

APPENDIX B
Air Quality/Greenhouse Gas Analysis
and Energy Consumption Data

1007 East Victoria Street Project - Los Angeles-South Coast County, Annual

1007 East Victoria Street Project
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	76.00	Space	0.68	30,400.00	0
Parking Lot	20.00	Space	0.18	8,000.00	0
City Park	0.34	Acre	0.34	14,810.40	0
Condo/Townhouse High Rise	8.00	Dwelling Unit	0.13	9,912.00	23
Condo/Townhouse High Rise	14.00	Dwelling Unit	0.22	18,508.00	40
Condo/Townhouse High Rise	6.00	Dwelling Unit	0.09	8,082.00	17
Condo/Townhouse High Rise	6.00	Dwelling Unit	0.09	9,726.00	17
Condo/Townhouse High Rise	4.00	Dwelling Unit	0.06	7,488.00	11

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Anticipated Units/SF

Construction Phase - Anticipated Construction Schedule

Off-road Equipment -

Off-road Equipment - Anticipated Construction Equipment

Off-road Equipment - Grading construction equipment list

Off-road Equipment - Planned construction equipment

Off-road Equipment -

Trips and VMT - Trip length to haul site.

Grading - Soil to be exported

Vehicle Trips - 278 Daily Trips

Woodstoves - SCAQMD 445 prohibits Woodstoves/ Wood burning Fireplaces

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation -

Fleet Mix -

Area Coating - SCAQMD Rule 1113

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	200.00	373.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	5.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblGrading	AcresOfGrading	3.75	1.50
tblGrading	MaterialExported	0.00	5,792.00
tblGrading	MaterialSiltContent	6.90	4.30
tblGrading	MeanVehicleSpeed	7.10	40.00
tblLandUse	LandUseSquareFeet	14,000.00	18,508.00

tblLandUse	LandUseSquareFeet	4,000.00	7,488.00
tblLandUse	LandUseSquareFeet	6,000.00	8,082.00
tblLandUse	LandUseSquareFeet	6,000.00	9,726.00
tblLandUse	LandUseSquareFeet	8,000.00	9,912.00
tblOffRoadEquipment	HorsePower	203.00	247.00
tblOffRoadEquipment	LoadFactor	0.36	0.40
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	VendorTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripNumber	20.00	18.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	7.31
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	7.31
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	7.31
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					
2019	0.0712	0.7950	0.4920	1.3500e-003	0.0512	0.0324	0.0836	0.0175	0.0299	0.0474	0.0000	123.8798	123.8798	0.0288	0.0000	124.5994
2020	0.6593	4.7074	3.6706	8.5800e-003	0.0809	0.2208	0.3017	0.0217	0.2032	0.2249	0.0000	758.8202	758.8202	0.2169	0.0000	764.2420
2021	0.1423	1.3281	1.1576	2.7800e-003	0.0263	0.0616	0.0878	7.0400e-003	0.0566	0.0637	0.0000	246.1545	246.1545	0.0706	0.0000	247.9191
Maximum	0.6593	4.7074	3.6706	8.5800e-003	0.0809	0.2208	0.3017	0.0217	0.2032	0.2249	0.0000	758.8202	758.8202	0.2169	0.0000	764.2420

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.0712	0.7950	0.4920	1.3500e-003	0.0281	0.0324	0.0605	9.0500e-003	0.0299	0.0389	0.0000	123.8797	123.8797	0.0288	0.0000	124.5993
2020	0.6593	4.7073	3.6706	8.5800e-003	0.0768	0.2208	0.2976	0.0207	0.2032	0.2238	0.0000	758.8194	758.8194	0.2169	0.0000	764.2412
2021	0.1423	1.3281	1.1576	2.7800e-003	0.0249	0.0616	0.0865	6.7100e-003	0.0566	0.0633	0.0000	246.1542	246.1542	0.0706	0.0000	247.9188
Maximum	0.6593	4.7073	3.6706	8.5800e-003	0.0768	0.2208	0.2976	0.0207	0.2032	0.2238	0.0000	758.8194	758.8194	0.2169	0.0000	764.2412

	ROG	NOx	CO	SO2	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	18.02	0.00	6.04	21.18	0.00	2.91	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
3	8-20-2019	11-19-2019	0.3265	0.3265
4	11-20-2019	2-19-2020	1.2699	1.2699
5	2-20-2020	5-19-2020	1.2637	1.2637
6	5-20-2020	8-19-2020	1.2911	1.2911

7	8-20-2020	11-19-2020	1.4753	1.4753
8	11-20-2020	2-19-2021	1.2007	1.2007
9	2-20-2021	5-19-2021	0.8545	0.8545
		Highest	1.4753	1.4753

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2300	0.0380	0.4082	2.3000e-004		4.8800e-003	4.8800e-003		4.8800e-003	4.8800e-003	0.0000	39.4247	39.4247	1.3700e-003	7.1000e-004	39.6708
Energy	1.8900e-003	0.0161	6.8700e-003	1.0000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	125.5936	125.5936	4.7700e-003	1.2600e-003	126.0871
Mobile	0.0932	0.4829	1.2962	4.4800e-003	0.3603	3.8300e-003	0.3641	0.0966	3.5700e-003	0.1002	0.0000	413.3218	413.3218	0.0221	0.0000	413.8735
Waste						0.0000	0.0000		0.0000	0.0000	3.5544	0.0000	3.5544	0.2101	0.0000	8.8058
Water						0.0000	0.0000		0.0000	0.0000	0.7855	17.2310	18.0165	0.0814	2.0500e-003	20.6627
Total	0.3251	0.5371	1.7113	4.8100e-003	0.3603	0.0100	0.3703	0.0966	9.7500e-003	0.1063	4.3398	595.5711	599.9110	0.3197	4.0200e-003	609.0999

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2261	4.5400e-003	0.3940	2.0000e-005		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	0.6425	0.6425	6.3000e-004	0.0000	0.6582
Energy	1.8900e-003	0.0161	6.8700e-003	1.0000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	125.5936	125.5936	4.7700e-003	1.2600e-003	126.0871

Mobile	0.0932	0.4829	1.2962	4.4800e-003	0.3603	3.8300e-003	0.3641	0.0966	3.5700e-003	0.1002	0.0000	413.3218	413.3218	0.0221	0.0000	413.8735
Waste						0.0000	0.0000		0.0000	0.0000	3.5544	0.0000	3.5544	0.2101	0.0000	8.8058
Water						0.0000	0.0000		0.0000	0.0000	0.7855	17.2310	18.0165	0.0814	2.0500e-003	20.6627
Total	0.3211	0.5036	1.6970	4.6000e-003	0.3603	7.3000e-003	0.3676	0.0966	7.0400e-003	0.1036	4.3398	556.7890	561.1288	0.3189	3.3100e-003	570.0873

	ROG	NOx	CO	SO2	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	1.21	6.24	0.83	4.37	0.00	27.07	0.73	0.00	27.79	2.55	0.00	6.51	6.46	0.23	17.66	6.40

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/3/2019	10/16/2019	5	10	
2	Building Construction	Building Construction	11/27/2019	4/30/2021	5	373	
3	Paving	Paving	1/9/2020	1/15/2020	5	5	
4	Architectural Coating	Architectural Coating	9/16/2020	9/29/2020	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.86

Residential Indoor: 108,775; Residential Outdoor: 36,258; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	6.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	402	0.38

Grading	Rubber Tired Loaders	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	0	6.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Trucks	2	8.00	402	0.38
Building Construction	Other Construction Equipment	2	8.00	172	0.42
Building Construction	Pavers	1	8.00	130	0.42
Building Construction	Surfacing Equipment	1	8.00	263	0.30
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Trenchers	1	8.00	78	0.50
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Rubber Tired Dozers	1	6.00	247	0.40

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
Grading	8	18.00	0.00	724.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	50.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0367	0.0000	0.0367	0.0136	0.0000	0.0136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0185	0.1915	0.1096	2.4000e-004		9.0800e-003	9.0800e-003		8.4500e-003	8.4500e-003	0.0000	21.6328	21.6328	6.1800e-003	0.0000	21.7874
Total	0.0185	0.1915	0.1096	2.4000e-004	0.0367	9.0800e-003	0.0458	0.0136	8.4500e-003	0.0220	0.0000	21.6328	21.6328	6.1800e-003	0.0000	21.7874

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	3.4400e-003	0.1146	0.0243	2.9000e-004	6.2200e-003	4.1000e-004	6.6300e-003	1.7100e-003	3.9000e-004	2.1000e-003	0.0000	28.1884	28.1884	1.9900e-003	0.0000	28.2381
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.7000e-004	2.9300e-003	1.0000e-005	6.7000e-004	1.0000e-005	6.8000e-004	1.8000e-004	1.0000e-005	1.8000e-004	0.0000	0.6511	0.6511	2.0000e-005	0.0000	0.6516
Total	3.7800e-003	0.1148	0.0273	3.0000e-004	6.8900e-003	4.2000e-004	7.3100e-003	1.8900e-003	4.0000e-004	2.2800e-003	0.0000	28.8395	28.8395	2.0100e-003	0.0000	28.8897

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					0.0143	0.0000	0.0143	5.2900e-003	0.0000	5.2900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0185	0.1915	0.1096	2.4000e-004		9.0800e-003	9.0800e-003		8.4500e-003	8.4500e-003	0.0000	21.6328	21.6328	6.1800e-003	0.0000	21.7873
Total	0.0185	0.1915	0.1096	2.4000e-004	0.0143	9.0800e-003	0.0234	5.2900e-003	8.4500e-003	0.0137	0.0000	21.6328	21.6328	6.1800e-003	0.0000	21.7873

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	3.4400e-003	0.1146	0.0243	2.9000e-004	5.9400e-003	4.1000e-004	6.3500e-003	1.6400e-003	3.9000e-004	2.0300e-003	0.0000	28.1884	28.1884	1.9900e-003	0.0000	28.2381
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.7000e-004	2.9300e-003	1.0000e-005	6.4000e-004	1.0000e-005	6.4000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	0.6511	0.6511	2.0000e-005	0.0000	0.6516
Total	3.7800e-003	0.1148	0.0273	3.0000e-004	6.5800e-003	4.2000e-004	6.9900e-003	1.8100e-003	4.0000e-004	2.2100e-003	0.0000	28.8395	28.8395	2.0100e-003	0.0000	28.8897

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Off-Road	0.0453	0.4712	0.3228	7.1000e-004		0.0227	0.0227		0.0209	0.0209	0.0000	63.6983	63.6983	0.0202	0.0000	64.2021
Total	0.0453	0.4712	0.3228	7.1000e-004		0.0227	0.0227		0.0209	0.0209	0.0000	63.6983	63.6983	0.0202	0.0000	64.2021

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.3000e-004	0.0148	4.0400e-003	3.0000e-005	7.9000e-004	9.0000e-005	8.8000e-004	2.3000e-004	9.0000e-005	3.2000e-004	0.0000	3.1258	3.1258	2.1000e-004	0.0000	3.1310
Worker	3.1300e-003	2.6100e-003	0.0284	7.0000e-005	6.8500e-003	6.0000e-005	6.9100e-003	1.8200e-003	6.0000e-005	1.8700e-003	0.0000	6.5835	6.5835	2.3000e-004	0.0000	6.5891
Total	3.6600e-003	0.0174	0.0324	1.0000e-004	7.6400e-003	1.5000e-004	7.7900e-003	2.0500e-003	1.5000e-004	2.1900e-003	0.0000	9.7093	9.7093	4.4000e-004	0.0000	9.7202

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0453	0.4712	0.3228	7.1000e-004		0.0227	0.0227		0.0209	0.0209	0.0000	63.6982	63.6982	0.0202	0.0000	64.2020
Total	0.0453	0.4712	0.3228	7.1000e-004		0.0227	0.0227		0.0209	0.0209	0.0000	63.6982	63.6982	0.0202	0.0000	64.2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.3000e-004	0.0148	4.0400e-003	3.0000e-005	7.5000e-004	9.0000e-005	8.5000e-004	2.2000e-004	9.0000e-005	3.1000e-004	0.0000	3.1258	3.1258	2.1000e-004	0.0000	3.1310
Worker	3.1300e-003	2.6100e-003	0.0284	7.0000e-005	6.4900e-003	6.0000e-005	6.5500e-003	1.7300e-003	6.0000e-005	1.7900e-003	0.0000	6.5835	6.5835	2.3000e-004	0.0000	6.5891
Total	3.6600e-003	0.0174	0.0324	1.0000e-004	7.2400e-003	1.5000e-004	7.4000e-003	1.9500e-003	1.5000e-004	2.1000e-003	0.0000	9.7093	9.7093	4.4000e-004	0.0000	9.7202

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4465	4.5055	3.3241	7.4300e-003		0.2175	0.2175		0.2001	0.2001	0.0000	652.9147	652.9147	0.2112	0.0000	658.1939
Total	0.4465	4.5055	3.3241	7.4300e-003		0.2175	0.2175		0.2001	0.2001	0.0000	652.9147	652.9147	0.2112	0.0000	658.1939

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	4.7500e-003	0.1420	0.0384	3.4000e-004	8.2500e-003	6.6000e-004	8.9100e-003	2.3800e-003	6.3000e-004	3.0100e-003	0.0000	32.5438	32.5438	2.0700e-003	0.0000	32.5955
Worker	0.0302	0.0244	0.2696	7.4000e-004	0.0718	6.1000e-004	0.0724	0.0191	5.6000e-004	0.0196	0.0000	66.8985	66.8985	2.1100e-003	0.0000	66.9512
Total	0.0350	0.1663	0.3081	1.0800e-003	0.0800	1.2700e-003	0.0813	0.0214	1.1900e-003	0.0226	0.0000	99.4423	99.4423	4.1800e-003	0.0000	99.5467

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	0.4465	4.5055	3.3241	7.4300e-003		0.2175	0.2175		0.2001	0.2001	0.0000	652.9139	652.9139	0.2112	0.0000	658.1931
Total	0.4465	4.5055	3.3241	7.4300e-003		0.2175	0.2175		0.2001	0.2001	0.0000	652.9139	652.9139	0.2112	0.0000	658.1931

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	4.7500e-003	0.1420	0.0384	3.4000e-004	7.9000e-003	6.6000e-004	8.5600e-003	2.3000e-003	6.3000e-004	2.9300e-003	0.0000	32.5438	32.5438	2.0700e-003	0.0000	32.5955
Worker	0.0302	0.0244	0.2696	7.4000e-004	0.0680	6.1000e-004	0.0687	0.0182	5.6000e-004	0.0187	0.0000	66.8985	66.8985	2.1100e-003	0.0000	66.9512
Total	0.0350	0.1663	0.3081	1.0800e-003	0.0759	1.2700e-003	0.0772	0.0205	1.1900e-003	0.0216	0.0000	99.4423	99.4423	4.1800e-003	0.0000	99.5467

3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1317	1.2784	1.0648	2.4400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	214.2934	214.2934	0.0693	0.0000	216.0261
Total	0.1317	1.2784	1.0648	2.4400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	214.2934	214.2934	0.0693	0.0000	216.0261

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	1.3400e-003	0.0424	0.0115	1.1000e-004	2.7100e-003	9.0000e-005	2.8000e-003	7.8000e-004	8.0000e-005	8.6000e-004	0.0000	10.5994	10.5994	6.5000e-004	0.0000	10.6156
Worker	9.2500e-003	7.2000e-003	0.0813	2.4000e-004	0.0236	1.9000e-004	0.0238	6.2600e-003	1.8000e-004	6.4400e-003	0.0000	21.2617	21.2617	6.3000e-004	0.0000	21.2774
Total	0.0106	0.0496	0.0928	3.5000e-004	0.0263	2.8000e-004	0.0266	7.0400e-003	2.6000e-004	7.3000e-003	0.0000	31.8611	31.8611	1.2800e-003	0.0000	31.8930

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	0.1317	1.2784	1.0648	2.4400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	214.2932	214.2932	0.0693	0.0000	216.0258
Total	0.1317	1.2784	1.0648	2.4400e-003		0.0613	0.0613		0.0564	0.0564	0.0000	214.2932	214.2932	0.0693	0.0000	216.0258

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	1.3400e-003	0.0424	0.0115	1.1000e-004	2.5900e-003	9.0000e-005	2.6800e-003	7.5000e-004	8.0000e-005	8.4000e-004	0.0000	10.5994	10.5994	6.5000e-004	0.0000	10.6156
Worker	9.2500e-003	7.2000e-003	0.0813	2.4000e-004	0.0223	1.9000e-004	0.0225	5.9600e-003	1.8000e-004	6.1400e-003	0.0000	21.2617	21.2617	6.3000e-004	0.0000	21.2774
Total	0.0106	0.0496	0.0928	3.5000e-004	0.0249	2.8000e-004	0.0252	6.7100e-003	2.6000e-004	6.9800e-003	0.0000	31.8611	31.8611	1.2800e-003	0.0000	31.8930

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.5000e-003	0.0268	0.0259	5.0000e-005		1.3800e-003	1.3800e-003		1.2700e-003	1.2700e-003	0.0000	4.3440	4.3440	1.4000e-003	0.0000	4.3791
Paving	2.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7400e-003	0.0268	0.0259	5.0000e-005		1.3800e-003	1.3800e-003		1.2700e-003	1.2700e-003	0.0000	4.3440	4.3440	1.4000e-003	0.0000	4.3791

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.3400e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3319	0.3319	1.0000e-005	0.0000	0.3322
Total	1.5000e-004	1.2000e-004	1.3400e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3319	0.3319	1.0000e-005	0.0000	0.3322

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	2.5000e-003	0.0268	0.0259	5.0000e-005		1.3800e-003	1.3800e-003		1.2700e-003	1.2700e-003	0.0000	4.3440	4.3440	1.4000e-003	0.0000	4.3791

Paving	2.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7400e-003	0.0268	0.0259	5.0000e-005		1.3800e-003	1.3800e-003		1.2700e-003	1.2700e-003	0.0000	4.3440	4.3440	1.4000e-003	0.0000	4.3791

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.3400e-003	0.0000	3.4000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3319	0.3319	1.0000e-005	0.0000	0.3322
Total	1.5000e-004	1.2000e-004	1.3400e-003	0.0000	3.4000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3319	0.3319	1.0000e-005	0.0000	0.3322

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
Total	0.1746	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.9000e-004	2.0600e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5107	0.5107	2.0000e-005	0.0000	0.5111
Total	2.3000e-004	1.9000e-004	2.0600e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.5107	0.5107	2.0000e-005	0.0000	0.5111

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2100e-003	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791
Total	0.1746	8.4200e-003	9.1600e-003	1.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	1.2766	1.2766	1.0000e-004	0.0000	1.2791

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.9000e-004	2.0600e-003	1.0000e-005	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.5107	0.5107	2.0000e-005	0.0000	0.5111
Total	2.3000e-004	1.9000e-004	2.0600e-003	1.0000e-005	5.2000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.5107	0.5107	2.0000e-005	0.0000	0.5111

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0932	0.4829	1.2962	4.4800e-003	0.3603	3.8300e-003	0.3641	0.0966	3.5700e-003	0.1002	0.0000	413.3218	413.3218	0.0221	0.0000	413.8735
Unmitigated	0.0932	0.4829	1.2962	4.4800e-003	0.3603	3.8300e-003	0.3641	0.0966	3.5700e-003	0.1002	0.0000	413.3218	413.3218	0.0221	0.0000	413.8735

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	58.48	58.48	58.48	199,835	199,835
Condo/Townhouse High Rise	102.34	102.34	102.34	349,711	349,711
Condo/Townhouse High Rise	43.86	43.86	43.86	149,876	149,876
Condo/Townhouse High Rise	43.86	43.86	43.86	149,876	149,876
Condo/Townhouse High Rise	29.24	29.24	29.24	99,918	99,918
Enclosed Parking Structure	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		

Total	277.78	277.78	277.78	949,216	949,216
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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-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Condo/Townhouse High Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Enclosed Parking Structure	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	106.9033	106.9033	4.4100e-003	9.1000e-004	107.2857
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	106.9033	106.9033	4.4100e-003	9.1000e-004	107.2857
NaturalGas Mitigated	1.8900e-003	0.0161	6.8700e-003	1.0000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	18.6903	18.6903	3.6000e-004	3.4000e-004	18.8014
NaturalGas Unmitigated	1.8900e-003	0.0161	6.8700e-003	1.0000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	18.6903	18.6903	3.6000e-004	3.4000e-004	18.8014

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	129037	7.0000e-004	5.9500e-003	2.5300e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8859	6.8859	1.3000e-004	1.3000e-004	6.9268
Condo/Townhouse High Rise	36867.8	2.0000e-004	1.7000e-003	7.2000e-004	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9674	1.9674	4.0000e-005	4.0000e-005	1.9791
Condo/Townhouse High Rise	55301.6	6.0000e-004	5.1000e-003	2.1700e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	5.9022	5.9022	1.1000e-004	1.1000e-004	5.9373
Condo/Townhouse High Rise	73735.5	4.0000e-004	3.4000e-003	1.4500e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.9348	3.9348	8.0000e-005	7.0000e-005	3.9582
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.9000e-003	0.0162	6.8700e-003	1.0000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	18.6903	18.6903	3.6000e-004	3.5000e-004	18.8014

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
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Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Condo/Townhouse High Rise	129037	7.0000e-004	5.9500e-003	2.5300e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8859	6.8859	1.3000e-004	1.3000e-004	6.9268
Condo/Townhouse High Rise	36867.8	2.0000e-004	1.7000e-003	7.2000e-004	1.0000e-005		1.4000e-004	1.4000e-004		1.4000e-004	1.4000e-004	0.0000	1.9674	1.9674	4.0000e-005	4.0000e-005	1.9791
Condo/Townhouse High Rise	55301.6	6.0000e-004	5.1000e-003	2.1700e-003	3.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	5.9022	5.9022	1.1000e-004	1.1000e-004	5.9373
Condo/Townhouse High Rise	73735.5	4.0000e-004	3.4000e-003	1.4500e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.9348	3.9348	8.0000e-005	7.0000e-005	3.9582
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		1.9000e-003	0.0162	6.8700e-003	1.0000e-004		1.3000e-003	1.3000e-003		1.3000e-003	1.3000e-003	0.0000	18.6903	18.6903	3.6000e-004	3.5000e-004	18.8014

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	Total CO2	CH4	N2O	CO2e
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	16879	5.3780	2.2000e-004	5.0000e-005	5.3972
Condo/Townhouse High Rise	25318.4	16.1340	6.7000e-004	1.4000e-004	16.1917
Condo/Townhouse High Rise	33757.9	10.7560	4.4000e-004	9.0000e-005	10.7945
Condo/Townhouse High Rise	59076.4	18.8230	7.8000e-004	1.6000e-004	18.8903
Enclosed Parking Structure	172368	54.9201	2.2700e-003	4.7000e-004	55.1166
Parking Lot	2800	0.8921	4.0000e-005	1.0000e-005	0.8953

Total		106.9033	4.4200e-003	9.2000e-004	107.2857
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Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	16879	5.3780	2.2000e-004	5.0000e-005	5.3972
Condo/Townhouse High Rise	25318.4	16.1340	6.7000e-004	1.4000e-004	16.1917
Condo/Townhouse High Rise	33757.9	10.7560	4.4000e-004	9.0000e-005	10.7945
Condo/Townhouse High Rise	59076.4	18.8230	7.8000e-004	1.6000e-004	18.8903
Enclosed Parking Structure	172368	54.9201	2.2700e-003	4.7000e-004	55.1166
Parking Lot	2800	0.8921	4.0000e-005	1.0000e-005	0.8953
Total		106.9033	4.4200e-003	9.2000e-004	107.2857

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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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	0.0000
Landscaping	0.0120	4.5400e-003	0.3940	2.0000e-005	2.1700e-003	2.1700e-003	2.1700e-003	2.1700e-003	0.0000	0.6425	0.6425	6.3000e-004	0.0000	0.6582	
Total	0.2261	4.5400e-003	0.3940	2.0000e-005	2.1700e-003	2.1700e-003	2.1700e-003	2.1700e-003	0.0000	0.6425	0.6425	6.3000e-004	0.0000	0.6582	

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	18.0165	0.0814	2.0500e-003	20.6627
Unmitigated	18.0165	0.0814	2.0500e-003	20.6627

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.405104	1.4340	6.0000e-005	1.0000e-005	1.4392
Condo/Townhouse High Rise	2.47585 / 1.56086	16.5825	0.0813	2.0400e-003	19.2236
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000

Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		18.0165	0.0814	2.0500e-003	20.6627

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.405104	1.4340	6.0000e-005	1.0000e-005	1.4392
Condo/Townhouse High Rise	2.47585 / 1.56086	16.5825	0.0813	2.0400e-003	19.2236
Enclosed Parking Structure	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		18.0165	0.0814	2.0500e-003	20.6627

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.5544	0.2101	0.0000	8.8058

Unmitigated	3.5544	0.2101	0.0000	8.8058
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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Condo/Townhouse High Rise	17.48	3.5483	0.2097	0.0000	8.7907
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		3.5544	0.2101	0.0000	8.8058

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Condo/Townhouse High Rise	17.48	3.5483	0.2097	0.0000	8.7907
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000

Total		3.5544	0.2101	0.0000	8.8058
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9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

1007 East Victoria Street Project - Los Angeles-South Coast County, Summer

1007 East Victoria Street Project
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	76.00	Space	0.68	30,400.00	0
Parking Lot	20.00	Space	0.18	8,000.00	0
City Park	0.34	Acre	0.34	14,810.40	0
Condo/Townhouse High Rise	8.00	Dwelling Unit	0.13	9,912.00	23
Condo/Townhouse High Rise	14.00	Dwelling Unit	0.22	18,508.00	40
Condo/Townhouse High Rise	6.00	Dwelling Unit	0.09	8,082.00	17
Condo/Townhouse High Rise	6.00	Dwelling Unit	0.09	9,726.00	17
Condo/Townhouse High Rise	4.00	Dwelling Unit	0.06	7,488.00	11

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Anticipated Units/SF

Construction Phase - Anticipated Construction Schedule

Off-road Equipment -

Off-road Equipment - Anticipated Construction Equipment

Off-road Equipment - Grading construction equipment list

Off-road Equipment - Planned construction equipment

Off-road Equipment -

Trips and VMT - Trip length to haul site.

Grading - Soil to be exported

Vehicle Trips - 278 Daily Trips

Woodstoves - SCAQMD 445 prohibits Woodstoves/ Wood burning Fireplaces

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation -

Fleet Mix -

Area Coating - SCAQMD Rule 1113

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	200.00	373.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	5.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblGrading	AcresOfGrading	3.75	1.50
tblGrading	MaterialExported	0.00	5,792.00
tblGrading	MaterialSiltContent	6.90	4.30
tblGrading	MeanVehicleSpeed	7.10	40.00
tblLandUse	LandUseSquareFeet	14,000.00	18,508.00

tblLandUse	LandUseSquareFeet	4,000.00	7,488.00
tblLandUse	LandUseSquareFeet	6,000.00	8,082.00
tblLandUse	LandUseSquareFeet	6,000.00	9,726.00
tblLandUse	LandUseSquareFeet	8,000.00	9,912.00
tblOffRoadEquipment	HorsePower	203.00	247.00
tblOffRoadEquipment	LoadFactor	0.36	0.40
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	VendorTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripNumber	20.00	18.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	7.31
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	7.31
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	7.31
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					
2019	4.4395	60.5285	28.5421	0.1078	8.7392	1.8995	10.6387	3.0948	1.7689	4.8637	0.0000	11,178.1740	11,178.1740	1.8159	0.0000	11,223.1597
2020	38.6419	46.3950	38.7529	0.0866	0.7682	2.2233	2.9915	0.2052	2.0457	2.2508	0.0000	8,427.3491	8,427.3491	2.4366	0.0000	8,488.2643
2021	3.3082	30.8489	27.0310	0.0650	0.6229	1.4314	2.0543	0.1667	1.3170	1.4836	0.0000	6,337.7091	6,337.7091	1.8097	0.0000	6,382.9507
Maximum	38.6419	60.5285	38.7529	0.1078	8.7392	2.2233	10.6387	3.0948	2.0457	4.8637	0.0000	11,178.1740	11,178.1740	2.4366	0.0000	11,223.1597

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.4395	60.5285	28.5421	0.1078	4.1994	1.8995	6.0989	1.4249	1.7689	3.1938	0.0000	11,178.1739	11,178.1739	1.8159	0.0000	11,223.1597
2020	38.6419	46.3950	38.7529	0.0866	0.7287	2.2233	2.9521	0.1955	2.0457	2.2412	0.0000	8,427.3491	8,427.3491	2.4366	0.0000	8,488.2643
2021	3.3082	30.8489	27.0310	0.0650	0.5910	1.4314	2.0224	0.1588	1.3170	1.4758	0.0000	6,337.7091	6,337.7091	1.8097	0.0000	6,382.9506
Maximum	38.6419	60.5285	38.7529	0.1078	4.1994	2.2233	6.0989	1.4249	2.0457	3.1938	0.0000	11,178.1739	11,178.1739	2.4366	0.0000	11,223.1597

	ROG	NOx	CO	SO2	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	45.52	0.00	29.40	48.67	0.00	19.62	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Grading	Grading	10/3/2019	10/16/2019	5	10
2	Building Construction	Building Construction	11/27/2019	4/30/2021	5	373
3	Paving	Paving	1/9/2020	1/15/2020	5	5
4	Architectural Coating	Architectural Coating	9/16/2020	9/29/2020	5	10

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.86

Residential Indoor: 108,775; Residential Outdoor: 36,258; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	6.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	402	0.38
Grading	Rubber Tired Loaders	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	0	6.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Trucks	2	8.00	402	0.38
Building Construction	Other Construction Equipment	2	8.00	172	0.42
Building Construction	Pavers	1	8.00	130	0.42
Building Construction	Surfacing Equipment	1	8.00	263	0.30
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Trenchers	1	8.00	78	0.50
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56

Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Rubber Tired Dozers	1	6.00	247	0.40

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
Grading	8	18.00	0.00	724.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	50.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3365	0.0000	7.3365	2.7115	0.0000	2.7115			0.0000			0.0000

Off-Road	3.6910	38.3067	21.9100	0.0484		1.8169	1.8169		1.6899	1.6899		4,769.2096	4,769.2096	1.3631		4,803.2878
Total	3.6910	38.3067	21.9100	0.0484	7.3365	1.8169	9.1534	2.7115	1.6899	4.4014		4,769.2096	4,769.2096	1.3631		4,803.2878

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	0.6803	22.1749	4.7279	0.0579	1.2658	0.0814	1.3472	0.3470	0.0779	0.4248		6,259.0651	6,259.0651	0.4311		6,269.8415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0682	0.0469	0.6162	1.5100e-003	0.1369	1.2200e-003	0.1381	0.0363	1.1200e-003	0.0374		149.8993	149.8993	5.2500e-003		150.0304
Total	0.7486	22.2218	5.3441	0.0594	1.4028	0.0826	1.4853	0.3833	0.0790	0.4623		6,408.9643	6,408.9643	0.4363		6,419.8719

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8612	0.0000	2.8612	1.0575	0.0000	1.0575			0.0000			0.0000
Off-Road	3.6910	38.3067	21.9100	0.0484		1.8169	1.8169		1.6899	1.6899	0.0000	4,769.2096	4,769.2096	1.3631		4,803.2878
Total	3.6910	38.3067	21.9100	0.0484	2.8612	1.8169	4.6781	1.0575	1.6899	2.7474	0.0000	4,769.2096	4,769.2096	1.3631		4,803.2878

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	0.6803	22.1749	4.7279	0.0579	1.2084	0.0814	1.2898	0.3329	0.0779	0.4107		6,259.0651	6,259.0651	0.4311		6,269.8415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0682	0.0469	0.6162	1.5100e-003	0.1298	1.2200e-003	0.1310	0.0346	1.1200e-003	0.0357		149.8993	149.8993	5.2500e-003		150.0304
Total	0.7486	22.2218	5.3441	0.0594	1.3382	0.0826	1.4208	0.3675	0.0790	0.4464		6,408.9643	6,408.9643	0.4363		6,419.8719

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6271	37.6980	25.8242	0.0567		1.8178	1.8178		1.6723	1.6723		5,617.2263	5,617.2263	1.7772		5,661.6571
Total	3.6271	37.6980	25.8242	0.0567		1.8178	1.8178		1.6723	1.6723		5,617.2263	5,617.2263	1.7772		5,661.6571

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0416	1.1573	0.3071	2.6100e-003	0.0640	7.3800e-003	0.0714	0.0184	7.0600e-003	0.0255		278.8146	278.8146	0.0179		279.2613
Worker	0.2498	0.1836	2.4108	6.0900e-003	0.5589	4.8200e-003	0.5637	0.1482	4.4400e-003	0.1527		606.4764	606.4764	0.0208		606.9972
Total	0.2913	1.3409	2.7179	8.7000e-003	0.6229	0.0122	0.6351	0.1667	0.0115	0.1782		885.2911	885.2911	0.0387		886.2585

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	3.6271	37.6980	25.8242	0.0567		1.8178	1.8178		1.6723	1.6723	0.0000	5,617.2263	5,617.2263	1.7772		5,661.6571
Total	3.6271	37.6980	25.8242	0.0567		1.8178	1.8178		1.6723	1.6723	0.0000	5,617.2263	5,617.2263	1.7772		5,661.6571

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	0.0416	1.1573	0.3071	2.6100e-003	0.0613	7.3800e-003	0.0687	0.0178	7.0600e-003	0.0248		278.8146	278.8146	0.0179		279.2613
Worker	0.2498	0.1836	2.4108	6.0900e-003	0.5297	4.8200e-003	0.5346	0.1411	4.4400e-003	0.1455		606.4764	606.4764	0.0208		606.9972
Total	0.2913	1.3409	2.7179	8.7000e-003	0.5910	0.0122	0.6032	0.1588	0.0115	0.1703		885.2911	885.2911	0.0387		886.2585

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4087	34.3928	25.3749	0.0567		1.6606	1.6606		1.5278	1.5278		5,494.0096	5,494.0096	1.7769		5,538.4315
Total	3.4087	34.3928	25.3749	0.0567		1.6606	1.6606		1.5278	1.5278		5,494.0096	5,494.0096	1.7769		5,538.4315

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	0.0356	1.0637	0.2787	2.5900e-003	0.0640	5.0100e-003	0.0690	0.0184	4.7900e-003	0.0232		277.0247	277.0247	0.0169		277.4473
Worker	0.2301	0.1637	2.1892	5.9100e-003	0.5589	4.6700e-003	0.5636	0.1482	4.3000e-003	0.1525		588.0564	588.0564	0.0185		588.5199
Total	0.2657	1.2274	2.4679	8.5000e-003	0.6229	9.6800e-003	0.6326	0.1667	9.0900e-003	0.1757		865.0811	865.0811	0.0354		865.9673

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	3.4087	34.3928	25.3749	0.0567		1.6606	1.6606		1.5278	1.5278	0.0000	5,494.0096	5,494.0096	1.7769		5,538.4315
Total	3.4087	34.3928	25.3749	0.0567		1.6606	1.6606		1.5278	1.5278	0.0000	5,494.0096	5,494.0096	1.7769		5,538.4315

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	0.0356	1.0637	0.2787	2.5900e-003	0.0613	5.0100e-003	0.0663	0.0178	4.7900e-003	0.0226		277.0247	277.0247	0.0169		277.4473
Worker	0.2301	0.1637	2.1892	5.9100e-003	0.5297	4.6700e-003	0.5344	0.1411	4.3000e-003	0.1454		588.0564	588.0564	0.0185		588.5199
Total	0.2657	1.2274	2.4679	8.5000e-003	0.5910	9.6800e-003	0.6007	0.1588	9.0900e-003	0.1679		865.0811	865.0811	0.0354		865.9673

3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0635	29.7307	24.7633	0.0567		1.4249	1.4249		1.3109	1.3109		5,493.4435	5,493.4435	1.7767		5,537.8608

Total	3.0635	29.7307	24.7633	0.0567		1.4249	1.4249		1.3109	1.3109		5,493.4435	5,493.4435	1.7767		5,537.8608
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0304	0.9709	0.2538	2.5700e-003	0.0640	1.9900e-003	0.0660	0.0184	1.9000e-003	0.0203		274.8806	274.8806	0.0162		275.2855
Worker	0.2143	0.1473	2.0139	5.7200e-003	0.5589	4.5200e-003	0.5634	0.1482	4.1600e-003	0.1524		569.3849	569.3849	0.0168		569.8044
Total	0.2447	1.1182	2.2677	8.2900e-003	0.6229	6.5100e-003	0.6294	0.1667	6.0600e-003	0.1727		844.2656	844.2656	0.0330		845.0898

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	3.0635	29.7307	24.7633	0.0567		1.4249	1.4249		1.3109	1.3109	0.0000	5,493.4435	5,493.4435	1.7767		5,537.8608
Total	3.0635	29.7307	24.7633	0.0567		1.4249	1.4249		1.3109	1.3109	0.0000	5,493.4435	5,493.4435	1.7767		5,537.8608

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	0.0304	0.9709	0.2538	2.5700e-003	0.0613	1.9900e-003	0.0633	0.0178	1.9000e-003	0.0197		274.8806	274.8806	0.0162		275.2855
Worker	0.2143	0.1473	2.0139	5.7200e-003	0.5297	4.5200e-003	0.5343	0.1411	4.1600e-003	0.1452		569.3849	569.3849	0.0168		569.8044
Total	0.2447	1.1182	2.2677	8.2900e-003	0.5910	6.5100e-003	0.5975	0.1588	6.0600e-003	0.1649		844.2656	844.2656	0.0330		845.0898

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9986	10.7323	10.3408	0.0198		0.5518	0.5518		0.5077	0.5077		1,915.3637	1,915.3637	0.6195		1,930.8504
Paving	0.0943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0929	10.7323	10.3408	0.0198		0.5518	0.5518		0.5077	0.5077		1,915.3637	1,915.3637	0.6195		1,930.8504

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0598	0.0426	0.5692	1.5400e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		152.8947	152.8947	4.8200e-003		153.0152
Total	0.0598	0.0426	0.5692	1.5400e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		152.8947	152.8947	4.8200e-003		153.0152

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	0.9986	10.7323	10.3408	0.0198		0.5518	0.5518		0.5077	0.5077	0.0000	1,915.3637	1,915.3637	0.6195		1,930.8504
Paving	0.0943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0929	10.7323	10.3408	0.0198		0.5518	0.5518		0.5077	0.5077	0.0000	1,915.3637	1,915.3637	0.6195		1,930.8504

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0598	0.0426	0.5692	1.5400e-003	0.1377	1.2100e-003	0.1389	0.0367	1.1200e-003	0.0378		152.8947	152.8947	4.8200e-003		153.0152
Total	0.0598	0.0426	0.5692	1.5400e-003	0.1377	1.2100e-003	0.1389	0.0367	1.1200e-003	0.0378		152.8947	152.8947	4.8200e-003		153.0152

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.6793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	34.9215	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		117.6113	117.6113	3.7100e-003		117.7040
Total	0.0460	0.0327	0.4378	1.1800e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		117.6113	117.6113	3.7100e-003		117.7040

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	34.6793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	34.9215	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0460	0.0327	0.4378	1.1800e-003	0.1060	9.3000e-004	0.1069	0.0282	8.6000e-004	0.0291		117.6113	117.6113	3.7100e-003		117.7040
Total	0.0460	0.0327	0.4378	1.1800e-003	0.1060	9.3000e-004	0.1069	0.0282	8.6000e-004	0.0291		117.6113	117.6113	3.7100e-003		117.7040

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day			
	0.5389	2.5374	7.3976	0.0255	2.0184	0.0210	2.0395	0.5402	0.0196	0.5598	2,594.3106	2,594.3106	0.1347	2,597.6783
Mitigated	0.5389	2.5374	7.3976	0.0255	2.0184	0.0210	2.0395	0.5402	0.0196	0.5598	2,594.3106	2,594.3106	0.1347	2,597.6783
Unmitigated	0.5389	2.5374	7.3976	0.0255	2.0184	0.0210	2.0395	0.5402	0.0196	0.5598	2,594.3106	2,594.3106	0.1347	2,597.6783

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	58.48	58.48	58.48	199,835	199,835
Condo/Townhouse High Rise	102.34	102.34	102.34	349,711	349,711
Condo/Townhouse High Rise	43.86	43.86	43.86	149,876	149,876
Condo/Townhouse High Rise	43.86	43.86	43.86	149,876	149,876
Condo/Townhouse High Rise	29.24	29.24	29.24	99,918	99,918
Enclosed Parking Structure	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	277.78	277.78	277.78	949,216	949,216

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Condo/Townhouse High Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

Enclosed Parking Structure	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

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	0.0104	0.0884	0.0376	5.6000e-004		7.1500e-003	7.1500e-003		7.1500e-003	7.1500e-003		112.8908	112.8908	2.1600e-003	2.0700e-003	113.5617
NaturalGas Unmitigated	0.0104	0.0884	0.0376	5.6000e-004		7.1500e-003	7.1500e-003		7.1500e-003	7.1500e-003		112.8908	112.8908	2.1600e-003	2.0700e-003	113.5617

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	101.008	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8832	11.8832	2.3000e-004	2.2000e-004	11.9539
Condo/Townhouse High Rise	151.511	3.2700e-003	0.0279	0.0119	1.8000e-004		2.2600e-003	2.2600e-003		2.2600e-003	2.2600e-003		35.6497	35.6497	6.8000e-004	6.5000e-004	35.8616

Condo/Townhouse High Rise	202.015	2.1800e-003	0.0186	7.9200e-003	1.2000e-004	1.5100e-003	1.5100e-003	1.5100e-003	1.5100e-003	23.7665	23.7665	4.6000e-004	4.4000e-004	23.9077
Condo/Townhouse High Rise	353.526	3.8100e-003	0.0326	0.0139	2.1000e-004	2.6300e-003	2.6300e-003	2.6300e-003	2.6300e-003	41.5914	41.5914	8.0000e-004	7.6000e-004	41.8385
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0104	0.0884	0.0376	5.7000e-004	7.1500e-003	7.1500e-003	7.1500e-003	7.1500e-003	112.8908	112.8908	2.1700e-003	2.0700e-003	113.5617

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0.202015	2.1800e-003	0.0186	7.9200e-003	1.2000e-004	1.5100e-003	1.5100e-003	1.5100e-003	1.5100e-003	1.5100e-003	1.5100e-003	23.7665	23.7665	4.6000e-004	4.4000e-004	23.9077	
Condo/Townhouse High Rise	0.353526	3.8100e-003	0.0326	0.0139	2.1000e-004	2.6300e-003	2.6300e-003	2.6300e-003	2.6300e-003	2.6300e-003	2.6300e-003	41.5914	41.5914	8.0000e-004	7.6000e-004	41.8385	
Condo/Townhouse High Rise	0.101008	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005	7.5000e-004	7.5000e-004	7.5000e-004	7.5000e-004	7.5000e-004	7.5000e-004	11.8832	11.8832	2.3000e-004	2.2000e-004	11.9539	
Condo/Townhouse High Rise	0.151511	3.2700e-003	0.0279	0.0119	1.8000e-004	2.2600e-003	2.2600e-003	2.2600e-003	2.2600e-003	2.2600e-003	2.2600e-003	35.6497	35.6497	6.8000e-004	6.5000e-004	35.8616	
Enclosed Parking Structure	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	0.0000	
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total		0.0104	0.0884	0.0376	5.7000e-004	7.1500e-003	7.1500e-003	7.1500e-003	7.1500e-003	7.1500e-003	7.1500e-003	112.8908	112.8908	2.1700e-003	2.0700e-003	113.5617	

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2691	0.0364	3.1517	1.7000e-004		0.0174	0.0174		0.0174	0.0174	0.0000	5.6661	5.6661	5.5300e-003	0.0000	5.8042
Unmitigated	1.5826	2.7154	4.2917	0.0173		0.2340	0.2340		0.2340	0.2340	0.0000	3,425.6661	3,425.6661	0.0711	0.0627	3,446.1276

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	0.0950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0779					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3135	2.6790	1.1400	0.0171		0.2166	0.2166		0.2166	0.2166	0.0000	3,420.0000	3,420.0000	0.0656	0.0627	3,440.3234
Landscaping	0.0961	0.0364	3.1517	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6661	5.6661	5.5300e-003		5.8042
Total	1.5826	2.7154	4.2917	0.0173		0.2340	0.2340		0.2340	0.2340	0.0000	3,425.6661	3,425.6661	0.0711	0.0627	3,446.1276

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	0.0950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0779					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	0.0961	0.0364	3.1517	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6661	5.6661	5.5300e-003		5.8042
Total	1.2691	0.0364	3.1517	1.7000e-004		0.0174	0.0174		0.0174	0.0174	0.0000	5.6661	5.6661	5.5300e-003	0.0000	5.8042

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

1007 East Victoria Street Project - Los Angeles-South Coast County, Winter

**1007 East Victoria Street Project
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking Structure	76.00	Space	0.68	30,400.00	0
Parking Lot	20.00	Space	0.18	8,000.00	0
City Park	0.34	Acre	0.34	14,810.40	0
Condo/Townhouse High Rise	8.00	Dwelling Unit	0.13	9,912.00	23
Condo/Townhouse High Rise	14.00	Dwelling Unit	0.22	18,508.00	40
Condo/Townhouse High Rise	6.00	Dwelling Unit	0.09	8,082.00	17
Condo/Townhouse High Rise	6.00	Dwelling Unit	0.09	9,726.00	17
Condo/Townhouse High Rise	4.00	Dwelling Unit	0.06	7,488.00	11

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Anticipated Units/SF

Construction Phase - Anticipated Construction Schedule

Off-road Equipment -

Off-road Equipment - Anticipated Construction Equipment

Off-road Equipment - Grading construction equipment list

Off-road Equipment - Planned construction equipment

Off-road Equipment -

Trips and VMT - Trip length to haul site.

Grading - Soil to be exported

Vehicle Trips - 278 Daily Trips

Woodstoves - SCAQMD 445 prohibits Woodstoves/ Wood burning Fireplaces

Water And Wastewater -

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Area Mitigation -

Fleet Mix -

Area Coating - SCAQMD Rule 1113

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	200.00	373.00
tblConstructionPhase	NumDays	4.00	10.00
tblConstructionPhase	NumDays	10.00	5.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblGrading	AcresOfGrading	3.75	1.50
tblGrading	MaterialExported	0.00	5,792.00
tblGrading	MaterialSiltContent	6.90	4.30
tblGrading	MeanVehicleSpeed	7.10	40.00
tblLandUse	LandUseSquareFeet	14,000.00	18,508.00

tblLandUse	LandUseSquareFeet	4,000.00	7,488.00
tblLandUse	LandUseSquareFeet	6,000.00	8,082.00
tblLandUse	LandUseSquareFeet	6,000.00	9,726.00
tblLandUse	LandUseSquareFeet	8,000.00	9,912.00
tblOffRoadEquipment	HorsePower	203.00	247.00
tblOffRoadEquipment	LoadFactor	0.36	0.40
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Dozers	Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	VendorTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripLength	14.70	10.00
tblTripsAndVMT	WorkerTripNumber	20.00	18.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	7.31
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	7.31
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	7.31
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					
2019	4.4627	60.8294	28.3751	0.1067	8.7392	1.9010	10.6403	3.0948	1.7704	4.8651	0.0000	11,063.3209	11,063.3209	1.8159	0.0000	11,108.7106
2020	38.6740	46.4169	38.5495	0.0860	0.7682	2.2234	2.9916	0.2052	2.0457	2.2509	0.0000	8,376.4972	8,376.4972	2.4364	0.0000	8,437.4059
2021	3.3338	30.8626	26.8854	0.0646	0.6229	1.4315	2.0544	0.1667	1.3170	1.4837	0.0000	6,296.9146	6,296.9146	1.8097	0.0000	6,342.1578
Maximum	38.6740	60.8294	38.5495	0.1067	8.7392	2.2234	10.6403	3.0948	2.0457	4.8651	0.0000	11,063.3209	11,063.3209	2.4364	0.0000	11,108.7106

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	4.4627	60.8294	28.3751	0.1067	4.1994	1.9010	6.1004	1.4249	1.7704	3.1953	0.0000	11,063.3209	11,063.3209	1.8159	0.0000	11,108.7106
2020	38.6740	46.4169	38.5495	0.0860	0.7287	2.2234	2.9522	0.1955	2.0457	2.2412	0.0000	8,376.4972	8,376.4972	2.4364	0.0000	8,437.4059
2021	3.3338	30.8626	26.8854	0.0646	0.5910	1.4315	2.0225	0.1588	1.3170	1.4758	0.0000	6,296.9146	6,296.9146	1.8097	0.0000	6,342.1578
Maximum	38.6740	60.8294	38.5495	0.1067	4.1994	2.2234	6.1004	1.4249	2.0457	3.1953	0.0000	11,063.3209	11,063.3209	2.4364	0.0000	11,108.7106

	ROG	NOx	CO	SO2	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	45.52	0.00	29.40	48.67	0.00	19.62	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

1	Grading	Grading	10/3/2019	10/16/2019	5	10
2	Building Construction	Building Construction	11/27/2019	4/30/2021	5	373
3	Paving	Paving	1/9/2020	1/15/2020	5	5
4	Architectural Coating	Architectural Coating	9/16/2020	9/29/2020	5	10

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.86

Residential Indoor: 108,775; Residential Outdoor: 36,258; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	6.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	402	0.38
Grading	Rubber Tired Loaders	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Trenchers	1	8.00	78	0.50
Building Construction	Cranes	0	6.00	231	0.29
Building Construction	Forklifts	0	6.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Trucks	2	8.00	402	0.38
Building Construction	Other Construction Equipment	2	8.00	172	0.42
Building Construction	Pavers	1	8.00	130	0.42
Building Construction	Surfacing Equipment	1	8.00	263	0.30
Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Trenchers	1	8.00	78	0.50
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56

Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Surfacing Equipment	1	8.00	263	0.30
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Rubber Tired Dozers	1	6.00	247	0.40

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
Grading	8	18.00	0.00	724.00	10.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	50.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3365	0.0000	7.3365	2.7115	0.0000	2.7115			0.0000			0.0000

Off-Road	3.6910	38.3067	21.9100	0.0484		1.8169	1.8169		1.6899	1.6899		4,769.2096	4,769.2096	1.3631		4,803.2878
Total	3.6910	38.3067	21.9100	0.0484	7.3365	1.8169	9.1534	2.7115	1.6899	4.4014		4,769.2096	4,769.2096	1.3631		4,803.2878

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	0.6974	22.4708	5.0474	0.0569	1.2658	0.0829	1.3487	0.3470	0.0793	0.4263		6,152.9117	6,152.9117	0.4475		6,164.0987
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0744	0.0519	0.5725	1.4200e-003	0.1369	1.2200e-003	0.1381	0.0363	1.1200e-003	0.0374		141.1996	141.1996	4.9800e-003		141.3240
Total	0.7717	22.5227	5.6199	0.0583	1.4028	0.0841	1.4869	0.3833	0.0804	0.4637		6,294.1113	6,294.1113	0.4525		6,305.4228

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8612	0.0000	2.8612	1.0575	0.0000	1.0575			0.0000			0.0000
Off-Road	3.6910	38.3067	21.9100	0.0484		1.8169	1.8169		1.6899	1.6899	0.0000	4,769.2096	4,769.2096	1.3631		4,803.2878
Total	3.6910	38.3067	21.9100	0.0484	2.8612	1.8169	4.6781	1.0575	1.6899	2.7474	0.0000	4,769.2096	4,769.2096	1.3631		4,803.2878

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	0.6974	22.4708	5.0474	0.0569	1.2084	0.0829	1.2913	0.3329	0.0793	0.4122		6,152.9117	6,152.9117	0.4475		6,164.0987
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0744	0.0519	0.5725	1.4200e-003	0.1298	1.2200e-003	0.1310	0.0346	1.1200e-003	0.0357		141.1996	141.1996	4.9800e-003		141.3240
Total	0.7717	22.5227	5.6199	0.0583	1.3382	0.0841	1.4223	0.3675	0.0804	0.4479		6,294.1113	6,294.1113	0.4525		6,305.4228

3.3 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.6271	37.6980	25.8242	0.0567		1.8178	1.8178		1.6723	1.6723		5,617.2263	5,617.2263	1.7772		5,661.6571
Total	3.6271	37.6980	25.8242	0.0567		1.8178	1.8178		1.6723	1.6723		5,617.2263	5,617.2263	1.7772		5,661.6571

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0433	1.1589	0.3385	2.5400e-003	0.0640	7.5000e-003	0.0715	0.0184	7.1700e-003	0.0256		271.2771	271.2771	0.0191		271.7535
Worker	0.2769	0.2033	2.2124	5.7400e-003	0.5589	4.8200e-003	0.5637	0.1482	4.4400e-003	0.1527		571.0654	571.0654	0.0197		571.5565
Total	0.3202	1.3621	2.5509	8.2800e-003	0.6229	0.0123	0.6352	0.1667	0.0116	0.1783		842.3425	842.3425	0.0387		843.3101

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	3.6271	37.6980	25.8242	0.0567		1.8178	1.8178		1.6723	1.6723	0.0000	5,617.2263	5,617.2263	1.7772		5,661.6571
Total	3.6271	37.6980	25.8242	0.0567		1.8178	1.8178		1.6723	1.6723	0.0000	5,617.2263	5,617.2263	1.7772		5,661.6571

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	0.0433	1.1589	0.3385	2.5400e-003	0.0613	7.5000e-003	0.0688	0.0178	7.1700e-003	0.0249		271.2771	271.2771	0.0191		271.7535
Worker	0.2769	0.2033	2.2124	5.7400e-003	0.5297	4.8200e-003	0.5346	0.1411	4.4400e-003	0.1455		571.0654	571.0654	0.0197		571.5565
Total	0.3202	1.3621	2.5509	8.2800e-003	0.5910	0.0123	0.6033	0.1588	0.0116	0.1704		842.3425	842.3425	0.0387		843.3101

3.3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.4087	34.3928	25.3749	0.0567		1.6606	1.6606		1.5278	1.5278		5,494.0096	5,494.0096	1.7769		5,538.4315
Total	3.4087	34.3928	25.3749	0.0567		1.6606	1.6606		1.5278	1.5278		5,494.0096	5,494.0096	1.7769		5,538.4315

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.0635	0.3074	2.5200e-003	0.0640	5.0900e-003	0.0691	0.0184	4.8700e-003	0.0233		269.4491	269.4491	0.0180		269.8995
Worker	0.2555	0.1812	2.0051	5.5600e-003	0.5589	4.6700e-003	0.5636	0.1482	4.3000e-003	0.1525		553.7102	553.7102	0.0175		554.1465
Total	0.2927	1.2448	2.3124	8.0800e-003	0.6229	9.7600e-003	0.6327	0.1667	9.1700e-003	0.1758		823.1593	823.1593	0.0355		824.0460

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	3.4087	34.3928	25.3749	0.0567		1.6606	1.6606		1.5278	1.5278	0.0000	5,494.0096	5,494.0096	1.7769		5,538.4315
Total	3.4087	34.3928	25.3749	0.0567		1.6606	1.6606		1.5278	1.5278	0.0000	5,494.0096	5,494.0096	1.7769		5,538.4315

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0372	1.0635	0.3074	2.5200e-003	0.0613	5.0900e-003	0.0664	0.0178	4.8700e-003	0.0226		269.4491	269.4491	0.0180		269.8995
Worker	0.2555	0.1812	2.0051	5.5600e-003	0.5297	4.6700e-003	0.5344	0.1411	4.3000e-003	0.1454		553.7102	553.7102	0.0175		554.1465
Total	0.2927	1.2448	2.3124	8.0800e-003	0.5910	9.7600e-003	0.6008	0.1588	9.1700e-003	0.1680		823.1593	823.1593	0.0355		824.0460

3.3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.0635	29.7307	24.7633	0.0567		1.4249	1.4249		1.3109	1.3109		5,493.4435	5,493.4435	1.7767		5,537.8608

Total	3.0635	29.7307	24.7633	0.0567		1.4249	1.4249		1.3109	1.3109		5,493.4435	5,493.4435	1.7767		5,537.8608
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0319	0.9689	0.2808	2.5000e-003	0.0640	2.0500e-003	0.0661	0.0184	1.9600e-003	0.0204		267.3455	267.3455	0.0173		267.7770
Worker	0.2384	0.1631	1.8413	5.3800e-003	0.5589	4.5200e-003	0.5634	0.1482	4.1600e-003	0.1524		536.1256	536.1256	0.0158		536.5200
Total	0.2703	1.1320	2.1221	7.8800e-003	0.6229	6.5700e-003	0.6295	0.1667	6.1200e-003	0.1728		803.4711	803.4711	0.0330		804.2970

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	3.0635	29.7307	24.7633	0.0567		1.4249	1.4249		1.3109	1.3109	0.0000	5,493.4435	5,493.4435	1.7767		5,537.8608
Total	3.0635	29.7307	24.7633	0.0567		1.4249	1.4249		1.3109	1.3109	0.0000	5,493.4435	5,493.4435	1.7767		5,537.8608

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	0.0319	0.9689	0.2808	2.5000e-003	0.0613	2.0500e-003	0.0633	0.0178	1.9600e-003	0.0197		267.3455	267.3455	0.0173		267.7770
Worker	0.2384	0.1631	1.8413	5.3800e-003	0.5297	4.5200e-003	0.5343	0.1411	4.1600e-003	0.1452		536.1256	536.1256	0.0158		536.5200
Total	0.2703	1.1320	2.1221	7.8800e-003	0.5910	6.5700e-003	0.5976	0.1588	6.1200e-003	0.1649		803.4711	803.4711	0.0330		804.2970

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9986	10.7323	10.3408	0.0198		0.5518	0.5518		0.5077	0.5077		1,915.3637	1,915.3637	0.6195		1,930.8504
Paving	0.0943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0929	10.7323	10.3408	0.0198		0.5518	0.5518		0.5077	0.5077		1,915.3637	1,915.3637	0.6195		1,930.8504

Unmitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0664	0.0471	0.5213	1.4500e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		143.9647	143.9647	4.5400e-003		144.0781
Total	0.0664	0.0471	0.5213	1.4500e-003	0.1453	1.2100e-003	0.1465	0.0385	1.1200e-003	0.0397		143.9647	143.9647	4.5400e-003		144.0781

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	0.9986	10.7323	10.3408	0.0198		0.5518	0.5518		0.5077	0.5077	0.0000	1,915.3637	1,915.3637	0.6195		1,930.8504
Paving	0.0943					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0929	10.7323	10.3408	0.0198		0.5518	0.5518		0.5077	0.5077	0.0000	1,915.3637	1,915.3637	0.6195		1,930.8504

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0471	0.5213	1.4500e-003	0.1377	1.2100e-003	0.1389	0.0367	1.1200e-003	0.0378		143.9647	143.9647	4.5400e-003		144.0781
Total	0.0664	0.0471	0.5213	1.4500e-003	0.1377	1.2100e-003	0.1389	0.0367	1.1200e-003	0.0378		143.9647	143.9647	4.5400e-003		144.0781

3.5 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.6793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	34.9215	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		110.7420	110.7420	3.4900e-003		110.8293
Total	0.0511	0.0363	0.4010	1.1100e-003	0.1118	9.3000e-004	0.1127	0.0296	8.6000e-004	0.0305		110.7420	110.7420	3.4900e-003		110.8293

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	34.6793					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	34.9215	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0511	0.0363	0.4010	1.1100e-003	0.1060	9.3000e-004	0.1069	0.0282	8.6000e-004	0.0291		110.7420	110.7420	3.4900e-003		110.8293
Total	0.0511	0.0363	0.4010	1.1100e-003	0.1060	9.3000e-004	0.1069	0.0282	8.6000e-004	0.0291		110.7420	110.7420	3.4900e-003		110.8293

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
	0.5236	2.6043	7.0197	0.0243	2.0184	0.0211	2.0396	0.5402	0.0197	0.5599	2,468.7651	2,468.7651	0.1341	2,472.1178	
Mitigated	0.5236	2.6043	7.0197	0.0243	2.0184	0.0211	2.0396	0.5402	0.0197	0.5599	2,468.7651	2,468.7651	0.1341	2,472.1178	
Unmitigated	0.5236	2.6043	7.0197	0.0243	2.0184	0.0211	2.0396	0.5402	0.0197	0.5599	2,468.7651	2,468.7651	0.1341	2,472.1178	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	58.48	58.48	58.48	199,835	199,835
Condo/Townhouse High Rise	102.34	102.34	102.34	349,711	349,711
Condo/Townhouse High Rise	43.86	43.86	43.86	149,876	149,876
Condo/Townhouse High Rise	43.86	43.86	43.86	149,876	149,876
Condo/Townhouse High Rise	29.24	29.24	29.24	99,918	99,918
Enclosed Parking Structure	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	277.78	277.78	277.78	949,216	949,216

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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking Structure	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Condo/Townhouse High Rise	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

Enclosed Parking Structure	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891
Parking Lot	0.547192	0.045177	0.202743	0.121510	0.016147	0.006143	0.019743	0.029945	0.002479	0.002270	0.005078	0.000682	0.000891

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	0.0104	0.0884	0.0376	5.6000e-004		7.1500e-003	7.1500e-003		7.1500e-003	7.1500e-003		112.8908	112.8908	2.1600e-003	2.0700e-003	113.5617
NaturalGas Unmitigated	0.0104	0.0884	0.0376	5.6000e-004		7.1500e-003	7.1500e-003		7.1500e-003	7.1500e-003		112.8908	112.8908	2.1600e-003	2.0700e-003	113.5617

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	101.008	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004		11.8832	11.8832	2.3000e-004	2.2000e-004	11.9539
Condo/Townhouse High Rise	151.511	3.2700e-003	0.0279	0.0119	1.8000e-004		2.2600e-003	2.2600e-003		2.2600e-003	2.2600e-003		35.6497	35.6497	6.8000e-004	6.5000e-004	35.8616

Condo/Townhouse High Rise	202.015	2.1800e-003	0.0186	7.9200e-003	1.2000e-004	1.5100e-003	1.5100e-003	1.5100e-003	1.5100e-003	23.7665	23.7665	4.6000e-004	4.4000e-004	23.9077
Condo/Townhouse High Rise	353.526	3.8100e-003	0.0326	0.0139	2.1000e-004	2.6300e-003	2.6300e-003	2.6300e-003	2.6300e-003	41.5914	41.5914	8.0000e-004	7.6000e-004	41.8385
Enclosed Parking Structure	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0104	0.0884	0.0376	5.7000e-004	7.1500e-003	7.1500e-003	7.1500e-003	7.1500e-003	112.8908	112.8908	2.1700e-003	2.0700e-003	113.5617

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
City Park	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	0.151511	3.2700e-003	0.0279	0.0119	1.8000e-004	2.2600e-003	2.2600e-003	2.2600e-003	2.2600e-003	2.2600e-003	2.2600e-003	35.6497	35.6497	35.6497	6.8000e-004	6.5000e-004	35.8616
Condo/Townhouse High Rise	0.202015	2.1800e-003	0.0186	7.9200e-003	1.2000e-004	1.5100e-003	1.5100e-003	1.5100e-003	1.5100e-003	1.5100e-003	1.5100e-003	23.7665	23.7665	23.7665	4.6000e-004	4.4000e-004	23.9077
Condo/Townhouse High Rise	0.353526	3.8100e-003	0.0326	0.0139	2.1000e-004	2.6300e-003	2.6300e-003	2.6300e-003	2.6300e-003	2.6300e-003	2.6300e-003	41.5914	41.5914	41.5914	8.0000e-004	7.6000e-004	41.8385
Condo/Townhouse High Rise	0.101008	1.0900e-003	9.3100e-003	3.9600e-003	6.0000e-005	7.5000e-004	7.5000e-004	7.5000e-004	7.5000e-004	7.5000e-004	7.5000e-004	11.8832	11.8832	11.8832	2.3000e-004	2.2000e-004	11.9539
Enclosed Parking Structure	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	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0104	0.0884	0.0376	5.7000e-004	7.1500e-003	7.1500e-003	7.1500e-003	7.1500e-003	7.1500e-003	7.1500e-003	112.8908	112.8908	112.8908	2.1700e-003	2.0700e-003	113.5617

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2691	0.0364	3.1517	1.7000e-004		0.0174	0.0174		0.0174	0.0174	0.0000	5.6661	5.6661	5.5300e-003	0.0000	5.8042
Unmitigated	1.5826	2.7154	4.2917	0.0173		0.2340	0.2340		0.2340	0.2340	0.0000	3,425.6661	3,425.6661	0.0711	0.0627	3,446.1276

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	0.0950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0779					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3135	2.6790	1.1400	0.0171		0.2166	0.2166		0.2166	0.2166	0.0000	3,420.0000	3,420.0000	0.0656	0.0627	3,440.3234
Landscaping	0.0961	0.0364	3.1517	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6661	5.6661	5.5300e-003		5.8042
Total	1.5826	2.7154	4.2917	0.0173		0.2340	0.2340		0.2340	0.2340	0.0000	3,425.6661	3,425.6661	0.0711	0.0627	3,446.1276

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	0.0950					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0779					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	0.0961	0.0364	3.1517	1.7000e-004		0.0174	0.0174		0.0174	0.0174		5.6661	5.6661	5.5300e-003		5.8042
Total	1.2691	0.0364	3.1517	1.7000e-004		0.0174	0.0174		0.0174	0.0174	0.0000	5.6661	5.6661	5.5300e-003	0.0000	5.8042

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Land Use	Natural Gas Use	Electricity Use	Electricity Use
	(kBTU/yr)	(kWh/yr)	(MWh/yr)
Enclosed parking Structure	0	172368	172
Parking Lot	0	2800	3
Condo/Townhouse High Rise	129,037	16,879	17
Condo/Townhouse High Rise	36,868	25,318	25
Condo/Townhouse High Rise	55,302	33,758	34
Condo/Townhouse High Rise	73,736	59,076	59
City Park	-	-	0
Total kBTU	294,942	135,032	135
Total Therms	2,949	135	

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	Los Angeles County Annual Energy	Percentage Increase Countywide
Electricity	135	67,569,000	0.0002%
Natural Gas	2,949	2,956,000,000	0.0001%

Source: Refer to [Appendix B](#) for CalEEMod assumptions used in this analysis.

Vehicle Type	Percent of Vehicle Trips ¹	Daily Trips ²	Annual Vehicle Miles Traveled ³	Average Fuel Economy (miles per gallon) ⁴	Total Annual Fuel Consumption (gallons) ⁵
Passenger Cars	0.62	--	593825.17	22	26,992
Light/Medium Trucks	0.31	--	295317.40	17.3	17,070
Heavy Trucks/Other	0.07	--	66914.43	6.4	10,455
TOTAL⁶	1.00	--	956,057	--	54,518

Notes:

1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model.
2. Daily Trips calculated by multiplying the total daily trips by percent vehicle trips (i.e., Daily Trips x percent of Vehicle Trips).
3. Daily Vehicle Miles Traveled (VMT) calculated by multiplying percent vehicle trips by total VMT (i.e., VMT x percent of Vehicle Trips).
4. Average fuel economy derived from the Department of Transportation.
5. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy).
6. Values may be slightly off due to rounding.

Source: Refer to [Appendix B](#) for CalEEMod assumptions used in this analysis.

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Grading	Concrete/Industrial Saws	1	8.00	81	0.73	2.3652	8	65	1229.904
	Excavators	1	8.00	158	0.38	2.4016	8	65	1248.832
	Graders	1	6.00	187	0.41	3.0668	6	65	1196.052
	Off-Highway Trucks	1	8.00	402	0.38	6.1104	8	65	3177.408
	Rubber Tired Dozers	1	6.00	247	0.40	3.952	6	65	1541.28
	Tractors/Loaders/Backhoes	1	7.00	97	0.37	1.4356	7	65	653.198
	Trenchers	1	8.00	78	0.50	1.56	8	65	811.2
Building Construction	Cranes	1	6.00	231	0.29	2.6796	6	263	4228.4088
	Forklifts	1	6.00	89	0.20	0.712	6	263	1123.536
	Generator Sets	1	8.00	84	0.74	2.4864	8	263	5231.3856
	Off-Highway Trucks	2	8.00	402	0.38	6.1104	16	263	25712.5632
	Other Construction Equipment	2	8.00	172	0.42	2.8896	16	263	12159.4368
	Pavers	1	8.00	130	0.42	2.184	8	263	4595.136
	Surfacing Equipment	1	8.00	263	0.30	3.156	8	263	6640.224
	Tractors/Loaders/Backhoes	1	8.00	97	0.37	1.4356	8	263	3020.5024
	Trenchers	1	8.00	78	0.50	1.56	8	263	3282.24
Welders	3	8.00	46	0.45	0.828	24	263	5226.336	
Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	10	89.856
Paving	Cement and Mortar Mixers	1	6.00	9	0.56	0.2016	6	45	54.432
	Pavers	1	6.00	130	0.42	2.184	6	45	589.68
	Paving Equipment	1	8.00	132	0.36	1.9008	8	45	684.288
	Rollers	1	7.00	80	0.38	1.216	7	45	383.04
	Surfacing Equipment	1	8.00	263	0.30	3.156	8	45	1136.16
	Tractors/Loaders/Backhoes	1	8.00	97	0.37	1.4356	8	45	516.816
Total:									84,532
Notes:									
Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor									
Where:									
Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.									
Source: Refer to Appendix B for CalEEMod assumptions used in this analysis.									