

APPENDIX B

Construction and Operational Air Quality and GHG Analysis

Annex Construction - CalEEMod Outputs

Summer, Winter, Annual, Mitigation Report

Pomona Corporate Yard - Annex - Los Angeles-South Coast County, Summer

Pomona Corporate Yard - Annex Construction
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	12.50	1000sqft	0.80	12,500.00	0
Unrefrigerated Warehouse-No Rail	7.43	1000sqft	0.47	7,428.00	0
Parking Lot	6.00	Space	0.05	2,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2021		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	592.74	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 intensity factor to account for 33% RPS by 2020

Land Use - Annex (office = 12,500 sf, warehouse = 7,428 sf, parking = 6 spaces)

Construction Phase - Annex Facilities

Vehicle Trips - No new trips assumed for operations

Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day

Energy Mitigation - Assumed 5% improvement vs 2013 Title 24 to comply with 2016 Title 24 for non-residential

Water Mitigation - 20% indoor/outdoor water use reduction assumed to comply with Statewide 2020 goal

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0

tblConstructionPhase	NumDays	10.00	18.00
tblConstructionPhase	NumDays	200.00	223.00
tblConstructionPhase	NumDays	4.00	8.00
tblConstructionPhase	NumDays	10.00	18.00
tblConstructionPhase	NumDays	2.00	5.00
tblLandUse	BuildingSpaceSquareFeet	7,430.00	7,428.00
tblLandUse	LandUseSquareFeet	7,430.00	7,428.00
tblLandUse	LotAcreage	0.29	0.80
tblLandUse	LotAcreage	0.17	0.47
tblProjectCharacteristics	CO2IntensityFactor	702.44	592.74
tblProjectCharacteristics	OperationalYear	2018	2021
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	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					
2017	3.0362	22.2490	14.9976	0.0241	5.8890	1.2365	6.9349	2.9774	1.1925	3.9396	0.0000	2,260.0147	2,260.0147	0.5448	0.0000	2,271.0615
2018	10.6097	17.9516	14.4427	0.0241	0.1453	1.0623	1.1773	0.0385	1.0256	1.0567	0.0000	2,243.8058	2,243.8058	0.4200	0.0000	2,254.3060
Maximum	10.6097	22.2490	14.9976	0.0241	5.8890	1.2365	6.9349	2.9774	1.1925	3.9396	0.0000	2,260.0147	2,260.0147	0.5448	0.0000	2,271.0615

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					
2017	3.0362	22.2490	14.9976	0.0241	2.3513	1.2365	3.3971	1.1757	1.1925	2.1379	0.0000	2,260.0147	2,260.0147	0.5448	0.0000	2,271.0614
2018	10.6097	17.9516	14.4427	0.0241	0.1453	1.0623	1.1773	0.0385	1.0256	1.0567	0.0000	2,243.8058	2,243.8058	0.4200	0.0000	2,254.3060
Maximum	10.6097	22.2490	14.9976	0.0241	2.3513	1.2365	3.3971	1.1757	1.1925	2.1379	0.0000	2,260.0147	2,260.0147	0.5448	0.0000	2,271.0614
Percent Reduction	0.00	0.00	0.00	0.00	58.63	0.00	43.61	59.74	0.00	36.06	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep - Annex	Site Preparation	10/15/2017	10/20/2017	5	5	
2	Grading - Annex	Grading	10/21/2017	11/1/2017	5	8	
3	Bldg Const - Annex	Building Construction	11/2/2017	9/10/2018	5	223	
4	Paving - Annex	Paving	9/11/2018	10/4/2018	5	18	
5	Coatings - Annex	Architectural Coating	10/5/2018	10/30/2018	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.05

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,892; Non-Residential Outdoor: 9,964; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep - Annex	Rubber Tired Dozers	1	7.00	247	0.40
Site Prep - Annex	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Prep - Annex	Graders	1	8.00	187	0.41
Grading - Annex	Graders	1	6.00	187	0.41
Grading - Annex	Rubber Tired Dozers	1	6.00	247	0.40
Grading - Annex	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Bldg Const - Annex	Cranes	1	6.00	231	0.29
Bldg Const - Annex	Forklifts	1	6.00	89	0.20
Bldg Const - Annex	Generator Sets	1	8.00	84	0.74
Bldg Const - Annex	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Bldg Const - Annex	Welders	3	8.00	46	0.45
Paving - Annex	Cement and Mortar Mixers	1	6.00	9	0.56
Paving - Annex	Pavers	1	6.00	130	0.42
Paving - Annex	Paving Equipment	1	8.00	132	0.36

Paving - Annex	Rollers	1	7.00	80	0.38
Paving - Annex	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Coatings - Annex	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep - Annex	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Annex	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Bldg Const - Annex	7	8.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Annex	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coatings - Annex	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Site Prep - Annex - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.9297	22.2106	8.4016	0.0172		1.0451	1.0451		0.9615	0.9615		1,764.238	1,764.238	0.5406		1,777.752
												1	1			1
Total	1.9297	22.2106	8.4016	0.0172	5.7996	1.0451	6.8446	2.9537	0.9615	3.9152		1,764.238	1,764.238	0.5406		1,777.752
												1	1			1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0500	0.0384	0.4925	1.0400e-003	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		103.1134	103.1134	4.2800e-003		103.2204
Total	0.0500	0.0384	0.4925	1.0400e-003	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		103.1134	103.1134	4.2800e-003		103.2204

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					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	1.9297	22.2106	8.4016	0.0172		1.0451	1.0451		0.9615	0.9615	0.0000	1,764.238	1,764.238	0.5406		1,777.752
Total	1.9297	22.2106	8.4016	0.0172	2.2618	1.0451	3.3069	1.1519	0.9615	2.1134	0.0000	1,764.238	1,764.238	0.5406		1,777.752

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	0.0000	0.0000
Worker	0.0500	0.0384	0.4925	1.0400e-003	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		103.1134	103.1134	4.2800e-003		103.2204
Total	0.0500	0.0384	0.4925	1.0400e-003	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		103.1134	103.1134	4.2800e-003		103.2204

3.3 Grading - Annex - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.6023	18.2915	7.0342	0.0141		0.8738	0.8738		0.8039	0.8039		1,444.8958	1,444.8958	0.4427		1,455.9636
Total	1.6023	18.2915	7.0342	0.0141	4.9143	0.8738	5.7880	2.5256	0.8039	3.3295		1,444.8958	1,444.8958	0.4427		1,455.9636

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	0.0500	0.0384	0.4925	1.0400e-003	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		103.1134	103.1134	4.2800e-003		103.2204
Total	0.0500	0.0384	0.4925	1.0400e-003	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		103.1134	103.1134	4.2800e-003		103.2204

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					1.9166	0.0000	1.9166	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	1.6023	18.2915	7.0342	0.0141		0.8738	0.8738		0.8039	0.8039	0.0000	1,444.8958	1,444.8958	0.4427		1,455.9636
Total	1.6023	18.2915	7.0342	0.0141	1.9166	0.8738	2.7903	0.9850	0.8039	1.7888	0.0000	1,444.8958	1,444.8958	0.4427		1,455.9636

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	0.0500	0.0384	0.4925	1.0400e-003	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		103.1134	103.1134	4.2800e-003		103.2204
Total	0.0500	0.0384	0.4925	1.0400e-003	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		103.1134	103.1134	4.2800e-003		103.2204

3.4 Bldg Const - Annex - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875		2,043.8641	2,043.8641	0.4298		2,054.6085

Total	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875		2,043.864	2,043.864	0.4298		2,054.608
												1	1			5

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	0.0209	0.5215	0.1484	1.0600e-003	0.0256	4.3700e-003	0.0300	7.3700e-003	4.1800e-003	0.0116		113.0372	113.0372	7.8200e-003		113.2326
Worker	0.0500	0.0384	0.4925	1.0400e-003	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		103.1134	103.1134	4.2800e-003		103.2204
Total	0.0709	0.5599	0.6409	2.1000e-003	0.1150	5.2000e-003	0.1202	0.0311	4.9500e-003	0.0360		216.1506	216.1506	0.0121		216.4530

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875	0.0000	2,043.864	2,043.864	0.4298		2,054.608
Total	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875	0.0000	2,043.864	2,043.864	0.4298		2,054.608

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	0.0209	0.5215	0.1484	1.0600e-003	0.0256	4.3700e-003	0.0300	7.3700e-003	4.1800e-003	0.0116		113.0372	113.0372	7.8200e-003		113.2326
Worker	0.0500	0.0384	0.4925	1.0400e-003	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		103.1134	103.1134	4.2800e-003		103.2204
Total	0.0709	0.5599	0.6409	2.1000e-003	0.1150	5.2000e-003	0.1202	0.0311	4.9500e-003	0.0360		216.1506	216.1506	0.0121		216.4530

3.4 Bldg Const - Annex - 2018
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216		2,030.8389	2,030.8389	0.4088		2,041.0596
Total	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216		2,030.8389	2,030.8389	0.4088		2,041.0596

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	0.0184	0.4902	0.1340	1.0600e-003	0.0256	3.4500e-003	0.0291	7.3700e-003	3.3000e-003	0.0107		112.6718	112.6718	7.4200e-003		112.8572
Worker	0.0442	0.0334	0.4321	1.0100e-003	0.0894	8.0000e-004	0.0902	0.0237	7.4000e-004	0.0245		100.2952	100.2952	3.7600e-003		100.3892
Total	0.0626	0.5236	0.5661	2.0700e-003	0.1150	4.2500e-003	0.1193	0.0311	4.0400e-003	0.0351		212.9670	212.9670	0.0112		213.2465

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216	0.0000	2,030.8389	2,030.8389	0.4088		2,041.0596
Total	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216	0.0000	2,030.8389	2,030.8389	0.4088		2,041.0596

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	0.0184	0.4902	0.1340	1.0600e-003	0.0256	3.4500e-003	0.0291	7.3700e-003	3.3000e-003	0.0107		112.6718	112.6718	7.4200e-003		112.8572
Worker	0.0442	0.0334	0.4321	1.0100e-003	0.0894	8.0000e-004	0.0902	0.0237	7.4000e-004	0.0245		100.2952	100.2952	3.7600e-003		100.3892
Total	0.0626	0.5236	0.5661	2.0700e-003	0.1150	4.2500e-003	0.1193	0.0311	4.0400e-003	0.0351		212.9670	212.9670	0.0112		213.2465

3.5 Paving - Annex - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	7.2800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0255	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186

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	0.0718	0.0542	0.7021	1.6400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		162.9797	162.9797	6.1100e-003		163.1325
Total	0.0718	0.0542	0.7021	1.6400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		162.9797	162.9797	6.1100e-003		163.1325

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

Paving	7.2800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0255	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

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	0.0718	0.0542	0.7021	1.6400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		162.9797	162.9797	6.1100e-003		163.1325
Total	0.0718	0.0542	0.7021	1.6400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		162.9797	162.9797	6.1100e-003		163.1325

3.6 Coatings - Annex - 2018

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	10.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	10.5986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

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	0.0111	8.3400e-003	0.1080	2.5000e-004	0.0224	2.0000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		25.0738	25.0738	9.4000e-004		25.0973
Total	0.0111	8.3400e-003	0.1080	2.5000e-004	0.0224	2.0000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		25.0738	25.0738	9.4000e-004		25.0973

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	10.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	10.5986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

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	0.0111	8.3400e-003	0.1080	2.5000e-004	0.0224	2.0000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		25.0738	25.0738	9.4000e-004		25.0973
Total	0.0111	8.3400e-003	0.1080	2.5000e-004	0.0224	2.0000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		25.0738	25.0738	9.4000e-004		25.0973

Pomona Corporate Yard - Annex - Los Angeles-South Coast County, Winter

**Pomona Corporate Yard - Annex Construction
Los Angeles-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	12.50	1000sqft	0.80	12,500.00	0
Unrefrigerated Warehouse-No Rail	7.43	1000sqft	0.47	7,428.00	0
Parking Lot	6.00	Space	0.05	2,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2021		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	592.74	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 intensity factor to account for 33% RPS by 2020
 Land Use - Annex (office = 12,500 sf, warehouse = 7,428 sf, parking = 6 spaces)
 Construction Phase - Annex Facilities
 Vehicle Trips - No new trips assumed for operations
 Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day
 Energy Mitigation - Assumed 5% improvement vs 2013 Title 24 to comply with 2016 Title 24 for non-residential
 Water Mitigation - 20% indoor/outdoor water use reduction assumed to comply with Statewide 2020 goal

Table Name	Column Name	Default Value	New Value
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tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	10.00	18.00
tblConstructionPhase	NumDays	200.00	223.00
tblConstructionPhase	NumDays	4.00	8.00
tblConstructionPhase	NumDays	10.00	18.00
tblConstructionPhase	NumDays	2.00	5.00
tblLandUse	BuildingSpaceSquareFeet	7,430.00	7,428.00
tblLandUse	LandUseSquareFeet	7,430.00	7,428.00
tblLandUse	LotAcreage	0.29	0.80
tblLandUse	LotAcreage	0.17	0.47
tblProjectCharacteristics	CO2IntensityFactor	702.44	592.74
tblProjectCharacteristics	OperationalYear	2018	2021
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	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					
2017	3.0424	22.2531	14.9753	0.0241	5.8890	1.2366	6.9349	2.9774	1.1926	3.9396	0.0000	2,251.0725	2,251.0725	0.5446	0.0000	2,262.1266
2018	10.6109	17.9563	14.4218	0.0240	0.1453	1.0623	1.1774	0.0385	1.0257	1.0568	0.0000	2,234.9449	2,234.9449	0.4203	0.0000	2,245.4523
Maximum	10.6109	22.2531	14.9753	0.0241	5.8890	1.2366	6.9349	2.9774	1.1926	3.9396	0.0000	2,251.0725	2,251.0725	0.5446	0.0000	2,262.1266

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					
2017	3.0424	22.2531	14.9753	0.0241	2.3513	1.2366	3.3971	1.1757	1.1926	2.1379	0.0000	2,251.0725	2,251.0725	0.5446	0.0000	2,262.1266
2018	10.6109	17.9563	14.4218	0.0240	0.1453	1.0623	1.1774	0.0385	1.0257	1.0568	0.0000	2,234.9449	2,234.9449	0.4203	0.0000	2,245.4523
Maximum	10.6109	22.2531	14.9753	0.0241	2.3513	1.2366	3.3971	1.1757	1.1926	2.1379	0.0000	2,251.0725	2,251.0725	0.5446	0.0000	2,262.1266
Percent Reduction	0.00	0.00	0.00	0.00	58.63	0.00	43.61	59.74	0.00	36.06	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep - Annex	Site Preparation	10/15/2017	10/20/2017	5	5	
2	Grading - Annex	Grading	10/21/2017	11/1/2017	5	8	
3	Bldg Const - Annex	Building Construction	11/2/2017	9/10/2018	5	223	
4	Paving - Annex	Paving	9/11/2018	10/4/2018	5	18	
5	Coatings - Annex	Architectural Coating	10/5/2018	10/30/2018	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.05

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,892; Non-Residential Outdoor: 9,964; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep - Annex	Rubber Tired Dozers	1	7.00	247	0.40
Site Prep - Annex	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Prep - Annex	Graders	1	8.00	187	0.41
Grading - Annex	Graders	1	6.00	187	0.41
Grading - Annex	Rubber Tired Dozers	1	6.00	247	0.40
Grading - Annex	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Bldg Const - Annex	Cranes	1	6.00	231	0.29
Bldg Const - Annex	Forklifts	1	6.00	89	0.20
Bldg Const - Annex	Generator Sets	1	8.00	84	0.74
Bldg Const - Annex	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Bldg Const - Annex	Welders	3	8.00	46	0.45
Paving - Annex	Cement and Mortar Mixers	1	6.00	9	0.56
Paving - Annex	Pavers	1	6.00	130	0.42
Paving - Annex	Paving Equipment	1	8.00	132	0.36

Paving - Annex	Rollers	1	7.00	80	0.38
Paving - Annex	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Coatings - Annex	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep - Annex	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Annex	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Bldg Const - Annex	7	8.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Annex	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coatings - Annex	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Site Prep - Annex - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.9297	22.2106	8.4016	0.0172		1.0451	1.0451		0.9615	0.9615		1,764.238	1,764.238	0.5406		1,777.752
												1	1			1
Total	1.9297	22.2106	8.4016	0.0172	5.7996	1.0451	6.8446	2.9537	0.9615	3.9152		1,764.238	1,764.238	0.5406		1,777.752
												1	1			1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145
Total	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145

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					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	1.9297	22.2106	8.4016	0.0172		1.0451	1.0451		0.9615	0.9615	0.0000	1,764.238	1,764.238	0.5406		1,777.752
Total	1.9297	22.2106	8.4016	0.0172	2.2618	1.0451	3.3069	1.1519	0.9615	2.1134	0.0000	1,764.238	1,764.238	0.5406		1,777.752

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	0.0000	0.0000
Worker	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145
Total	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145

3.3 Grading - Annex - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9143	0.0000	4.9143	2.5256	0.0000	2.5256			0.0000			0.0000
Off-Road	1.6023	18.2915	7.0342	0.0141		0.8738	0.8738		0.8039	0.8039		1,444.8958	1,444.8958	0.4427		1,455.9636
Total	1.6023	18.2915	7.0342	0.0141	4.9143	0.8738	5.7880	2.5256	0.8039	3.3295		1,444.8958	1,444.8958	0.4427		1,455.9636

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	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145
Total	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145

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					1.9166	0.0000	1.9166	0.9850	0.0000	0.9850			0.0000			0.0000
Off-Road	1.6023	18.2915	7.0342	0.0141		0.8738	0.8738		0.8039	0.8039	0.0000	1,444.8958	1,444.8958	0.4427		1,455.9636
Total	1.6023	18.2915	7.0342	0.0141	1.9166	0.8738	2.7903	0.9850	0.8039	1.7888	0.0000	1,444.8958	1,444.8958	0.4427		1,455.9636

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	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145
Total	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145

3.4 Bldg Const - Annex - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875		2,043.8641	2,043.8641	0.4298		2,054.6085

Total	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875		2,043.864	2,043.864	0.4298		2,054.608
												1	1			5

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	0.0217	0.5234	0.1626	1.0400e-003	0.0256	4.4400e-003	0.0300	7.3700e-003	4.2400e-003	0.0116		110.0954	110.0954	8.3300e-003		110.3037
Worker	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145
Total	0.0771	0.5659	0.6186	2.0200e-003	0.1150	5.2700e-003	0.1203	0.0311	5.0100e-003	0.0361		207.2084	207.2084	0.0124		207.5181

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875	0.0000	2,043.864	2,043.864	0.4298		2,054.608
Total	2.9653	19.2365	14.3568	0.0220		1.2313	1.2313		1.1875	1.1875	0.0000	2,043.864	2,043.864	0.4298		2,054.608
												1	1			5

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	0.0217	0.5234	0.1626	1.0400e-003	0.0256	4.4400e-003	0.0300	7.3700e-003	4.2400e-003	0.0116		110.0954	110.0954	8.3300e-003		110.3037
Worker	0.0553	0.0425	0.4559	9.8000e-004	0.0894	8.3000e-004	0.0903	0.0237	7.7000e-004	0.0245		97.1130	97.1130	4.0600e-003		97.2145
Total	0.0771	0.5659	0.6186	2.0200e-003	0.1150	5.2700e-003	0.1203	0.0311	5.0100e-003	0.0361		207.2084	207.2084	0.0124		207.5181

3.4 Bldg Const - Annex - 2018
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216		2,030.8389	2,030.8389	0.4088		2,041.0596
Total	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216		2,030.8389	2,030.8389	0.4088		2,041.0596

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	0.0192	0.4913	0.1473	1.0300e-003	0.0256	3.5100e-003	0.0291	7.3700e-003	3.3600e-003	0.0107		109.6599	109.6599	7.9100e-003		109.8578
Worker	0.0489	0.0369	0.3978	9.5000e-004	0.0894	8.0000e-004	0.0902	0.0237	7.4000e-004	0.0245		94.4461	94.4461	3.5500e-003		94.5349
Total	0.0681	0.5283	0.5452	1.9800e-003	0.1150	4.3100e-003	0.1193	0.0311	4.1000e-003	0.0352		204.1060	204.1060	0.0115		204.3927

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216	0.0000	2,030.8389	2,030.8389	0.4088		2,041.0596
Total	2.5919	17.4280	13.8766	0.0220		1.0580	1.0580		1.0216	1.0216	0.0000	2,030.8389	2,030.8389	0.4088		2,041.0596

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	0.0192	0.4913	0.1473	1.0300e-003	0.0256	3.5100e-003	0.0291	7.3700e-003	3.3600e-003	0.0107		109.6599	109.6599	7.9100e-003		109.8578
Worker	0.0489	0.0369	0.3978	9.5000e-004	0.0894	8.0000e-004	0.0902	0.0237	7.4000e-004	0.0245		94.4461	94.4461	3.5500e-003		94.5349
Total	0.0681	0.5283	0.5452	1.9800e-003	0.1150	4.3100e-003	0.1193	0.0311	4.1000e-003	0.0352		204.1060	204.1060	0.0115		204.3927

3.5 Paving - Annex - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186
Paving	7.2800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0255	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618		1,346.4360	1,346.4360	0.4113		1,356.7186

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	0.0795	0.0600	0.6465	1.5400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		153.4749	153.4749	5.7800e-003		153.6193
Total	0.0795	0.0600	0.6465	1.5400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		153.4749	153.4749	5.7800e-003		153.6193

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0182	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

Paving	7.2800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0255	10.4525	8.9926	0.0135		0.6097	0.6097		0.5618	0.5618	0.0000	1,346.4360	1,346.4360	0.4113		1,356.7186

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	0.0795	0.0600	0.6465	1.5400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		153.4749	153.4749	5.7800e-003		153.6193
Total	0.0795	0.0600	0.6465	1.5400e-003	0.1453	1.3000e-003	0.1466	0.0385	1.1900e-003	0.0397		153.4749	153.4749	5.7800e-003		153.6193

3.6 Coatings - Annex - 2018

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	10.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	10.5986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

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	0.0122	9.2300e-003	0.0995	2.4000e-004	0.0224	2.0000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		23.6115	23.6115	8.9000e-004		23.6337
Total	0.0122	9.2300e-003	0.0995	2.4000e-004	0.0224	2.0000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		23.6115	23.6115	8.9000e-004		23.6337

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	10.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	10.5986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

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	0.0122	9.2300e-003	0.0995	2.4000e-004	0.0224	2.0000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		23.6115	23.6115	8.9000e-004		23.6337
Total	0.0122	9.2300e-003	0.0995	2.4000e-004	0.0224	2.0000e-004	0.0226	5.9300e-003	1.8000e-004	6.1100e-003		23.6115	23.6115	8.9000e-004		23.6337

Pomona Corporate Yard - Annex - Los Angeles-South Coast County, Annual

Pomona Corporate Yard - Annex Construction
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	12.50	1000sqft	0.80	12,500.00	0
Unrefrigerated Warehouse-No Rail	7.43	1000sqft	0.47	7,428.00	0
Parking Lot	6.00	Space	0.05	2,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year		2021	
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	592.74	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 intensity factor to account for 33% RPS by 2020

Land Use - Annex (office = 12,500 sf, warehouse = 7,428 sf, parking = 6 spaces)

Construction Phase - Annex Facilities

Vehicle Trips - No new trips assumed for operations

Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day

Energy Mitigation - Assumed 5% improvement vs 2013 Title 24 to comply with 2016 Title 24 for non-residential

Water Mitigation - 20% indoor/outdoor water use reduction assumed to comply with Statewide 2020 goal

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0

tblConstructionPhase	NumDays	10.00	18.00
tblConstructionPhase	NumDays	200.00	223.00
tblConstructionPhase	NumDays	4.00	8.00
tblConstructionPhase	NumDays	10.00	18.00
tblConstructionPhase	NumDays	2.00	5.00
tblLandUse	BuildingSpaceSquareFeet	7,430.00	7,428.00
tblLandUse	LandUseSquareFeet	7,430.00	7,428.00
tblLandUse	LotAcreage	0.29	0.80
tblLandUse	LotAcreage	0.17	0.47
tblProjectCharacteristics	CO2IntensityFactor	702.44	592.74
tblProjectCharacteristics	OperationalYear	2018	2021
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	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					
2017	0.0753	0.5451	0.3667	6.1000e-004	0.0371	0.0321	0.0692	0.0183	0.0307	0.0490	0.0000	52.7746	52.7746	0.0113	0.0000	53.0565
2018	0.3456	1.7388	1.4100	2.3400e-003	0.0117	0.1030	0.1147	3.1600e-003	0.0993	0.1024	0.0000	198.5227	198.5227	0.0381	0.0000	199.4757
Maximum	0.3456	1.7388	1.4100	2.3400e-003	0.0371	0.1030	0.1147	0.0183	0.0993	0.1024	0.0000	198.5227	198.5227	0.0381	0.0000	199.4757

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					
2017	0.0753	0.5451	0.3667	6.1000e-004	0.0163	0.0321	0.0483	7.6100e-003	0.0307	0.0383	0.0000	52.7745	52.7745	0.0113	0.0000	53.0564
2018	0.3456	1.7388	1.4100	2.3400e-003	0.0117	0.1030	0.1147	3.1600e-003	0.0992	0.1024	0.0000	198.5225	198.5225	0.0381	0.0000	199.4755
Maximum	0.3456	1.7388	1.4100	2.3400e-003	0.0163	0.1030	0.1147	7.6100e-003	0.0992	0.1024	0.0000	198.5225	198.5225	0.0381	0.0000	199.4755

	ROG	NOx	CO	SO2	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	42.71	0.00	11.33	49.77	0.01	7.05	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep - Annex	Site Preparation	10/15/2017	10/20/2017	5	5	
2	Grading - Annex	Grading	10/21/2017	11/1/2017	5	8	
3	Bldg Const - Annex	Building Construction	11/2/2017	9/10/2018	5	223	
4	Paving - Annex	Paving	9/11/2018	10/4/2018	5	18	
5	Coatings - Annex	Architectural Coating	10/5/2018	10/30/2018	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.05

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,892; Non-Residential Outdoor: 9,964; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep - Annex	Rubber Tired Dozers	1	7.00	247	0.40
Site Prep - Annex	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Prep - Annex	Graders	1	8.00	187	0.41
Grading - Annex	Graders	1	6.00	187	0.41
Grading - Annex	Rubber Tired Dozers	1	6.00	247	0.40
Grading - Annex	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Bldg Const - Annex	Cranes	1	6.00	231	0.29
Bldg Const - Annex	Forklifts	1	6.00	89	0.20
Bldg Const - Annex	Generator Sets	1	8.00	84	0.74
Bldg Const - Annex	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Bldg Const - Annex	Welders	3	8.00	46	0.45
Paving - Annex	Cement and Mortar Mixers	1	6.00	9	0.56
Paving - Annex	Pavers	1	6.00	130	0.42
Paving - Annex	Paving Equipment	1	8.00	132	0.36

Paving - Annex	Rollers	1	7.00	80	0.38
Paving - Annex	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Coatings - Annex	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Prep - Annex	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Annex	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Bldg Const - Annex	7	8.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving - Annex	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coatings - Annex	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Site Prep - Annex - 2017

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					0.0145	0.0000	0.0145	7.3800e-003	0.0000	7.3800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8200e-003	0.0555	0.0210	4.0000e-005		2.6100e-003	2.6100e-003		2.4000e-003	2.4000e-003	0.0000	4.0012	4.0012	1.2300e-003	0.0000	4.0319
Total	4.8200e-003	0.0555	0.0210	4.0000e-005	0.0145	2.6100e-003	0.0171	7.3800e-003	2.4000e-003	9.7800e-003	0.0000	4.0012	4.0012	1.2300e-003	0.0000	4.0319

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	1.3000e-004	1.1000e-004	1.1700e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2241
Total	1.3000e-004	1.1000e-004	1.1700e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2241

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.6500e-003	0.0000	5.6500e-003	2.8800e-003	0.0000	2.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.8200e-003	0.0555	0.0210	4.0000e-005		2.6100e-003	2.6100e-003		2.4000e-003	2.4000e-003	0.0000	4.0012	4.0012	1.2300e-003	0.0000	4.0319
Total	4.8200e-003	0.0555	0.0210	4.0000e-005	5.6500e-003	2.6100e-003	8.2600e-003	2.8800e-003	2.4000e-003	5.2800e-003	0.0000	4.0012	4.0012	1.2300e-003	0.0000	4.0319

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	1.3000e-004	1.1000e-004	1.1700e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2241
Total	1.3000e-004	1.1000e-004	1.1700e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2239	0.2239	1.0000e-005	0.0000	0.2241

3.3 Grading - Annex - 2017

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					0.0197	0.0000	0.0197	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4100e-003	0.0732	0.0281	6.0000e-005		3.5000e-003	3.5000e-003		3.2200e-003	3.2200e-003	0.0000	5.2432	5.2432	1.6100e-003	0.0000	5.2833
Total	6.4100e-003	0.0732	0.0281	6.0000e-005	0.0197	3.5000e-003	0.0232	0.0101	3.2200e-003	0.0133	0.0000	5.2432	5.2432	1.6100e-003	0.0000	5.2833

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	2.0000e-004	1.7000e-004	1.8700e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3582	0.3582	1.0000e-005	0.0000	0.3586
Total	2.0000e-004	1.7000e-004	1.8700e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3582	0.3582	1.0000e-005	0.0000	0.3586

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.6700e-003	0.0000	7.6700e-003	3.9400e-003	0.0000	3.9400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4100e-003	0.0732	0.0281	6.0000e-005		3.4900e-003	3.4900e-003		3.2200e-003	3.2200e-003	0.0000	5.2431	5.2431	1.6100e-003	0.0000	5.2833
Total	6.4100e-003	0.0732	0.0281	6.0000e-005	7.6700e-003	3.4900e-003	0.0112	3.9400e-003	3.2200e-003	7.1600e-003	0.0000	5.2431	5.2431	1.6100e-003	0.0000	5.2833

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	2.0000e-004	1.7000e-004	1.8700e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3582	0.3582	1.0000e-005	0.0000	0.3586
Total	2.0000e-004	1.7000e-004	1.8700e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3582	0.3582	1.0000e-005	0.0000	0.3586

3.4 Bldg Const - Annex - 2017

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	0.0623	0.4040	0.3015	4.6000e-004		0.0259	0.0259		0.0249	0.0249	0.0000	38.9374	38.9374	8.1900e-003	0.0000	39.1421

Total	0.0623	0.4040	0.3015	4.6000e-004		0.0259	0.0259		0.0249	0.0249	0.0000	38.9374	38.9374	8.1900e-003	0.0000	39.1421
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5000e-004	0.0112	3.2700e-003	2.0000e-005	5.3000e-004	9.0000e-005	6.2000e-004	1.5000e-004	9.0000e-005	2.4000e-004	0.0000	2.1299	2.1299	1.5000e-004	0.0000	2.1338
Worker	1.0600e-003	9.2000e-004	9.8000e-003	2.0000e-005	1.8400e-003	2.0000e-005	1.8600e-003	4.9000e-004	2.0000e-005	5.1000e-004	0.0000	1.8808	1.8808	8.0000e-005	0.0000	1.8827
Total	1.5100e-003	0.0121	0.0131	4.0000e-005	2.3700e-003	1.1000e-004	2.4800e-003	6.4000e-004	1.1000e-004	7.5000e-004	0.0000	4.0107	4.0107	2.3000e-004	0.0000	4.0165

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	0.0623	0.4040	0.3015	4.6000e-004		0.0259	0.0259		0.0249	0.0249	0.0000	38.9374	38.9374	8.1900e-003	0.0000	39.1421
Total	0.0623	0.4040	0.3015	4.6000e-004		0.0259	0.0259		0.0249	0.0249	0.0000	38.9374	38.9374	8.1900e-003	0.0000	39.1421

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	4.5000e-004	0.0112	3.2700e-003	2.0000e-005	5.3000e-004	9.0000e-005	6.2000e-004	1.5000e-004	9.0000e-005	2.4000e-004	0.0000	2.1299	2.1299	1.5000e-004	0.0000	2.1338
Worker	1.0600e-003	9.2000e-004	9.8000e-003	2.0000e-005	1.8400e-003	2.0000e-005	1.8600e-003	4.9000e-004	2.0000e-005	5.1000e-004	0.0000	1.8808	1.8808	8.0000e-005	0.0000	1.8827
Total	1.5100e-003	0.0121	0.0131	4.0000e-005	2.3700e-003	1.1000e-004	2.4800e-003	6.4000e-004	1.1000e-004	7.5000e-004	0.0000	4.0107	4.0107	2.3000e-004	0.0000	4.0165

3.4 Bldg Const - Annex - 2018
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	0.2346	1.5772	1.2558	1.9900e-003		0.0958	0.0958		0.0925	0.0925	0.0000	166.7323	166.7323	0.0336	0.0000	167.5714
Total	0.2346	1.5772	1.2558	1.9900e-003		0.0958	0.0958		0.0925	0.0925	0.0000	166.7323	166.7323	0.0336	0.0000	167.5714

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	1.7000e-003	0.0453	0.0128	9.0000e-005	2.2800e-003	3.1000e-004	2.5900e-003	6.6000e-004	3.0000e-004	9.6000e-004	0.0000	9.1465	9.1465	6.3000e-004	0.0000	9.1622
Worker	4.0100e-003	3.4300e-003	0.0369	9.0000e-005	7.9300e-003	7.0000e-005	8.0100e-003	2.1100e-003	7.0000e-005	2.1700e-003	0.0000	7.8829	7.8829	3.0000e-004	0.0000	7.8903
Total	5.7100e-003	0.0488	0.0497	1.8000e-004	0.0102	3.8000e-004	0.0106	2.7700e-003	3.7000e-004	3.1300e-003	0.0000	17.0294	17.0294	9.3000e-004	0.0000	17.0525

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	0.2346	1.5772	1.2558	1.9900e-003		0.0958	0.0958		0.0925	0.0925	0.0000	166.7321	166.7321	0.0336	0.0000	167.5712
Total	0.2346	1.5772	1.2558	1.9900e-003		0.0958	0.0958		0.0925	0.0925	0.0000	166.7321	166.7321	0.0336	0.0000	167.5712

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	1.7000e-003	0.0453	0.0128	9.0000e-005	2.2800e-003	3.1000e-004	2.5900e-003	6.6000e-004	3.0000e-004	9.6000e-004	0.0000	9.1465	9.1465	6.3000e-004	0.0000	9.1622
Worker	4.0100e-003	3.4300e-003	0.0369	9.0000e-005	7.9300e-003	7.0000e-005	8.0100e-003	2.1100e-003	7.0000e-005	2.1700e-003	0.0000	7.8829	7.8829	3.0000e-004	0.0000	7.8903
Total	5.7100e-003	0.0488	0.0497	1.8000e-004	0.0102	3.8000e-004	0.0106	2.7700e-003	3.7000e-004	3.1300e-003	0.0000	17.0294	17.0294	9.3000e-004	0.0000	17.0525

3.5 Paving - Annex - 2018

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	9.1600e-003	0.0941	0.0809	1.2000e-004		5.4900e-003	5.4900e-003		5.0600e-003	5.0600e-003	0.0000	10.9932	10.9932	3.3600e-003	0.0000	11.0772
Paving	7.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.2300e-003	0.0941	0.0809	1.2000e-004		5.4900e-003	5.4900e-003		5.0600e-003	5.0600e-003	0.0000	10.9932	10.9932	3.3600e-003	0.0000	11.0772

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.5000e-004	5.9700e-003	1.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.2739	1.2739	5.0000e-005	0.0000	1.2751
Total	6.5000e-004	5.5000e-004	5.9700e-003	1.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.2739	1.2739	5.0000e-005	0.0000	1.2751

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	9.1600e-003	0.0941	0.0809	1.2000e-004		5.4900e-003	5.4900e-003		5.0600e-003	5.0600e-003	0.0000	10.9932	10.9932	3.3600e-003	0.0000	11.0771

Paving	7.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.2300e-003	0.0941	0.0809	1.2000e-004		5.4900e-003	5.4900e-003		5.0600e-003	5.0600e-003	0.0000	10.9932	10.9932	3.3600e-003	0.0000	11.0771

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.5000e-004	5.9700e-003	1.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.2739	1.2739	5.0000e-005	0.0000	1.2751
Total	6.5000e-004	5.5000e-004	5.9700e-003	1.0000e-005	1.2800e-003	1.0000e-005	1.2900e-003	3.4000e-004	1.0000e-005	3.5000e-004	0.0000	1.2739	1.2739	5.0000e-005	0.0000	1.2751

3.6 Coatings - Annex - 2018

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	0.0927					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6900e-003	0.0181	0.0167	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	2.2979	2.2979	2.2000e-004	0.0000	2.3034
Total	0.0954	0.0181	0.0167	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	2.2979	2.2979	2.2000e-004	0.0000	2.3034

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	1.0000e-004	9.0000e-005	9.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1960	0.1960	1.0000e-005	0.0000	0.1962
Total	1.0000e-004	9.0000e-005	9.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1960	0.1960	1.0000e-005	0.0000	0.1962

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	0.0927					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6900e-003	0.0181	0.0167	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	2.2979	2.2979	2.2000e-004	0.0000	2.3034
Total	0.0954	0.0181	0.0167	3.0000e-005		1.3500e-003	1.3500e-003		1.3500e-003	1.3500e-003	0.0000	2.2979	2.2979	2.2000e-004	0.0000	2.3034

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	1.0000e-004	9.0000e-005	9.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1960	0.1960	1.0000e-005	0.0000	0.1962
Total	1.0000e-004	9.0000e-005	9.2000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1960	0.1960	1.0000e-005	0.0000	0.1962

Pomona Corporate Yard - Annex Construction
Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Bldg Const - Annex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coatings - Annex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading - Annex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving - Annex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Prep - Annex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cement and Mortar Mixers	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	1	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	2	No Change	0.00
Pavers	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	1	No Change	0.00

Rollers	Diesel	No Change	0	1	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	4	No Change	0.00
Welders	Diesel	No Change	0	3	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr						Unmitigated mt/yr						
Air Compressors	2.69000E-003	1.80500E-002	1.66900E-002	3.00000E-005	1.35000E-003	1.35000E-003	0.00000E+000	2.29793E+000	2.29793E+000	2.20000E-004	0.00000E+000	2.30339E+000
Cement and Mortar Mixers	4.00000E-004	2.49000E-003	2.08000E-003	0.00000E+000	1.00000E-004	1.00000E-004	0.00000E+000	3.09340E+001	3.09340E+001	3.00000E-005	0.00000E+000	3.10140E+001
Cranes	4.91700E-002	5.86810E-001	2.15540E-001	4.80000E-004	2.55600E-002	2.35100E-002	0.00000E+000	4.41806E+001	4.41806E+001	1.37100E-002	0.00000E+000	4.45234E+001
Forklifts	1.54100E-002	1.35630E-001	1.01890E-001	1.30000E-004	1.09000E-002	1.00300E-002	0.00000E+000	1.17021E+001	1.17021E+001	3.63000E-003	0.00000E+000	1.17929E+001
Generator Sets	5.77100E-002	4.66010E-001	4.18370E-001	7.30000E-004	3.00200E-002	3.00200E-002	0.00000E+000	6.30206E+001	6.30206E+001	4.65000E-003	0.00000E+000	6.31369E+001
Graders	2.95000E-003	4.10900E-002	1.07800E-002	4.00000E-005	1.34000E-003	1.23000E-003	0.00000E+000	3.39913E+000	3.39913E+000	1.04000E-003	0.00000E+000	3.42517E+000
Pavers	2.20000E-003	2.43600E-002	1.97500E-002	3.00000E-005	1.19000E-003	1.09000E-003	0.00000E+000	2.89723E+000	2.89723E+000	9.00000E-004	0.00000E+000	2.91978E+000
Paving Equipment	2.14000E-003	2.39300E-002	2.28300E-002	4.00000E-005	1.17000E-003	1.08000E-003	0.00000E+000	3.34755E+000	3.34755E+000	1.04000E-003	0.00000E+000	3.37361E+000
Rollers	2.03000E-003	1.96400E-002	1.52400E-002	2.00000E-005	1.35000E-003	1.24000E-003	0.00000E+000	1.88537E+000	1.88537E+000	5.90000E-004	0.00000E+000	1.90004E+000
Rubber Tired Dozers	6.39000E-003	6.93400E-002	2.40000E-002	4.00000E-005	3.39000E-003	3.12000E-003	0.00000E+000	4.11289E+000	4.11289E+000	1.26000E-003	0.00000E+000	4.14439E+000
Tractors/Loaders/Backhoes	2.73500E-002	2.68360E-001	2.31700E-001	3.10000E-004	1.93000E-002	1.77600E-002	0.00000E+000	2.80927E+001	2.80927E+001	8.71000E-003	0.00000E+000	2.83106E+001
Welders	1.51490E-001	5.66310E-001	6.25220E-001	8.50000E-004	3.88800E-002	3.88800E-002	0.00000E+000	6.29598E+001	6.29598E+001	1.23700E-002	0.00000E+000	6.32690E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr						Mitigated mt/yr						
Air Compressors	2.69000E-003	1.80500E-002	1.66900E-002	3.00000E-005	1.35000E-003	1.35000E-003	0.00000E+000	2.29793E+000	2.29793E+000	2.20000E-004	0.00000E+000	2.30339E+000
Cement and Mortar Mixers	4.00000E-004	2.49000E-003	2.08000E-003	0.00000E+000	1.00000E-004	1.00000E-004	0.00000E+000	3.09340E+001	3.09340E+001	3.00000E-005	0.00000E+000	3.10140E+001
Cranes	4.91700E-002	5.86810E-001	2.15540E-001	4.80000E-004	2.55600E-002	2.35100E-002	0.00000E+000	4.41805E+001	4.41805E+001	1.37100E-002	0.00000E+000	4.45233E+001
Forklifts	1.54100E-002	1.35630E-001	1.01890E-001	1.30000E-004	1.09000E-002	1.00300E-002	0.00000E+000	1.17021E+001	1.17021E+001	3.63000E-003	0.00000E+000	1.17929E+001
Generator Sets	5.77100E-002	4.66010E-001	4.18370E-001	7.30000E-004	3.00200E-002	3.00200E-002	0.00000E+000	6.30206E+001	6.30206E+001	4.65000E-003	0.00000E+000	6.31368E+001

Graders	2.95000E-003	4.10900E-002	1.07800E-002	4.00000E-005	1.34000E-003	1.23000E-003	0.00000E+000	3.39913E+000	3.39913E+000	1.04000E-003	0.00000E+000	3.42517E+000
Pavers	2.20000E-003	2.43600E-002	1.97500E-002	3.00000E-005	1.19000E-003	1.09000E-003	0.00000E+000	2.89722E+000	2.89722E+000	9.00000E-004	0.00000E+000	2.91977E+000
Paving Equipment	2.14000E-003	2.39300E-002	2.28300E-002	4.00000E-005	1.17000E-003	1.08000E-003	0.00000E+000	3.34755E+000	3.34755E+000	1.04000E-003	0.00000E+000	3.37360E+000
Rollers	2.03000E-003	1.96400E-002	1.52400E-002	2.00000E-005	1.35000E-003	1.24000E-003	0.00000E+000	1.88537E+000	1.88537E+000	5.90000E-004	0.00000E+000	1.90004E+000
Rubber Tired Dozers	6.39000E-003	6.93400E-002	2.40000E-002	4.00000E-005	3.39000E-003	3.12000E-003	0.00000E+000	4.11289E+000	4.11289E+000	1.26000E-003	0.00000E+000	4.14439E+000
Tractors/Loaders/Bac khoes	2.73500E-002	2.68360E-001	2.31700E-001	3.10000E-004	1.93000E-002	1.77600E-002	0.00000E+000	2.80927E+001	2.80927E+001	8.71000E-003	0.00000E+000	2.83106E+001
Welders	1.51490E-001	5.66310E-001	6.25220E-001	8.50000E-004	3.88800E-002	3.88800E-002	0.00000E+000	6.29597E+001	6.29597E+001	1.23700E-002	0.00000E+000	6.32689E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.13172E-006	1.13172E-006	0.00000E+000	0.00000E+000	1.34761E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.70910E-006	1.70910E-006	0.00000E+000	0.00000E+000	8.47969E-007
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.11075E-006	1.11075E-006	0.00000E+000	0.00000E+000	1.26709E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.45157E-006	3.45157E-006	0.00000E+000	0.00000E+000	3.42492E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.96418E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Bac khoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.06789E-006	1.06789E-006	0.00000E+000	0.00000E+000	1.05967E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.11182E-006	1.11182E-006	0.00000E+000	0.00000E+000	1.26444E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction 0.00

No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00	Frequency (per day)	3.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	0.00		
Yes	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Bldg Const - Annex	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Bldg Const - Annex	Roads	0.01	0.00	0.01	0.00	0.00	0.00
Coatings - Annex	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Coatings - Annex	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading - Annex	Fugitive Dust	0.02	0.01	0.01	0.00	0.61	0.61
Grading - Annex	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving - Annex	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving - Annex	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Prep - Annex	Fugitive Dust	0.01	0.01	0.01	0.00	0.61	0.61
Site Prep - Annex	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Water Yard and Sewer Lot Construction - CalEEMod Outputs

Summer, Winter, Annual, Mitigation Report

Pomona Corporate Yard - Water Yard & Sewer Lot - Los Angeles-South Coast County, Summer

Pomona Corporate Yard - Water Yard & Sewer Lot Construction
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	15.63	1000sqft	0.95	15,630.00	0
Parking Lot	60.00	Space	0.54	24,000.00	0
Parking Lot	31.00	Space	0.28	12,400.00	0
Parking Lot	76.00	Space	0.69	30,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	592.74	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 intensity factor to account for 33% RPS by 2020
 Land Use - Water Yard (light industry = 15,630 sf, parking= 91 spaces); Sewer Lot (parking = 76 spaces)
 Construction Phase - Water Yard-Sewer Lot
 Vehicle Trips - No net new trips assumed for operations
 Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day
 Energy Mitigation - Assumed 5% improvement vs 2013 Title 24 to comply with 2016 Title 24 for non-residential
 Water Mitigation - 20% indoor/outdoor water use reduction assumed to comply with Statewide 2020 goal

Table Name	Column Name	Default Value	New Value
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tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	10.00	18.00
tblConstructionPhase	NumDays	220.00	223.00
tblConstructionPhase	NumDays	6.00	8.00
tblConstructionPhase	NumDays	10.00	35.00
tblConstructionPhase	NumDays	3.00	5.00
tblLandUse	LotAcreage	0.36	0.95
tblLandUse	LotAcreage	0.68	0.69
tblProjectCharacteristics	CO2IntensityFactor	702.44	592.74
tblProjectCharacteristics	OperationalYear	2018	2021
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	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	2.7911	22.7811	17.3720	0.0329	6.6641	1.1039	7.7381	3.3971	1.0579	4.3851	0.0000	3,127.019 4	3,127.019 4	0.7711	0.0000	3,140.034 4
2020	9.3559	19.0374	16.8198	0.0328	0.4809	0.9585	1.4393	0.1296	0.9186	1.0482	0.0000	3,088.361 8	3,088.361 8	0.5473	0.0000	3,100.891 6
Maximum	9.3559	22.7811	17.3720	0.0329	6.6641	1.1039	7.7381	3.3971	1.0579	4.3851	0.0000	3,127.019 4	3,127.019 4	0.7711	0.0000	3,140.034 4

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	2.7911	22.7811	17.3720	0.0329	2.6672	1.1039	3.7411	1.3430	1.0579	2.3310	0.0000	3,127.019 4	3,127.019 4	0.7711	0.0000	3,140.034 4
2020	9.3559	19.0374	16.8198	0.0328	0.4809	0.9585	1.4393	0.1296	0.9186	1.0482	0.0000	3,088.361 8	3,088.361 8	0.5473	0.0000	3,100.891 6
Maximum	9.3559	22.7811	17.3720	0.0329	2.6672	1.1039	3.7411	1.3430	1.0579	2.3310	0.0000	3,127.019 4	3,127.019 4	0.7711	0.0000	3,140.034 4

	ROG	NOx	CO	SO2	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	55.94	0.00	43.55	58.25	0.00	37.81	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	7/15/2019	7/19/2019	5	5	
2	Grading	Grading	7/20/2019	7/31/2019	5	8	
3	Bldg Const	Building Construction	8/1/2019	2/2/2020	5	223	
4	Paving	Paving	2/3/2020	3/22/2020	5	35	
5	Coatings	Architectural Coating	3/23/2020	4/15/2020	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.51

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 23,445; Non-Residential Outdoor: 7,815; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	187	0.41
Site Prep	Scrapers	1	8.00	367	0.48
Site Prep	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Bldg Const	Cranes	1	8.00	231	0.29
Bldg Const	Forklifts	2	7.00	89	0.20
Bldg Const	Generator Sets	1	8.00	84	0.74
Bldg Const	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Bldg Const	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Coatings	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Site Prep		3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading		4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Bldg Const		8	35.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coatings		1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Site Prep - 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					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.7557	21.5386	11.9143	0.0245		0.8537	0.8537		0.7854	0.7854		2,426.5408	2,426.5408	0.7677		2,445.7341
Total	1.7557	21.5386	11.9143	0.0245	1.5908	0.8537	2.4445	0.1718	0.7854	0.9572		2,426.5408	2,426.5408	0.7677		2,445.7341

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	0.0400	0.0294	0.3857	9.7000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		97.0362	97.0362	3.3300e-003		97.1196
Total	0.0400	0.0294	0.3857	9.7000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		97.0362	97.0362	3.3300e-003		97.1196

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	1.7557	21.5386	11.9143	0.0245		0.8537	0.8537		0.7854	0.7854	0.0000	2,426.5408	2,426.5408	0.7677		2,445.7341
Total	1.7557	21.5386	11.9143	0.0245	0.6204	0.8537	1.4741	0.0670	0.7854	0.8524	0.0000	2,426.5408	2,426.5408	0.7677		2,445.7341

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	0.0000	0.0000
Worker	0.0400	0.0294	0.3857	9.7000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		97.0362	97.0362	3.3300e-003		97.1196
Total	0.0400	0.0294	0.3857	9.7000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		97.0362	97.0362	3.3300e-003		97.1196

3.3 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871		2,041.2539	2,041.2539	0.6458		2,057.3997
Total	2.0287	22.7444	10.1518	0.0206	6.5523	1.0730	7.6253	3.3675	0.9871	4.3546		2,041.2539	2,041.2539	0.6458		2,057.3997

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	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		121.2953	121.2953	4.1700e-003		121.3995
Total	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		121.2953	121.2953	4.1700e-003		121.3995

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					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997
Total	2.0287	22.7444	10.1518	0.0206	2.5554	1.0730	3.6284	1.3133	0.9871	2.3005	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997

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	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		121.2953	121.2953	4.1700e-003		121.3995
Total	0.0500	0.0367	0.4822	1.2200e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		121.2953	121.2953	4.1700e-003		121.3995

3.4 Bldg Const - 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	2.5581	18.9103	15.2545	0.0250		1.0901	1.0901		1.0449	1.0449		2,312.1454	2,312.1454	0.4810		2,324.1705

Total	2.5581	18.9103	15.2545	0.0250		1.0901	1.0901		1.0449	1.0449		2,312.145	2,312.145	0.4810		2,324.170
												4	4			5

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	0.0582	1.6202	0.4299	3.6600e-003	0.0896	0.0103	0.1000	0.0258	9.8800e-003	0.0357		390.3405	390.3405	0.0250		390.9658
Worker	0.1749	0.1285	1.6876	4.2700e-003	0.3912	3.3700e-003	0.3946	0.1038	3.1100e-003	0.1069		424.5335	424.5335	0.0146		424.8981
Total	0.2330	1.7487	2.1175	7.9300e-003	0.4809	0.0137	0.4946	0.1296	0.0130	0.1426		814.8740	814.8740	0.0396		815.8639

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5581	18.9103	15.2545	0.0250		1.0901	1.0901		1.0449	1.0449	0.0000	2,312.145	2,312.145	0.4810		2,324.170
Total	2.5581	18.9103	15.2545	0.0250		1.0901	1.0901		1.0449	1.0449	0.0000	2,312.145	2,312.145	0.4810		2,324.170
												4	4			5

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	0.0582	1.6202	0.4299	3.6600e-003	0.0896	0.0103	0.1000	0.0258	9.8800e-003	0.0357		390.3405	390.3405	0.0250		390.9658
Worker	0.1749	0.1285	1.6876	4.2700e-003	0.3912	3.3700e-003	0.3946	0.1038	3.1100e-003	0.1069		424.5335	424.5335	0.0146		424.8981
Total	0.2330	1.7487	2.1175	7.9300e-003	0.4809	0.0137	0.4946	0.1296	0.0130	0.1426		814.8740	814.8740	0.0396		815.8639

3.4 Bldg Const - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
Total	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014

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	0.0498	1.4892	0.3902	3.6300e-003	0.0896	7.0100e-003	0.0966	0.0258	6.7000e-003	0.0325		387.8346	387.8346	0.0237		388.4263
Worker	0.1611	0.1146	1.5325	4.1300e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		411.6395	411.6395	0.0130		411.9640
Total	0.2109	1.6038	1.9227	7.7600e-003	0.4809	0.0103	0.4911	0.1296	9.7100e-003	0.1393		799.4741	799.4741	0.0367		800.3902

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
Total	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014

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	0.0498	1.4892	0.3902	3.6300e-003	0.0896	7.0100e-003	0.0966	0.0258	6.7000e-003	0.0325		387.8346	387.8346	0.0237		388.4263
Worker	0.1611	0.1146	1.5325	4.1300e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		411.6395	411.6395	0.0130		411.9640
Total	0.2109	1.6038	1.9227	7.7600e-003	0.4809	0.0103	0.4911	0.1296	9.7100e-003	0.1393		799.4741	799.4741	0.0367		800.3902

3.5 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	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.1130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2677	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

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	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Paving	0.1130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2677	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

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	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

3.6 Coatings - 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	9.0815					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	9.3237	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	0.0322	0.0229	0.3065	8.3000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		82.3279	82.3279	2.6000e-003		82.3928
Total	0.0322	0.0229	0.3065	8.3000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		82.3279	82.3279	2.6000e-003		82.3928

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	9.0815					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	9.3237	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	0.0322	0.0229	0.3065	8.3000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		82.3279	82.3279	2.6000e-003		82.3928
Total	0.0322	0.0229	0.3065	8.3000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		82.3279	82.3279	2.6000e-003		82.3928

Pomona Corporate Yard - Water Yard & Sewer Lot - Los Angeles-South Coast County, Winter

Pomona Corporate Yard - Water Yard & Sewer Lot Construction
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	15.63	1000sqft	0.95	15,630.00	0
Parking Lot	60.00	Space	0.54	24,000.00	0
Parking Lot	31.00	Space	0.28	12,400.00	0
Parking Lot	76.00	Space	0.69	30,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2021		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	592.74	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 intensity factor to account for 33% RPS by 2020
 Land Use - Water Yard (light industry = 15,630 sf, parking= 91 spaces); Sewer Lot (parking = 76 spaces)
 Construction Phase - Water Yard-Sewer Lot
 Vehicle Trips - No net new trips assumed for operations
 Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day
 Energy Mitigation - Assumed 5% improvement vs 2013 Title 24 to comply with 2016 Title 24 for non-residential
 Water Mitigation - 20% indoor/outdoor water use reduction assumed to comply with Statewide 2020 goal

Table Name	Column Name	Default Value	New Value
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tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	10.00	18.00
tblConstructionPhase	NumDays	220.00	223.00
tblConstructionPhase	NumDays	6.00	8.00
tblConstructionPhase	NumDays	10.00	35.00
tblConstructionPhase	NumDays	3.00	5.00
tblLandUse	LotAcreage	0.36	0.95
tblLandUse	LotAcreage	0.68	0.69
tblProjectCharacteristics	CO2IntensityFactor	702.44	592.74
tblProjectCharacteristics	OperationalYear	2018	2021
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	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	2.8125	22.7851	17.2770	0.0326	6.6641	1.1040	7.7381	3.3971	1.0581	4.3851	0.0000	3,091.679 2	3,091.679 2	0.7709	0.0000	3,104.715 0
2020	9.3595	19.0494	16.7311	0.0324	0.4809	0.9586	1.4394	0.1296	0.9187	1.0483	0.0000	3,053.713 6	3,053.713 6	0.5469	0.0000	3,066.263 3
Maximum	9.3595	22.7851	17.2770	0.0326	6.6641	1.1040	7.7381	3.3971	1.0581	4.3851	0.0000	3,091.679 2	3,091.679 2	0.7709	0.0000	3,104.715 0

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	2.8125	22.7851	17.2770	0.0326	2.6672	1.1040	3.7411	1.3430	1.0581	2.3310	0.0000	3,091.679 2	3,091.679 2	0.7709	0.0000	3,104.715 0
2020	9.3595	19.0494	16.7311	0.0324	0.4809	0.9586	1.4394	0.1296	0.9187	1.0483	0.0000	3,053.713 6	3,053.713 6	0.5469	0.0000	3,066.263 3
Maximum	9.3595	22.7851	17.2770	0.0326	2.6672	1.1040	3.7411	1.3430	1.0581	2.3310	0.0000	3,091.679 2	3,091.679 2	0.7709	0.0000	3,104.715 0

	ROG	NOx	CO	SO2	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	55.94	0.00	43.55	58.25	0.00	37.81	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	7/15/2019	7/19/2019	5	5	
2	Grading	Grading	7/20/2019	7/31/2019	5	8	
3	Bldg Const	Building Construction	8/1/2019	2/2/2020	5	223	
4	Paving	Paving	2/3/2020	3/22/2020	5	35	
5	Coatings	Architectural Coating	3/23/2020	4/15/2020	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.51

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 23,445; Non-Residential Outdoor: 7,815; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	187	0.41
Site Prep	Scrapers	1	8.00	367	0.48
Site Prep	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Bldg Const	Cranes	1	8.00	231	0.29
Bldg Const	Forklifts	2	7.00	89	0.20
Bldg Const	Generator Sets	1	8.00	84	0.74
Bldg Const	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Bldg Const	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Coatings	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Site Prep		3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading		4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Bldg Const		8	35.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coatings		1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Site Prep - 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					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.7557	21.5386	11.9143	0.0245		0.8537	0.8537		0.7854	0.7854		2,426.5408	2,426.5408	0.7677		2,445.7341
Total	1.7557	21.5386	11.9143	0.0245	1.5908	0.8537	2.4445	0.1718	0.7854	0.9572		2,426.5408	2,426.5408	0.7677		2,445.7341

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	0.0443	0.0325	0.3540	9.2000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		91.3705	91.3705	3.1400e-003		91.4491
Total	0.0443	0.0325	0.3540	9.2000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		91.3705	91.3705	3.1400e-003		91.4491

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6204	0.0000	0.6204	0.0670	0.0000	0.0670			0.0000			0.0000
Off-Road	1.7557	21.5386	11.9143	0.0245		0.8537	0.8537		0.7854	0.7854	0.0000	2,426.5408	2,426.5408	0.7677		2,445.7341
Total	1.7557	21.5386	11.9143	0.0245	0.6204	0.8537	1.4741	0.0670	0.7854	0.8524	0.0000	2,426.5408	2,426.5408	0.7677		2,445.7341

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	0.0000	0.0000
Worker	0.0443	0.0325	0.3540	9.2000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		91.3705	91.3705	3.1400e-003		91.4491
Total	0.0443	0.0325	0.3540	9.2000e-004	0.0894	7.7000e-004	0.0902	0.0237	7.1000e-004	0.0244		91.3705	91.3705	3.1400e-003		91.4491

3.3 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871		2,041.2539	2,041.2539	0.6458		2,057.3997
Total	2.0287	22.7444	10.1518	0.0206	6.5523	1.0730	7.6253	3.3675	0.9871	4.3546		2,041.2539	2,041.2539	0.6458		2,057.3997

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	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		114.2131	114.2131	3.9300e-003		114.3113
Total	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		114.2131	114.2131	3.9300e-003		114.3113

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					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	2.0287	22.7444	10.1518	0.0206		1.0730	1.0730		0.9871	0.9871	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997
Total	2.0287	22.7444	10.1518	0.0206	2.5554	1.0730	3.6284	1.3133	0.9871	2.3005	0.0000	2,041.2539	2,041.2539	0.6458		2,057.3997

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	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		114.2131	114.2131	3.9300e-003		114.3113
Total	0.0554	0.0407	0.4425	1.1500e-003	0.1118	9.6000e-004	0.1127	0.0296	8.9000e-004	0.0305		114.2131	114.2131	3.9300e-003		114.3113

3.4 Bldg Const - 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	2.5581	18.9103	15.2545	0.0250		1.0901	1.0901		1.0449	1.0449		2,312.1454	2,312.1454	0.4810		2,324.1705

Total	2.5581	18.9103	15.2545	0.0250		1.0901	1.0901		1.0449	1.0449		2,312.145	2,312.145	0.4810		2,324.170
												4	4			5

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	0.0607	1.6224	0.4739	3.5600e-003	0.0896	0.0105	0.1001	0.0258	0.0100	0.0359		379.7880	379.7880	0.0267		380.4550
Worker	0.1938	0.1423	1.5487	4.0200e-003	0.3912	3.3700e-003	0.3946	0.1038	3.1100e-003	0.1069		399.7458	399.7458	0.0138		400.0896
Total	0.2545	1.7647	2.0225	7.5800e-003	0.4809	0.0139	0.4947	0.1296	0.0132	0.1427		779.5337	779.5337	0.0404		780.5445

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5581	18.9103	15.2545	0.0250		1.0901	1.0901		1.0449	1.0449	0.0000	2,312.145	2,312.145	0.4810		2,324.170
Total	2.5581	18.9103	15.2545	0.0250		1.0901	1.0901		1.0449	1.0449	0.0000	2,312.145	2,312.145	0.4810		2,324.170
												4	4			5

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	0.0607	1.6224	0.4739	3.5600e-003	0.0896	0.0105	0.1001	0.0258	0.0100	0.0359		379.7880	379.7880	0.0267		380.4550
Worker	0.1938	0.1423	1.5487	4.0200e-003	0.3912	3.3700e-003	0.3946	0.1038	3.1100e-003	0.1069		399.7458	399.7458	0.0138		400.0896
Total	0.2545	1.7647	2.0225	7.5800e-003	0.4809	0.0139	0.4947	0.1296	0.0132	0.1427		779.5337	779.5337	0.0404		780.5445

3.4 Bldg Const - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
Total	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014

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	0.0521	1.4889	0.4303	3.5300e-003	0.0896	7.1200e-003	0.0968	0.0258	6.8100e-003	0.0326		377.2287	377.2287	0.0252		377.8593
Worker	0.1789	0.1269	1.4035	3.8900e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		387.5971	387.5971	0.0122		387.9026
Total	0.2309	1.6158	1.8339	7.4200e-003	0.4809	0.0104	0.4912	0.1296	9.8200e-003	0.1394		764.8258	764.8258	0.0374		765.7619

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
Total	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014

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	0.0521	1.4889	0.4303	3.5300e-003	0.0896	7.1200e-003	0.0968	0.0258	6.8100e-003	0.0326		377.2287	377.2287	0.0252		377.8593
Worker	0.1789	0.1269	1.4035	3.8900e-003	0.3912	3.2700e-003	0.3945	0.1038	3.0100e-003	0.1068		387.5971	387.5971	0.0122		387.9026
Total	0.2309	1.6158	1.8339	7.4200e-003	0.4809	0.0104	0.4912	0.1296	9.8200e-003	0.1394		764.8258	764.8258	0.0374		765.7619

3.5 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	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605
Paving	0.1130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2677	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051		1,709.2180	1,709.2180	0.5417		1,722.7605

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	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1547	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

Paving	0.1130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2677	11.5873	11.8076	0.0178		0.6565	0.6565		0.6051	0.6051	0.0000	1,709.2180	1,709.2180	0.5417		1,722.7605

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	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

3.6 Coatings - 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	9.0815					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	9.3237	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	0.0358	0.0254	0.2807	7.8000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		77.5194	77.5194	2.4400e-003		77.5805
Total	0.0358	0.0254	0.2807	7.8000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		77.5194	77.5194	2.4400e-003		77.5805

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	9.0815					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	9.3237	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	0.0358	0.0254	0.2807	7.8000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		77.5194	77.5194	2.4400e-003		77.5805
Total	0.0358	0.0254	0.2807	7.8000e-004	0.0782	6.5000e-004	0.0789	0.0208	6.0000e-004	0.0214		77.5194	77.5194	2.4400e-003		77.5805

Pomona Corporate Yard - Water Yard & Sewer Lot - Los Angeles-South Coast County, Annual

Pomona Corporate Yard - Water Yard & Sewer Lot Construction
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	15.63	1000sqft	0.95	15,630.00	0
Parking Lot	60.00	Space	0.54	24,000.00	0
Parking Lot	31.00	Space	0.28	12,400.00	0
Parking Lot	76.00	Space	0.69	30,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2021		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	592.74	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 intensity factor to account for 33% RPS by 2020
 Land Use - Water Yard (light industry = 15,630 sf, parking= 91 spaces); Sewer Lot (parking = 76 spaces)
 Construction Phase - Water Yard-Sewer Lot
 Vehicle Trips - No net new trips assumed for operations
 Construction Off-road Equipment Mitigation - Water Exposed Area 3x per day
 Energy Mitigation - Assumed 5% improvement vs 2013 Title 24 to comply with 2016 Title 24 for non-residential
 Water Mitigation - 20% indoor/outdoor water use reduction assumed to comply with Statewide 2020 goal

Table Name	Column Name	Default Value	New Value
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tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	10.00	18.00
tblConstructionPhase	NumDays	220.00	223.00
tblConstructionPhase	NumDays	6.00	8.00
tblConstructionPhase	NumDays	10.00	35.00
tblConstructionPhase	NumDays	3.00	5.00
tblLandUse	LotAcreage	0.36	0.95
tblLandUse	LotAcreage	0.68	0.69
tblProjectCharacteristics	CO2IntensityFactor	702.44	592.74
tblProjectCharacteristics	OperationalYear	2018	2021
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	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	0.1650	1.2738	1.0157	1.9300e-003	0.0566	0.0666	0.1232	0.0210	0.0636	0.0846	0.0000	167.0313	167.0313	0.0299	0.0000	167.7776
2020	0.1364	0.4386	0.4291	7.5000e-004	8.9900e-003	0.0235	0.0325	2.4100e-003	0.0222	0.0246	0.0000	64.7472	64.7472	0.0141	0.0000	65.1000
Maximum	0.1650	1.2738	1.0157	1.9300e-003	0.0566	0.0666	0.1232	0.0210	0.0636	0.0846	0.0000	167.0313	167.0313	0.0299	0.0000	167.7776

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	0.1650	1.2738	1.0157	1.9300e-003	0.0381	0.0666	0.1047	0.0125	0.0636	0.0761	0.0000	167.0312	167.0312	0.0299	0.0000	167.7775
2020	0.1364	0.4386	0.4291	7.5000e-004	8.9900e-003	0.0235	0.0325	2.4100e-003	0.0222	0.0246	0.0000	64.7472	64.7472	0.0141	0.0000	65.1000
Maximum	0.1650	1.2738	1.0157	1.9300e-003	0.0381	0.0666	0.1047	0.0125	0.0636	0.0761	0.0000	167.0312	167.0312	0.0299	0.0000	167.7775

	ROG	NOx	CO	SO2	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	28.09	0.00	11.83	36.21	0.00	7.77	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Prep	Site Preparation	7/15/2019	7/19/2019	5	5	
2	Grading	Grading	7/20/2019	7/31/2019	5	8	
3	Bldg Const	Building Construction	8/1/2019	2/2/2020	5	223	
4	Paving	Paving	2/3/2020	3/22/2020	5	35	
5	Coatings	Architectural Coating	3/23/2020	4/15/2020	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 1.51

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 23,445; Non-Residential Outdoor: 7,815; Striped Parking Area:

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Prep	Graders	1	8.00	187	0.41
Site Prep	Scrapers	1	8.00	367	0.48
Site Prep	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Bldg Const	Cranes	1	8.00	231	0.29
Bldg Const	Forklifts	2	7.00	89	0.20
Bldg Const	Generator Sets	1	8.00	84	0.74
Bldg Const	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Bldg Const	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Coatings	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class	
Site Prep		3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading		4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Bldg Const		8	35.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving		6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Coatings		1	7.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

3.2 Site Prep - 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					3.9800e-003	0.0000	3.9800e-003	4.3000e-004	0.0000	4.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3900e-003	0.0539	0.0298	6.0000e-005		2.1300e-003	2.1300e-003		1.9600e-003	1.9600e-003	0.0000	5.5033	5.5033	1.7400e-003	0.0000	5.5468
Total	4.3900e-003	0.0539	0.0298	6.0000e-005	3.9800e-003	2.1300e-003	6.1100e-003	4.3000e-004	1.9600e-003	2.3900e-003	0.0000	5.5033	5.5033	1.7400e-003	0.0000	5.5468

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	1.0000e-004	8.0000e-005	9.1000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2107	0.2107	1.0000e-005	0.0000	0.2109
Total	1.0000e-004	8.0000e-005	9.1000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2107	0.2107	1.0000e-005	0.0000	0.2109

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5500e-003	0.0000	1.5500e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3900e-003	0.0539	0.0298	6.0000e-005		2.1300e-003	2.1300e-003		1.9600e-003	1.9600e-003	0.0000	5.5033	5.5033	1.7400e-003	0.0000	5.5468
Total	4.3900e-003	0.0539	0.0298	6.0000e-005	1.5500e-003	2.1300e-003	3.6800e-003	1.7000e-004	1.9600e-003	2.1300e-003	0.0000	5.5033	5.5033	1.7400e-003	0.0000	5.5468

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	1.0000e-004	8.0000e-005	9.1000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2107	0.2107	1.0000e-005	0.0000	0.2109
Total	1.0000e-004	8.0000e-005	9.1000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2107	0.2107	1.0000e-005	0.0000	0.2109

3.3 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					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1100e-003	0.0910	0.0406	8.0000e-005		4.2900e-003	4.2900e-003		3.9500e-003	3.9500e-003	0.0000	7.4072	7.4072	2.3400e-003	0.0000	7.4658
Total	8.1100e-003	0.0910	0.0406	8.0000e-005	0.0262	4.2900e-003	0.0305	0.0135	3.9500e-003	0.0174	0.0000	7.4072	7.4072	2.3400e-003	0.0000	7.4658

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	2.0000e-004	1.7000e-004	1.8200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4213	0.4213	1.0000e-005	0.0000	0.4217
Total	2.0000e-004	1.7000e-004	1.8200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4213	0.4213	1.0000e-005	0.0000	0.4217

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					0.0102	0.0000	0.0102	5.2500e-003	0.0000	5.2500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1100e-003	0.0910	0.0406	8.0000e-005		4.2900e-003	4.2900e-003		3.9500e-003	3.9500e-003	0.0000	7.4072	7.4072	2.3400e-003	0.0000	7.4658
Total	8.1100e-003	0.0910	0.0406	8.0000e-005	0.0102	4.2900e-003	0.0145	5.2500e-003	3.9500e-003	9.2000e-003	0.0000	7.4072	7.4072	2.3400e-003	0.0000	7.4658

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	2.0000e-004	1.7000e-004	1.8200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4213	0.4213	1.0000e-005	0.0000	0.4217
Total	2.0000e-004	1.7000e-004	1.8200e-003	0.0000	4.4000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4213	0.4213	1.0000e-005	0.0000	0.4217

3.4 Bldg Const - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1394	1.0306	0.8314	1.3600e-003		0.0594	0.0594		0.0570	0.0570	0.0000	114.3161	114.3161	0.0238	0.0000	114.9106

Total	0.1394	1.0306	0.8314	1.3600e-003		0.0594	0.0594		0.0570	0.0570	0.0000	114.3161	114.3161	0.0238	0.0000	114.9106
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2300e-003	0.0901	0.0247	2.0000e-004	4.8100e-003	5.7000e-004	5.3700e-003	1.3900e-003	5.4000e-004	1.9300e-003	0.0000	19.0799	19.0799	1.2700e-003	0.0000	19.1118
Worker	9.5500e-003	7.9600e-003	0.0866	2.2000e-004	0.0209	1.8000e-004	0.0211	5.5500e-003	1.7000e-004	5.7200e-003	0.0000	20.0928	20.0928	6.9000e-004	0.0000	20.1101
Total	0.0128	0.0981	0.1113	4.2000e-004	0.0257	7.5000e-004	0.0265	6.9400e-003	7.1000e-004	7.6500e-003	0.0000	39.1727	39.1727	1.9600e-003	0.0000	39.2218

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	0.1394	1.0306	0.8314	1.3600e-003		0.0594	0.0594		0.0570	0.0570	0.0000	114.3160	114.3160	0.0238	0.0000	114.9105
Total	0.1394	1.0306	0.8314	1.3600e-003		0.0594	0.0594		0.0570	0.0570	0.0000	114.3160	114.3160	0.0238	0.0000	114.9105

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2300e-003	0.0901	0.0247	2.0000e-004	4.8100e-003	5.7000e-004	5.3700e-003	1.3900e-003	5.4000e-004	1.9300e-003	0.0000	19.0799	19.0799	1.2700e-003	0.0000	19.1118
Worker	9.5500e-003	7.9600e-003	0.0866	2.2000e-004	0.0209	1.8000e-004	0.0211	5.5500e-003	1.7000e-004	5.7200e-003	0.0000	20.0928	20.0928	6.9000e-004	0.0000	20.1101
Total	0.0128	0.0981	0.1113	4.2000e-004	0.0257	7.5000e-004	0.0265	6.9400e-003	7.1000e-004	7.6500e-003	0.0000	39.1727	39.1727	1.9600e-003	0.0000	39.2218

3.4 Bldg Const - 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	0.0263	0.2005	0.1713	2.9000e-004		0.0109	0.0109		0.0105	0.0105	0.0000	23.8791	23.8791	4.8500e-003	0.0000	24.0003
Total	0.0263	0.2005	0.1713	2.9000e-004		0.0109	0.0109		0.0105	0.0105	0.0000	23.8791	23.8791	4.8500e-003	0.0000	24.0003

Unmitigated Construction Off-Site

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

Vendor	5.8000e-004	0.0175	4.7200e-003	4.0000e-005	1.0100e-003	8.0000e-005	1.1000e-003	2.9000e-004	8.0000e-005	3.7000e-004	0.0000	3.9997	3.9997	2.5000e-004	0.0000	4.0060
Worker	1.8600e-003	1.5000e-003	0.0166	5.0000e-005	4.4100e-003	4.0000e-005	4.4500e-003	1.1700e-003	3.0000e-005	1.2100e-003	0.0000	4.1109	4.1109	1.3000e-004	0.0000	4.1142
Total	2.4400e-003	0.0190	0.0213	9.0000e-005	5.4200e-003	1.2000e-004	5.5500e-003	1.4600e-003	1.1000e-004	1.5800e-003	0.0000	8.1106	8.1106	3.8000e-004	0.0000	8.1202

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	0.0263	0.2005	0.1713	2.9000e-004		0.0109	0.0109		0.0105	0.0105	0.0000	23.8791	23.8791	4.8500e-003	0.0000	24.0002
Total	0.0263	0.2005	0.1713	2.9000e-004		0.0109	0.0109		0.0105	0.0105	0.0000	23.8791	23.8791	4.8500e-003	0.0000	24.0002

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	5.8000e-004	0.0175	4.7200e-003	4.0000e-005	1.0100e-003	8.0000e-005	1.1000e-003	2.9000e-004	8.0000e-005	3.7000e-004	0.0000	3.9997	3.9997	2.5000e-004	0.0000	4.0060
Worker	1.8600e-003	1.5000e-003	0.0166	5.0000e-005	4.4100e-003	4.0000e-005	4.4500e-003	1.1700e-003	3.0000e-005	1.2100e-003	0.0000	4.1109	4.1109	1.3000e-004	0.0000	4.1142
Total	2.4400e-003	0.0190	0.0213	9.0000e-005	5.4200e-003	1.2000e-004	5.5500e-003	1.4600e-003	1.1000e-004	1.5800e-003	0.0000	8.1106	8.1106	3.8000e-004	0.0000	8.1202

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0202	0.2028	0.2066	3.1000e-004		0.0115	0.0115		0.0106	0.0106	0.0000	27.1351	27.1351	8.6000e-003	0.0000	27.3501
Paving	1.9800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0222	0.2028	0.2066	3.1000e-004		0.0115	0.0115		0.0106	0.0106	0.0000	27.1351	27.1351	8.6000e-003	0.0000	27.3501

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	1.2100e-003	9.8000e-004	0.0108	3.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.9000e-004	0.0000	2.6811	2.6811	8.0000e-005	0.0000	2.6832
Total	1.2100e-003	9.8000e-004	0.0108	3.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.9000e-004	0.0000	2.6811	2.6811	8.0000e-005	0.0000	2.6832

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	0.0202	0.2028	0.2066	3.1000e-004		0.0115	0.0115		0.0106	0.0106	0.0000	27.1351	27.1351	8.6000e-003	0.0000	27.3501

Paving	1.9800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0222	0.2028	0.2066	3.1000e-004		0.0115	0.0115		0.0106	0.0106	0.0000	27.1351	27.1351	8.6000e-003	0.0000	27.3501

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	1.2100e-003	9.8000e-004	0.0108	3.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.9000e-004	0.0000	2.6811	2.6811	8.0000e-005	0.0000	2.6832
Total	1.2100e-003	9.8000e-004	0.0108	3.0000e-005	2.8800e-003	2.0000e-005	2.9000e-003	7.6000e-004	2.0000e-005	7.9000e-004	0.0000	2.6811	2.6811	8.0000e-005	0.0000	2.6832

3.6 Coatings - 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	0.0817					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1800e-003	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	2.2979	2.2979	1.8000e-004	0.0000	2.3024
Total	0.0839	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	2.2979	2.2979	1.8000e-004	0.0000	2.3024

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	2.9000e-004	2.3000e-004	2.5900e-003	1.0000e-005	6.9000e-004	1.0000e-005	7.0000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.6435	0.6435	2.0000e-005	0.0000	0.6440
Total	2.9000e-004	2.3000e-004	2.5900e-003	1.0000e-005	6.9000e-004	1.0000e-005	7.0000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.6435	0.6435	2.0000e-005	0.0000	0.6440

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	0.0817					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1800e-003	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	2.2979	2.2979	1.8000e-004	0.0000	2.3024
Total	0.0839	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	2.2979	2.2979	1.8000e-004	0.0000	2.3024

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	2.9000e-004	2.3000e-004	2.5900e-003	1.0000e-005	6.9000e-004	1.0000e-005	7.0000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.6435	0.6435	2.0000e-005	0.0000	0.6440
Total	2.9000e-004	2.3000e-004	2.5900e-003	1.0000e-005	6.9000e-004	1.0000e-005	7.0000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.6435	0.6435	2.0000e-005	0.0000	0.6440

Pomona Corporate Yard - Water Yard & Sewer Lot Construction
Los Angeles-South Coast County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Bldg Const	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coatings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Prep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cement and Mortar Mixers	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	2	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	2	No Change	0.00
Pavers	Diesel	No Change	0	1	No Change	0.00
Paving Equipment	Diesel	No Change	0	1	No Change	0.00

Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	1	No Change	0.00
Scrapers	Diesel	No Change	0	1	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	5	No Change	0.00
Welders	Diesel	No Change	0	3	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	2.18000E-003	1.51500E-002	1.64800E-002	3.00000E-005	1.00000E-003	1.00000E-003	0.00000E+000	2.29793E+000	2.29793E+000	1.80000E-004	0.00000E+000	2.30238E+000
Cement and Mortar Mixers	1.03000E-003	6.44000E-003	5.40000E-003	1.00000E-005	2.50000E-004	2.50000E-004	0.00000E+000	8.01980E-001	8.01980E-001	8.00000E-005	0.00000E+000	8.04070E-001
Cranes	3.26800E-002	3.89380E-001	1.49300E-001	3.80000E-004	1.64300E-002	1.51200E-002	0.00000E+000	3.40712E+001	3.40712E+001	1.08200E-002	0.00000E+000	3.43417E+001
Forklifts	1.81500E-002	1.62340E-001	1.37650E-001	1.80000E-004	1.25000E-002	1.15000E-002	0.00000E+000	1.57953E+001	1.57953E+001	5.02000E-003	0.00000E+000	1.59207E+001
Generator Sets	2.87900E-002	2.45900E-001	2.45520E-001	4.30000E-004	1.45700E-002	1.45700E-002	0.00000E+000	3.73037E+001	3.73037E+001	2.32000E-003	0.00000E+000	3.73616E+001
Graders	3.16000E-003	4.27700E-002	1.19500E-002	4.00000E-005	1.37000E-003	1.26000E-003	0.00000E+000	3.87783E+000	3.87783E+000	1.23000E-003	0.00000E+000	3.90850E+000
Pavers	4.60000E-003	4.91800E-002	5.07200E-002	8.00000E-005	2.39000E-003	2.20000E-003	0.00000E+000	7.22778E+000	7.22778E+000	2.34000E-003	0.00000E+000	7.28622E+000
Paving Equipment	3.63000E-003	3.74700E-002	4.43500E-002	7.00000E-005	1.87000E-003	1.72000E-003	0.00000E+000	6.26342E+000	6.26342E+000	2.03000E-003	0.00000E+000	6.31407E+000
Rollers	7.29000E-003	7.28400E-002	6.62700E-002	9.00000E-005	4.64000E-003	4.27000E-003	0.00000E+000	8.06698E+000	8.06698E+000	2.61000E-003	0.00000E+000	8.13221E+000
Rubber Tired Dozers	4.54000E-003	4.83000E-002	1.71400E-002	3.00000E-005	2.35000E-003	2.17000E-003	0.00000E+000	3.06784E+000	3.06784E+000	9.70000E-004	0.00000E+000	3.09211E+000
Scrapers	2.66000E-003	3.22800E-002	2.01500E-002	4.00000E-005	1.26000E-003	1.16000E-003	0.00000E+000	3.40152E+000	3.40152E+000	1.08000E-003	0.00000E+000	3.42843E+000
Tractors/Loaders/Backhoes	1.71300E-002	1.72010E-001	1.74830E-001	2.40000E-004	1.12900E-002	1.03900E-002	0.00000E+000	2.10956E+001	2.10956E+001	6.72000E-003	0.00000E+000	2.12637E+001
Welders	7.47800E-002	3.19780E-001	3.56430E-001	5.10000E-004	1.92900E-002	1.92900E-002	0.00000E+000	3.72677E+001	3.72677E+001	6.10000E-003	0.00000E+000	3.74203E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	2.18000E-003	1.51500E-002	1.64800E-002	3.00000E-005	1.00000E-003	1.00000E-003	0.00000E+000	2.29793E+000	2.29793E+000	1.80000E-004	0.00000E+000	2.30237E+000
Cement and Mortar Mixers	1.03000E-003	6.44000E-003	5.40000E-003	1.00000E-005	2.50000E-004	2.50000E-004	0.00000E+000	8.01980E-001	8.01980E-001	8.00000E-005	0.00000E+000	8.04060E-001
Cranes	3.26800E-002	3.89380E-001	1.49300E-001	3.80000E-004	1.64300E-002	1.51200E-002	0.00000E+000	3.40712E+001	3.40712E+001	1.08200E-002	0.00000E+000	3.43417E+001

Forklifts	1.81500E-002	1.62340E-001	1.37650E-001	1.80000E-004	1.25000E-002	1.15000E-002	0.00000E+000	1.57953E+001	1.57953E+001	5.02000E-003	0.00000E+000	1.59207E+001
Generator Sets	2.87900E-002	2.45900E-001	2.45520E-001	4.30000E-004	1.45700E-002	1.45700E-002	0.00000E+000	3.73037E+001	3.73037E+001	2.32000E-003	0.00000E+000	3.73616E+001
Graders	3.16000E-003	4.27700E-002	1.19500E-002	4.00000E-005	1.37000E-003	1.26000E-003	0.00000E+000	3.87783E+000	3.87783E+000	1.23000E-003	0.00000E+000	3.90850E+000
Pavers	4.60000E-003	4.91800E-002	5.07200E-002	8.00000E-005	2.39000E-003	2.20000E-003	0.00000E+000	7.22777E+000	7.22777E+000	2.34000E-003	0.00000E+000	7.28621E+000
Paving Equipment	3.63000E-003	3.74700E-002	4.43500E-002	7.00000E-005	1.87000E-003	1.72000E-003	0.00000E+000	6.26342E+000	6.26342E+000	2.03000E-003	0.00000E+000	6.31406E+000
Rollers	7.29000E-003	7.28400E-002	6.62700E-002	9.00000E-005	4.64000E-003	4.27000E-003	0.00000E+000	8.06697E+000	8.06697E+000	2.61000E-003	0.00000E+000	8.13220E+000
Rubber Tired Dozers	4.54000E-003	4.83000E-002	1.71400E-002	3.00000E-005	2.35000E-003	2.17000E-003	0.00000E+000	3.06784E+000	3.06784E+000	9.70000E-004	0.00000E+000	3.09210E+000
Scrapers	2.66000E-003	3.22800E-002	2.01500E-002	4.00000E-005	1.26000E-003	1.16000E-003	0.00000E+000	3.40152E+000	3.40152E+000	1.08000E-003	0.00000E+000	3.42842E+000
Tractors/Loaders/Bac khoes	1.71300E-002	1.72010E-001	1.74830E-001	2.40000E-004	1.12900E-002	1.03900E-002	0.00000E+000	2.10956E+001	2.10956E+001	6.72000E-003	0.00000E+000	2.12637E+001
Welders	7.47800E-002	3.19780E-001	3.56430E-001	5.10000E-004	1.92900E-002	1.92900E-002	0.00000E+000	3.72676E+001	3.72676E+001	6.10000E-003	0.00000E+000	3.74202E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	4.34333E-006
Cement and Mortar Mixers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24367E-005
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17401E-006	1.17401E-006	0.00000E+000	0.00000E+000	1.16476E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.26620E-006	1.26620E-006	0.00000E+000	0.00000E+000	1.25623E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.07228E-006	1.07228E-006	0.00000E+000	0.00000E+000	1.33827E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.38355E-006	1.38355E-006	0.00000E+000	0.00000E+000	1.37245E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.58376E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23962E-006	1.23962E-006	0.00000E+000	0.00000E+000	1.22968E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.23404E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.91679E-006
Tractors/Loaders/Bac khoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.42210E-006	1.42210E-006	0.00000E+000	0.00000E+000	1.41086E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.07332E-006	1.07332E-006	0.00000E+000	0.00000E+000	1.33617E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input	
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	0.00
Yes	Clean Paved Road	% PM Reduction	0.00	Frequency (per day)	3.00

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Bldg Const	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Bldg Const	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Coatings	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Coatings	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.03	0.01	0.01	0.01	0.61	0.61
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Prep	Fugitive Dust	0.00	0.00	0.00	0.00	0.61	0.60
Site Prep	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Proposed Project Operations - CalEEMod Outputs

Summer, Winter, Annual, Mitigation Report

Pomona Corporate Yard - Operations - Los Angeles-South Coast County, Summer

**Pomona Corporate Yard - Operations
Los Angeles-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	12.50	1000sqft	0.80	12,500.00	0
General Light Industry	15.63	1000sqft	0.95	15,630.00	0
Unrefrigerated Warehouse-No Rail	7.43	1000sqft	0.47	7,430.00	0
Parking Lot	173.00	Space	1.56	69,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2021		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	592.74	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 intensity factor to account for 33% RPS by 2020

Land Use - Full project buildout

Vehicle Trips - No net new trips for operations

Energy Mitigation - Assumed 5% improvement vs 2013 Title 24 to comply with 2016 Title 24 for non-residential

Water Mitigation - 20% indoor/outdoor water use reduction assumed to comply with Statewide 2020 goal

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.29	0.80
tblLandUse	LotAcreage	0.36	0.95

tblLandUse	LotAcreage	0.17	0.47
tblProjectCharacteristics	CO2IntensityFactor	702.44	592.74
tblProjectCharacteristics	OperationalYear	2018	2021
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0456	0.0456	1.2000e-004		0.0487
Energy	0.0124	0.1131	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7147	135.7147	2.6000e-003	2.4900e-003	136.5212
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.8386	0.1133	0.1164	6.8000e-004	0.0000	8.6800e-003	8.6800e-003	0.0000	8.6800e-003	8.6800e-003		135.7604	135.7604	2.7200e-003	2.4900e-003	136.5699

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0456	0.0456	1.2000e-004		0.0487
Energy	0.0119	0.1084	0.0911	6.5000e-004		8.2400e-003	8.2400e-003		8.2400e-003	8.2400e-003		130.1321	130.1321	2.4900e-003	2.3900e-003	130.9054
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.8381	0.1086	0.1125	6.5000e-004	0.0000	8.3200e-003	8.3200e-003	0.0000	8.3200e-003	8.3200e-003		130.1777	130.1777	2.6100e-003	2.3900e-003	130.9540

	ROG	NOx	CO	SO2	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	0.06	4.11	3.36	4.41	0.00	4.15	4.15	0.00	4.15	4.15	0.00	4.11	4.11	4.04	4.02	4.11

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	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
General Light Industry	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
Unrefrigerated Warehouse-No	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

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0119	0.1084	0.0911	6.5000e-004		8.2400e-003	8.2400e-003		8.2400e-003	8.2400e-003		130.1321	130.1321	2.4900e-003	2.3900e-003	130.9054
NaturalGas Unmitigated	0.0124	0.1131	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7147	135.7147	2.6000e-003	2.4900e-003	136.5212

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					
General Light Industry	777.646	8.3900e-003	0.0762	0.0640	4.6000e-004		5.7900e-003	5.7900e-003		5.7900e-003	5.7900e-003		91.4878	91.4878	1.7500e-003	1.6800e-003	92.0314
Government Office Building	358.219	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.1434	42.1434	8.1000e-004	7.7000e-004	42.3939
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
Unrefrigerated Warehouse-No	17.7099	1.9000e-004	1.7400e-003	1.4600e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		2.0835	2.0835	4.0000e-005	4.0000e-005	2.0959

Total		0.0124	0.1131	0.0950	6.8000e-004		8.5900e-003	8.5900e-003		8.5900e-003	8.5900e-003		135.7147	135.7147	2.6000e-003	2.4900e-003	136.5212
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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					
General Light Industry	0.748292	8.0700e-003	0.0734	0.0616	4.4000e-004		5.5800e-003	5.5800e-003		5.5800e-003	5.5800e-003		88.0343	88.0343	1.6900e-003	1.6100e-003	88.5575
Government Office Building	0.340976	3.6800e-003	0.0334	0.0281	2.0000e-004		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003		40.1148	40.1148	7.7000e-004	7.4000e-004	40.3532
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
Unrefrigerated Warehouse-No	0.0168549	1.8000e-004	1.6500e-003	1.3900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		1.9829	1.9829	4.0000e-005	4.0000e-005	1.9947
Total		0.0119	0.1084	0.0911	6.5000e-004		8.2500e-003	8.2500e-003		8.2500e-003	8.2500e-003		130.1321	130.1321	2.5000e-003	2.3900e-003	130.9054

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0456	0.0456	1.2000e-004		0.0487
Unmitigated	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0456	0.0456	1.2000e-004		0.0487

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	0.0956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-003	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005			0.0456	0.0456	1.2000e-004	0.0487
Total	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005			0.0456	0.0456	1.2000e-004	0.0487

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	0.0956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-003	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005			0.0456	0.0456	1.2000e-004	0.0487
Total	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005			0.0456	0.0456	1.2000e-004	0.0487

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Pomona Corporate Yard - Operations - Los Angeles-South Coast County, Winter

Pomona Corporate Yard - Operations
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	12.50	1000sqft	0.80	12,500.00	0
General Light Industry	15.63	1000sqft	0.95	15,630.00	0
Unrefrigerated Warehouse-No Rail	7.43	1000sqft	0.47	7,430.00	0
Parking Lot	173.00	Space	1.56	69,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2021		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	592.74	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 intensity factor to account for 33% RPS by 2020

Land Use - Full project buildout

Vehicle Trips - No net new trips for operations

Energy Mitigation - Assumed 5% improvement vs 2013 Title 24 to comply with 2016 Title 24 for non-residential

Water Mitigation - 20% indoor/outdoor water use reduction assumed to comply with Statewide 2020 goal

Table Name	Column Name	Default Value	New Value
tblLandUse	LotAcreage	0.29	0.80

tblLandUse	LotAcreage	0.36	0.95
tblLandUse	LotAcreage	0.17	0.47
tblProjectCharacteristics	CO2IntensityFactor	702.44	592.74
tblProjectCharacteristics	OperationalYear	2018	2021
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0456	0.0456	1.2000e-004		0.0487
Energy	0.0124	0.1131	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7147	135.7147	2.6000e-003	2.4900e-003	136.5212
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.8386	0.1133	0.1164	6.8000e-004	0.0000	8.6800e-003	8.6800e-003	0.0000	8.6800e-003	8.6800e-003		135.7604	135.7604	2.7200e-003	2.4900e-003	136.5699

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0456	0.0456	1.2000e-004		0.0487
Energy	0.0119	0.1084	0.0911	6.5000e-004		8.2400e-003	8.2400e-003		8.2400e-003	8.2400e-003		130.1321	130.1321	2.4900e-003	2.3900e-003	130.9054
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.8381	0.1086	0.1125	6.5000e-004	0.0000	8.3200e-003	8.3200e-003	0.0000	8.3200e-003	8.3200e-003		130.1777	130.1777	2.6100e-003	2.3900e-003	130.9540

	ROG	NOx	CO	SO2	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	0.06	4.11	3.36	4.41	0.00	4.15	4.15	0.00	4.15	4.15	0.00	4.11	4.11	4.04	4.02	4.11

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	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
General Light Industry	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
Unrefrigerated Warehouse-No	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

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0119	0.1084	0.0911	6.5000e-004		8.2400e-003	8.2400e-003		8.2400e-003	8.2400e-003		130.1321	130.1321	2.4900e-003	2.3900e-003	130.9054
NaturalGas Unmitigated	0.0124	0.1131	0.0950	6.8000e-004		8.6000e-003	8.6000e-003		8.6000e-003	8.6000e-003		135.7147	135.7147	2.6000e-003	2.4900e-003	136.5212

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					
General Light Industry	777.646	8.3900e-003	0.0762	0.0640	4.6000e-004		5.7900e-003	5.7900e-003		5.7900e-003	5.7900e-003		91.4878	91.4878	1.7500e-003	1.6800e-003	92.0314
Government Office Building	358.219	3.8600e-003	0.0351	0.0295	2.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003		42.1434	42.1434	8.1000e-004	7.7000e-004	42.3939
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
Unrefrigerated Warehouse-No	17.7099	1.9000e-004	1.7400e-003	1.4600e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		2.0835	2.0835	4.0000e-005	4.0000e-005	2.0959

Total		0.0124	0.1131	0.0950	6.8000e-004		8.5900e-003	8.5900e-003		8.5900e-003	8.5900e-003		135.7147	135.7147	2.6000e-003	2.4900e-003	136.5212
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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					
General Light Industry	0.748292	8.0700e-003	0.0734	0.0616	4.4000e-004		5.5800e-003	5.5800e-003		5.5800e-003	5.5800e-003		88.0343	88.0343	1.6900e-003	1.6100e-003	88.5575
Government Office Building	0.340976	3.6800e-003	0.0334	0.0281	2.0000e-004		2.5400e-003	2.5400e-003		2.5400e-003	2.5400e-003		40.1148	40.1148	7.7000e-004	7.4000e-004	40.3532
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
Unrefrigerated Warehouse-No	0.0168549	1.8000e-004	1.6500e-003	1.3900e-003	1.0000e-005		1.3000e-004	1.3000e-004		1.3000e-004	1.3000e-004		1.9829	1.9829	4.0000e-005	4.0000e-005	1.9947
Total		0.0119	0.1084	0.0911	6.5000e-004		8.2500e-003	8.2500e-003		8.2500e-003	8.2500e-003		130.1321	130.1321	2.5000e-003	2.3900e-003	130.9054

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0456	0.0456	1.2000e-004		0.0487
Unmitigated	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0456	0.0456	1.2000e-004		0.0487

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	0.0956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-003	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005			0.0456	0.0456	1.2000e-004	0.0487
Total	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005			0.0456	0.0456	1.2000e-004	0.0487

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	0.0956					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.7286					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-003	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005			0.0456	0.0456	1.2000e-004	0.0487
Total	0.8262	2.0000e-004	0.0214	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005			0.0456	0.0456	1.2000e-004	0.0487

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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

Pomona Corporate Yard - Operations - Los Angeles-South Coast County, Annual

**Pomona Corporate Yard - Operations
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	12.50	1000sqft	0.80	12,500.00	0
General Light Industry	15.63	1000sqft	0.95	15,630.00	0
Unrefrigerated Warehouse-No Rail	7.43	1000sqft	0.47	7,430.00	0
Parking Lot	173.00	Space	1.56	69,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2021		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	592.74	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted CO2 intensity factor to account for 33% RPS by 2020

Land Use - Full project buildout

Vehicle Trips - No net new trips for operations

Energy Mitigation - Assumed 5% improvement vs 2013 Title 24 to comply with 2016 Title 24 for non-residential

Water Mitigation - 20% indoor/outdoor water use reduction assumed to comply with Statewide 2020 goal

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tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

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	0.1507	2.0000e-005	2.6700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.5200e-003
Energy	2.2700e-003	0.0206	0.0173	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	139.0862	139.0862	6.1400e-003	1.5900e-003	139.7141
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	7.7116	0.0000	7.7116	0.4557	0.0000	19.1052
Water						0.0000	0.0000		0.0000	0.0000	2.4796	31.9085	34.3881	0.2562	6.3400e-003	42.6825
Total	0.1529	0.0207	0.0200	1.2000e-004	0.0000	1.5800e-003	1.5800e-003	0.0000	1.5800e-003	1.5800e-003	10.1913	170.9999	181.1911	0.7181	7.9300e-003	201.5073

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	0.1507	2.0000e-005	2.6700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.5200e-003
Energy	2.1800e-003	0.0198	0.0166	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	136.7882	136.7882	6.0500e-003	1.5600e-003	137.4048
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	7.7116	0.0000	7.7116	0.4557	0.0000	19.1052
Water						0.0000	0.0000		0.0000	0.0000	1.9837	25.5268	27.5105	0.2050	5.0700e-003	34.1460
Total	0.1528	0.0198	0.0193	1.2000e-004	0.0000	1.5100e-003	1.5100e-003	0.0000	1.5100e-003	1.5100e-003	9.6953	162.3202	172.0155	0.6668	6.6300e-003	190.6615

	ROG	NOx	CO	SO2	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	0.06	4.11	3.60	0.00	0.00	4.43	4.43	0.00	4.43	4.43	4.87	5.08	5.06	7.15	16.39	5.38

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
General Light Industry	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	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
General Light Industry	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
Unrefrigerated Warehouse-No Rail	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
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	115.2433	115.2433	5.6400e-003	1.1700e-003	115.7319
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	116.6171	116.6171	5.7100e-003	1.1800e-003	117.1115
NaturalGas Mitigated	2.1800e-003	0.0198	0.0166	1.2000e-004	1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.5448	21.5448	4.1000e-004	3.9000e-004		21.6729
NaturalGas Unmitigated	2.2700e-003	0.0206	0.0173	1.2000e-004	1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	22.4691	22.4691	4.3000e-004	4.1000e-004		22.6026

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					
General Light Industry	283841	1.5300e-003	0.0139	0.0117	8.0000e-005		1.0600e-003	1.0600e-003		1.0600e-003	1.0600e-003	0.0000	15.1468	15.1468	2.9000e-004	2.8000e-004	15.2368
Government Office Building	130750	7.1000e-004	6.4100e-003	5.3800e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9773	6.9773	1.3000e-004	1.3000e-004	7.0188
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

Unrefrigerated Warehouse-No	6464.1	3.000e-005	3.200e-004	2.700e-004	0.0000		2.000e-005	2.000e-005		2.000e-005	2.000e-005	0.0000	0.3450	0.3450	1.000e-005	1.000e-005	0.3470
Total		2.2700e-003	0.0206	0.0173	1.2000e-004		1.5700e-003	1.5700e-003		1.5700e-003	1.5700e-003	0.0000	22.4691	22.4691	4.3000e-004	4.2000e-004	22.6026

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	tons/yr										MT/yr					
General Light Industry	273126	1.4700e-003	0.0134	0.0113	8.0000e-005		1.0200e-003	1.0200e-003		1.0200e-003	1.0200e-003	0.0000	14.5751	14.5751	2.8000e-004	2.7000e-004	14.6617
Government Office Building	124456	6.7000e-004	6.1000e-003	5.1200e-003	4.0000e-005		4.6000e-004	4.6000e-004		4.6000e-004	4.6000e-004	0.0000	6.6415	6.6415	1.3000e-004	1.2000e-004	6.6809
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
Unrefrigerated Warehouse-No	6152.04	3.0000e-005	3.0000e-004	2.5000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.3283	0.3283	1.0000e-005	1.0000e-005	0.3303
Total		2.1700e-003	0.0198	0.0166	1.2000e-004		1.5000e-003	1.5000e-003		1.5000e-003	1.5000e-003	0.0000	21.5448	21.5448	4.2000e-004	4.0000e-004	21.6729

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	176775	47.5282	2.3300e-003	4.8000e-004	47.7297
Government Office Building	166500	44.7656	2.1900e-003	4.5000e-004	44.9554
Parking Lot	60896	16.3726	8.0000e-004	1.7000e-004	16.4421
Unrefrigerated Warehouse-No	29571.4	7.9506	3.9000e-004	8.0000e-005	7.9843
Total		116.6171	5.7100e-003	1.1800e-003	117.1115

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	174931	47.0324	2.3000e-003	4.8000e-004	47.2318
Government Office Building	163488	43.9556	2.1500e-003	4.4000e-004	44.1420
Parking Lot	60896	16.3726	8.0000e-004	1.7000e-004	16.4421
Unrefrigerated Warehouse-No	29318.8	7.8827	3.9000e-004	8.0000e-005	7.9161
Total		115.2433	5.6400e-003	1.1700e-003	115.7319

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1507	2.0000e-005	2.6700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.5200e-003
Unmitigated	0.1507	2.0000e-005	2.6700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.5200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1330					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.6700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.5200e-003
Total	0.1507	2.0000e-005	2.6700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.5200e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0174					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1330					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.5000e-004	2.0000e-005	2.6700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.5200e-003
Total	0.1507	2.0000e-005	2.6700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.1800e-003	5.1800e-003	1.0000e-005	0.0000	5.5200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	27.5105	0.2050	5.0700e-003	34.1460
Unmitigated	34.3881	0.2562	6.3400e-003	42.6825

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	3.61444 / 0	13.8003	0.1184	2.9100e-003	17.6271
Government Office Building	2.48325 / 1.52199	14.0276	0.0816	2.0400e-003	16.6760
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	1.71819 / 0	6.5602	0.0563	1.3800e-003	8.3794
Total		34.3881	0.2562	6.3300e-003	42.6825

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			

General Light Industry	2.89155 / 0	11.0403	0.0947	2.3300e-003	14.1017
Government Office Building	1.9866 / 1.21759	11.2221	0.0653	1.6400e-003	13.3408
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	1.37455 / 0	5.2482	0.0450	1.1100e-003	6.7035
Total		27.5105	0.2050	5.0800e-003	34.1460

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.7116	0.4557	0.0000	19.1052
Unmitigated	7.7116	0.4557	0.0000	19.1052

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	19.38	3.9340	0.2325	0.0000	9.7462
Government Office Building	11.63	2.3608	0.1395	0.0000	5.8487
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	6.98	1.4169	0.0837	0.0000	3.5103

Total		7.7116	0.4558	0.0000	19.1052
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Mitigated

Land Use	Waste Disposed tons	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
General Light Industry	19.38	3.9340	0.2325	0.0000	9.7462
Government Office Building	11.63	2.3608	0.1395	0.0000	5.8487
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unrefrigerated Warehouse-No	6.98	1.4169	0.0837	0.0000	3.5103
Total		7.7116	0.4558	0.0000	19.1052

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

Pomona Corporate Yard - Operations
Los Angeles-South Coast County, Mitigation Report

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.18	1.18	1.23	0.85	1.18
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	4.41	4.12	4.15	0.00	4.46	4.46	0.00	4.11	4.11	2.33	4.76	4.11
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	20.00	20.00	20.00	19.75	20.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.17	0.43		
No	Land Use	Improve Walkability Design	0.00			

No	Land Use	Improve Destination Accessibility	0.00		
No	Land Use	Increase Transit Accessibility	0.25		
No	Land Use	Integrate Below Market Rate Housing	0.00		
	Land Use	Land Use SubTotal	0.00		
No	Neighborhood Enhancements	Improve Pedestrian Network			
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			

	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	50.00
No	Use Low VOC Paint (Residential Exterior)	50.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	100.00
No	Use Low VOC Paint (Parking)	100.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	5.00	
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00

Fan	50.00
Refrigerator	15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	20.00	20.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	