.0900e-003	0.0768		1,017.4466	1,017.4466	0.0590		1,018.9209
Worker	0.4091	0.2448	2.8799	9.6400e-003	1.1178	7.7800e-003	1.1256	0.2964	7.1700e-003	0.3036		961.2964	961.2964	0.0226		961.8610
Total	0.5134	3.6885	3.9687	0.0225	1.4570	0.0124	1.4694	0.3929	0.0116	0.4045		2,346.6742	2,346.6742	0.1062		2,349.3289

3.9 Site Preparation - Phases 2 and 3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0437	0.0000	2.0437	1.5132	0.0000	1.5132			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	2.0437	1.2660	3.3097	1.5132	1.1647	2.6780		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0410	1.3601	0.4235	4.7600e-003	0.1280	1.6100e-003	0.1296	0.0369	1.5400e-003	0.0384		508.7233	508.7233	0.0295		509.4604
Worker	0.4909	0.2938	3.4559	0.0116	1.3413	9.3400e-003	1.3507	0.3557	8.6000e-003	0.3643		1,153.555 7	1,153.555 7	0.0271		1,154.233 2
Total	0.5319	1.6538	3.8795	0.0163	1.4693	0.0110	1.4803	0.3926	0.0101	0.4027		1,662.279 0	1,662.279 0	0.0566		1,663.693 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7572	0.0000	0.7572	0.5607	0.0000	0.5607			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	0.7572	1.2660	2.0232	0.5607	1.1647	1.7254	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0410	1.3601	0.4235	4.7600e-003	0.1280	1.6100e-003	0.1296	0.0369	1.5400e-003	0.0384		508.7233	508.7233	0.0295		509.4604
Worker	0.4909	0.2938	3.4559	0.0116	1.3413	9.3400e-003	1.3507	0.3557	8.6000e-003	0.3643		1,153.5557	1,153.5557	0.0271		1,154.2332
Total	0.5319	1.6538	3.8795	0.0163	1.4693	0.0110	1.4803	0.3926	0.0101	0.4027		1,662.2790	1,662.2790	0.0566		1,663.6936

3.10 Grading - Phases 2 and 3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1169	0.0000	2.1169	1.3815	0.0000	1.3815			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	2.1169	0.7749	2.8918	1.3815	0.7129	2.0944		2,872.6910	2,872.6910	0.9291		2,895.9182

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1922	6.2221	2.0784	0.0291	0.7156	0.0118	0.7274	0.1961	0.0113	0.2074		3,164.2077	3,164.2077	0.2119		3,169.5040
Vendor	0.0410	1.3601	0.4235	4.7600e-003	0.1280	1.6100e-003	0.1296	0.0369	1.5400e-003	0.0384		508.7233	508.7233	0.0295		509.4604
Worker	0.6545	0.3917	4.6079	0.0154	1.7884	0.0125	1.8009	0.4743	0.0115	0.4858		1,538.0743	1,538.0743	0.0361		1,538.9776
Total	0.8877	7.9738	7.1098	0.0493	2.6320	0.0259	2.6579	0.7073	0.0243	0.7315		5,211.0053	5,211.0053	0.2775		5,217.9421

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7843	0.0000	0.7843	0.5119	0.0000	0.5119			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	0.7843	0.7749	1.5592	0.5119	0.7129	1.2248	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1922	6.2221	2.0784	0.0291	0.7156	0.0118	0.7274	0.1961	0.0113	0.2074		3,164.2077	3,164.2077	0.2119		3,169.5040
Vendor	0.0410	1.3601	0.4235	4.7600e-003	0.1280	1.6100e-003	0.1296	0.0369	1.5400e-003	0.0384		508.7233	508.7233	0.0295		509.4604
Worker	0.6545	0.3917	4.6079	0.0154	1.7884	0.0125	1.8009	0.4743	0.0115	0.4858		1,538.0743	1,538.0743	0.0361		1,538.9776
Total	0.8877	7.9738	7.1098	0.0493	2.6320	0.0259	2.6579	0.7073	0.0243	0.7315		5,211.0053	5,211.0053	0.2775		5,217.9421

3.11 Building Construction - Phases 2 and 3 - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1231	4.0803	1.2706	0.0143	0.3840	4.8400e-003	0.3889	0.1106	4.6300e-003	0.1152		1,526.169 9	1,526.169 9	0.0885		1,528.381 3
Worker	1.2272	0.7344	8.6398	0.0289	3.3533	0.0234	3.3767	0.8893	0.0215	0.9108		2,883.889 3	2,883.889 3	0.0678		2,885.583 0
Total	1.3502	4.8146	9.9105	0.0432	3.7373	0.0282	3.7655	0.9999	0.0261	1.0260		4,410.059 2	4,410.059 2	0.1562		4,413.964 3

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1231	4.0803	1.2706	0.0143	0.3840	4.8400e-003	0.3889	0.1106	4.6300e-003	0.1152		1,526.1699	1,526.1699	0.0885		1,528.3813
Worker	1.2272	0.7344	8.6398	0.0289	3.3533	0.0234	3.3767	0.8893	0.0215	0.9108		2,883.8893	2,883.8893	0.0678		2,885.5830
Total	1.3502	4.8146	9.9105	0.0432	3.7373	0.0282	3.7655	0.9999	0.0261	1.0260		4,410.0592	4,410.0592	0.1562		4,413.9643

3.11 Building Construction - Phases 2 and 3 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1204	4.0714	1.2342	0.0142	0.3840	4.7700e-003	0.3888	0.1106	4.5600e-003	0.1151		1,520.9792	1,520.9792	0.0870		1,523.1541
Worker	1.1649	0.6690	8.0553	0.0280	3.3533	0.0230	3.3763	0.8893	0.0212	0.9105		2,788.8676	2,788.8676	0.0620		2,790.4183
Total	1.2853	4.7403	9.2895	0.0422	3.7373	0.0278	3.7651	0.9999	0.0258	1.0256		4,309.8468	4,309.8468	0.1490		4,313.5724

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1204	4.0714	1.2342	0.0142	0.3840	4.7700e-003	0.3888	0.1106	4.5600e-003	0.1151		1,520.9792	1,520.9792	0.0870		1,523.1541
Worker	1.1649	0.6690	8.0553	0.0280	3.3533	0.0230	3.3763	0.8893	0.0212	0.9105		2,788.8676	2,788.8676	0.0620		2,790.4183
Total	1.2853	4.7403	9.2895	0.0422	3.7373	0.0278	3.7651	0.9999	0.0258	1.0256		4,309.8468	4,309.8468	0.1490		4,313.5724

3.12 Paving - Phases 2 and 3 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0401	1.3571	0.4114	4.7400e-003	0.1280	1.5900e-003	0.1296	0.0369	1.5200e-003	0.0384		506.9931	506.9931	0.0290		507.7180
Worker	0.3106	0.1784	2.1481	7.4600e-003	0.8942	6.1500e-003	0.9004	0.2372	5.6600e-003	0.2428		743.6980	743.6980	0.0165		744.1115
Total	0.3508	1.5355	2.5595	0.0122	1.0222	7.7400e-003	1.0300	0.2740	7.1800e-003	0.2812		1,250.691 1	1,250.691 1	0.0455		1,251.829 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0401	1.3571	0.4114	4.7400e-003	0.1280	1.5900e-003	0.1296	0.0369	1.5200e-003	0.0384		506.9931	506.9931	0.0290		507.7180
Worker	0.3106	0.1784	2.1481	7.4600e-003	0.8942	6.1500e-003	0.9004	0.2372	5.6600e-003	0.2428		743.6980	743.6980	0.0165		744.1115
Total	0.3508	1.5355	2.5595	0.0122	1.0222	7.7400e-003	1.0300	0.2740	7.1800e-003	0.2812		1,250.691 1	1,250.691 1	0.0455		1,251.829 6

3.13 Architectural Coating - Phases 2 and 3 - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	46.9894	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0803	2.7142	0.8228	9.4800e-003	0.2560	3.1800e-003	0.2592	0.0737	3.0400e-003	0.0767		1,013.9861	1,013.9861	0.0580		1,015.4361
Worker	0.9319	0.5352	6.4443	0.0224	2.6826	0.0184	2.7011	0.7115	0.0170	0.7284		2,231.0941	2,231.0941	0.0496		2,232.3346
Total	1.0122	3.2494	7.2671	0.0319	2.9386	0.0216	2.9603	0.7852	0.0200	0.8052		3,245.0802	3,245.0802	0.1076		3,247.7707

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	46.8086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	46.9894	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0803	2.7142	0.8228	9.4800e-003	0.2560	3.1800e-003	0.2592	0.0737	3.0400e-003	0.0767		1,013.9861	1,013.9861	0.0580		1,015.4361
Worker	0.9319	0.5352	6.4443	0.0224	2.6826	0.0184	2.7011	0.7115	0.0170	0.7284		2,231.0941	2,231.0941	0.0496		2,232.3346
Total	1.0122	3.2494	7.2671	0.0319	2.9386	0.0216	2.9603	0.7852	0.0200	0.8052		3,245.0802	3,245.0802	0.1076		3,247.7707

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Destination Accessibility

Increase Transit Accessibility

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.9288	13.9389	28.7378	0.1107	9.9148	0.0840	9.9987	2.6523	0.0780	2.7303		11,322.4470	11,322.4470	0.5615		11,336.4844
Unmitigated	3.2990	15.9873	37.8987	0.1557	14.4530	0.1154	14.5684	3.8663	0.1072	3.9735		15,912.7436	15,912.7436	0.7353		15,931.1255

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,357.08	1,304.48	1196.65	4,525,812	3,104,707
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	887.00	1,104.78	919.71	1,257,600	862,714
Other Asphalt Surfaces	0.00	0.00	0.00		
Regional Shopping Center	262.00	306.60	154.83	547,329	375,467
Total	2,506.08	2,715.86	2,271.19	6,330,741	4,342,888

4.3 Trip Type Information

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.00	19.40	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
Enclosed Parking with Elevator	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
High Turnover (Sit Down Restaurant)	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
Other Asphalt Surfaces	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825
Regional Shopping Center	0.551360	0.042151	0.204257	0.114482	0.014139	0.005783	0.021875	0.035696	0.002143	0.001676	0.004899	0.000713	0.000825

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6560	1,256.6560	0.0241	0.0230	1,264.1236
NaturalGas Unmitigated	0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6560	1,256.6560	0.0241	0.0230	1,264.1236

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8021.06	0.0865	0.7392	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.6542	943.6542	0.0181	0.0173	949.2618
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2620.72	0.0283	0.2569	0.2158	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.3194	308.3194	5.9100e-003	5.6500e-003	310.1516
Other Asphalt Surfaces	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
Regional Shopping Center	39.8	4.3000e-004	3.9000e-003	3.2800e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		4.6824	4.6824	9.0000e-005	9.0000e-005	4.7102
Total		0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6559	1,256.6559	0.0241	0.0230	1,264.1236

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	8.02106	0.0865	0.7392	0.3146	4.7200e-003		0.0598	0.0598		0.0598	0.0598		943.6542	943.6542	0.0181	0.0173	949.2618
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.62072	0.0283	0.2569	0.2158	1.5400e-003		0.0195	0.0195		0.0195	0.0195		308.3194	308.3194	5.9100e-003	5.6500e-003	310.1516
Other Asphalt Surfaces	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
Regional Shopping Center	0.0398	4.3000e-004	3.9000e-003	3.2800e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		4.6824	4.6824	9.0000e-005	9.0000e-005	4.7102
Total		0.1152	1.0000	0.5337	6.2800e-003		0.0796	0.0796		0.0796	0.0796		1,256.6559	1,256.6559	0.0241	0.0230	1,264.1236

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	8.2348	4.1818	23.4303	0.0263		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0649	5,058.0649	0.1341	0.0920	5,088.8358
Unmitigated	8.2348	4.1818	23.4303	0.0263		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0649	5,058.0649	0.1341	0.0920	5,088.8358

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5559					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4601	3.9314	1.6729	0.0251		0.3179	0.3179		0.3179	0.3179	0.0000	5,018.8235	5,018.8235	0.0962	0.0920	5,048.6479
Landscaping	0.6582	0.2504	21.7574	1.1500e-003		0.1206	0.1206		0.1206	0.1206		39.2414	39.2414	0.0379		40.1879
Total	8.2348	4.1818	23.4303	0.0262		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0650	5,058.0650	0.1341	0.0920	5,088.8358

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5559					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.5606					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4601	3.9314	1.6729	0.0251		0.3179	0.3179		0.3179	0.3179	0.0000	5,018.8235	5,018.8235	0.0962	0.0920	5,048.6479
Landscaping	0.6582	0.2504	21.7574	1.1500e-003		0.1206	0.1206		0.1206	0.1206		39.2414	39.2414	0.0379		40.1879
Total	8.2348	4.1818	23.4303	0.0262		0.4384	0.4384		0.4384	0.4384	0.0000	5,058.0650	5,058.0650	0.1341	0.0920	5,088.8358