

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

6265-6365 San Fernando Road
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	12.59	1000sqft	0.57	12,587.00	0
General Office Building	14.26	1000sqft	0.70	14,260.00	0
General Office Building	52.00	1000sqft	1.85	52,000.00	0
General Office Building	10.00	1000sqft	1.04	10,000.00	0
Parking Lot	286.00	Space	0.00	114,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	12			Operational Year	2021
Utility Company	Glendale Water & Power				
CO2 Intensity (lb/MWhr)	1115.33	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

Project Characteristics - 6,500 SF addition to (e) 1-story, 6,087 SF building, 2,780 SF addition and 4,832 SF mezzanine addition in an (E) 6,648 SF building, demolish 848 SF of (E) 52,848 SF building and a 7,789 SF addition to an (E) 1-story, 2,211 SF building

Land Use - 12,587 SF building on 25,240 SF (0.57) of the project site, 14,260 SF building on 30,290 SF (0.70 acre) of the project site, 52,000 SF building on 80,937 SF (1.85 acres), 10,000 SF building on 45,363 SF (1.04 acres) of the project site.

Grading - 426 CY (cut), 1,000 CY (fill), NET 574 CY (fill)

Demolition - The parking lots across 5627-022-006, 5627-022-004, 5627-022-003 and 5627-022-002 will be removed, and portions of the south facing facade of the building will be demolished. It is estimated approximately 494.4 tons of debris will result from the project.

Energy Use -

Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	12,590.00	12,587.00
tblLandUse	LotAcreage	0.23	1.04
tblLandUse	LotAcreage	0.29	0.57
tblLandUse	LotAcreage	0.33	0.70
tblLandUse	LotAcreage	1.19	1.85
tblLandUse	LotAcreage	2.57	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	72.00

2.0 Emissions Summary

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0323	0.3224	0.2134	4.0000e-004	7.0000e-003	0.0158	0.0228	1.2900e-003	0.0147	0.0160	0.0000	35.4625	35.4625	9.2800e-003	0.0000	35.6945
2021	0.2971	2.7174	2.5450	5.4300e-003	0.1955	0.1272	0.3227	0.0718	0.1193	0.1911	0.0000	482.4360	482.4360	0.0836	0.0000	484.5248
2022	0.4306	0.0178	0.0271	5.0000e-005	1.5900e-003	9.9000e-004	2.5800e-003	4.2000e-004	9.7000e-004	1.3900e-003	0.0000	4.4528	4.4528	4.4000e-004	0.0000	4.4638
Maximum	0.4306	2.7174	2.5450	5.4300e-003	0.1955	0.1272	0.3227	0.0718	0.1193	0.1911	0.0000	482.4360	482.4360	0.0836	0.0000	484.5248

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.0323	0.3224	0.2134	4.0000e-004	7.0000e-003	0.0158	0.0228	1.2900e-003	0.0147	0.0160	0.0000	35.4625	35.4625	9.2800e-003	0.0000	35.6945
2021	0.2971	2.7174	2.5450	5.4300e-003	0.1955	0.1272	0.3227	0.0718	0.1193	0.1911	0.0000	482.4356	482.4356	0.0836	0.0000	484.5244
2022	0.4306	0.0178	0.0271	5.0000e-005	1.5900e-003	9.9000e-004	2.5800e-003	4.2000e-004	9.7000e-004	1.3900e-003	0.0000	4.4527	4.4527	4.4000e-004	0.0000	4.4638
Maximum	0.4306	2.7174	2.5450	5.4300e-003	0.1955	0.1272	0.3227	0.0718	0.1193	0.1911	0.0000	482.4356	482.4356	0.0836	0.0000	484.5244

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	12-7-2020	3-6-2021	0.9557	0.9557
2	3-7-2021	6-6-2021	0.7594	0.7594
3	6-7-2021	9-6-2021	0.7590	0.7590
4	9-7-2021	12-6-2021	0.7518	0.7518
5	12-7-2021	3-6-2022	0.5493	0.5493
		Highest	0.9557	0.9557

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	0.3717	4.0000e-005	4.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.3000e-003	9.3000e-003	2.0000e-005	0.0000	9.9200e-003
Energy	4.9900e-003	0.0453	0.0381	2.7000e-004		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	653.4891	653.4891	0.0167	4.1500e-003	655.1436
Mobile	0.2301	1.2854	3.0868	0.0112	0.9114	9.1000e-003	0.9205	0.2442	8.5000e-003	0.2527	0.0000	1,034.3346	1,034.3346	0.0512	0.0000	1,035.6152
Waste						0.0000	0.0000		0.0000	0.0000	16.7731	0.0000	16.7731	0.9913	0.0000	41.5548
Water						0.0000	0.0000		0.0000	0.0000	5.0100	158.4262	163.4361	0.5187	0.0130	180.2781
Total	0.6067	1.3307	3.1297	0.0115	0.9114	0.0126	0.9240	0.2442	0.0120	0.2562	21.7831	1,846.2591	1,868.0422	1.5779	0.0172	1,912.6016

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3717	4.0000e-005	4.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.3000e-003	9.3000e-003	2.0000e-005	0.0000	9.9200e-003
Energy	4.9900e-003	0.0453	0.0381	2.7000e-004		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	653.4891	653.4891	0.0167	4.1500e-003	655.1436
Mobile	0.2301	1.2854	3.0868	0.0112	0.9114	9.1000e-003	0.9205	0.2442	8.5000e-003	0.2527	0.0000	1,034.3346	1,034.3346	0.0512	0.0000	1,035.6152
Waste						0.0000	0.0000		0.0000	0.0000	16.7731	0.0000	16.7731	0.9913	0.0000	41.5548
Water						0.0000	0.0000		0.0000	0.0000	5.0100	158.4262	163.4361	0.5187	0.0130	180.2781
Total	0.6067	1.3307	3.1297	0.0115	0.9114	0.0126	0.9240	0.2442	0.0120	0.2562	21.7831	1,846.2591	1,868.0422	1.5779	0.0172	1,912.6016

	ROG	NOx	CO	SO2	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/7/2020	1/1/2021	5	20	
2	Site Preparation	Site Preparation	1/2/2021	1/8/2021	5	5	
3	Grading	Grading	1/9/2021	1/20/2021	5	8	
4	Building Construction	Building Construction	1/21/2021	12/8/2021	5	230	
5	Paving	Paving	12/9/2021	1/3/2022	5	18	
6	Architectural Coating	Architectural Coating	1/4/2022	1/27/2022	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 133,271; Non-Residential Outdoor: 44,424; Striped Parking Area: 6,864 (Architectural Coating – sqft)

OffRoad Equipment

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	49.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	72.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	76.00	33.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.0300e-003	0.0000	5.0300e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0315	0.3154	0.2067	3.7000e-004		0.0158	0.0158		0.0147	0.0147	0.0000	32.2987	32.2987	9.1200e-003	0.0000	32.5266
Total	0.0315	0.3154	0.2067	3.7000e-004	5.0300e-003	0.0158	0.0208	7.6000e-004	0.0147	0.0154	0.0000	32.2987	32.2987	9.1200e-003	0.0000	32.5266

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	6.5300e-003	1.3000e-003	2.0000e-005	4.2000e-004	2.0000e-005	4.4000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.7564	1.7564	1.2000e-004	0.0000	1.7595
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	6.4000e-004	4.9000e-004	5.4000e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4074	1.4074	4.0000e-005	0.0000	1.4084
Total	8.2000e-004	7.0200e-003	6.7000e-003	4.0000e-005	1.9800e-003	3.0000e-005	2.0200e-003	5.3000e-004	3.0000e-005	5.6000e-004	0.0000	3.1638	3.1638	1.6000e-004	0.0000	3.1679

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					5.0300e-003	0.0000	5.0300e-003	7.6000e-004	0.0000	7.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0315	0.3154	0.2067	3.7000e-004		0.0158	0.0158		0.0147	0.0147	0.0000	32.2986	32.2986	9.1200e-003	0.0000	32.5266
Total	0.0315	0.3154	0.2067	3.7000e-004	5.0300e-003	0.0158	0.0208	7.6000e-004	0.0147	0.0154	0.0000	32.2986	32.2986	9.1200e-003	0.0000	32.5266

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8000e-004	6.5300e-003	1.3000e-003	2.0000e-005	4.2000e-004	2.0000e-005	4.4000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.7564	1.7564	1.2000e-004	0.0000	1.7595
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	6.4000e-004	4.9000e-004	5.4000e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5800e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.4074	1.4074	4.0000e-005	0.0000	1.4084
Total	8.2000e-004	7.0200e-003	6.7000e-003	4.0000e-005	1.9800e-003	3.0000e-005	2.0200e-003	5.3000e-004	3.0000e-005	5.6000e-004	0.0000	3.1638	3.1638	1.6000e-004	0.0000	3.1679

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6000e-004	0.0000	2.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5800e-003	0.0157	0.0108	2.0000e-005		7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004	0.0000	1.7000	1.7000	4.8000e-004	0.0000	1.7120
Total	1.5800e-003	0.0157	0.0108	2.0000e-005	2.6000e-004	7.8000e-004	1.0400e-003	4.0000e-005	7.2000e-004	7.6000e-004	0.0000	1.7000	1.7000	4.8000e-004	0.0000	1.7120

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	3.2000e-004	7.0000e-005	0.0000	3.2000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0915	0.0915	1.0000e-005	0.0000	0.0916
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.6000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0717	0.0717	0.0000	0.0000	0.0717
Total	4.0000e-005	3.4000e-004	3.3000e-004	0.0000	4.0000e-004	0.0000	4.0000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.1631	0.1631	1.0000e-005	0.0000	0.1634

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6000e-004	0.0000	2.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5800e-003	0.0157	0.0108	2.0000e-005		7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004	0.0000	1.7000	1.7000	4.8000e-004	0.0000	1.7120
Total	1.5800e-003	0.0157	0.0108	2.0000e-005	2.6000e-004	7.8000e-004	1.0400e-003	4.0000e-005	7.2000e-004	7.6000e-004	0.0000	1.7000	1.7000	4.8000e-004	0.0000	1.7120

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.0000e-005	3.2000e-004	7.0000e-005	0.0000	3.2000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0915	0.0915	1.0000e-005	0.0000	0.0916
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.6000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0717	0.0717	0.0000	0.0000	0.0717
Total	4.0000e-005	3.4000e-004	3.3000e-004	0.0000	4.0000e-004	0.0000	4.0000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.1631	0.1631	1.0000e-005	0.0000	0.1634

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1012	0.0529	1.0000e-004		5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265
Total	9.7200e-003	0.1012	0.0529	1.0000e-004	0.0452	5.1100e-003	0.0503	0.0248	4.7000e-003	0.0295	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4301	0.4301	1.0000e-005	0.0000	0.4303
Total	1.9000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4301	0.4301	1.0000e-005	0.0000	0.4303

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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.7200e-003	0.1012	0.0529	1.0000e-004		5.1100e-003	5.1100e-003		4.7000e-003	4.7000e-003	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265
Total	9.7200e-003	0.1012	0.0529	1.0000e-004	0.0452	5.1100e-003	0.0503	0.0248	4.7000e-003	0.0295	0.0000	8.3589	8.3589	2.7000e-003	0.0000	8.4265

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4301	0.4301	1.0000e-005	0.0000	0.4303
Total	1.9000e-004	1.4000e-004	1.5700e-003	0.0000	4.9000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4301	0.4301	1.0000e-005	0.0000	0.4303

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1600e-003	0.0990	0.0634	1.2000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057
Total	9.1600e-003	0.0990	0.0634	1.2000e-004	0.0262	4.6400e-003	0.0309	0.0135	4.2700e-003	0.0177	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6000e-004	9.3800e-003	1.9900e-003	3.0000e-005	6.2000e-004	3.0000e-005	6.5000e-004	1.7000e-004	3.0000e-005	2.0000e-004	0.0000	2.6881	2.6881	1.8000e-004	0.0000	2.6927
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	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738
Total	5.1000e-004	9.5600e-003	4.0800e-003	4.0000e-005	1.2800e-003	3.0000e-005	1.3100e-003	3.4000e-004	3.0000e-005	3.8000e-004	0.0000	3.2615	3.2615	2.0000e-004	0.0000	3.2665

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					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1600e-003	0.0990	0.0634	1.2000e-004		4.6400e-003	4.6400e-003		4.2700e-003	4.2700e-003	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057
Total	9.1600e-003	0.0990	0.0634	1.2000e-004	0.0262	4.6400e-003	0.0309	0.0135	4.2700e-003	0.0177	0.0000	10.4215	10.4215	3.3700e-003	0.0000	10.5057

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6000e-004	9.3800e-003	1.9900e-003	3.0000e-005	6.2000e-004	3.0000e-005	6.5000e-004	1.7000e-004	3.0000e-005	2.0000e-004	0.0000	2.6881	2.6881	1.8000e-004	0.0000	2.6927
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	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738
Total	5.1000e-004	9.5600e-003	4.0800e-003	4.0000e-005	1.2800e-003	3.0000e-005	1.3100e-003	3.4000e-004	3.0000e-005	3.8000e-004	0.0000	3.2615	3.2615	2.0000e-004	0.0000	3.2665

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2186	2.0047	1.9062	3.1000e-003		0.1102	0.1102		0.1037	0.1037	0.0000	266.3829	266.3829	0.0643	0.0000	267.9895
Total	0.2186	2.0047	1.9062	3.1000e-003		0.1102	0.1102		0.1037	0.1037	0.0000	266.3829	266.3829	0.0643	0.0000	267.9895

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.3672	0.0910	9.6000e-004	0.0239	7.4000e-004	0.0247	6.9000e-003	7.1000e-004	7.6100e-003	0.0000	92.6536	92.6536	5.8600e-003	0.0000	92.8001
Worker	0.0364	0.0269	0.3046	9.2000e-004	0.0959	7.2000e-004	0.0966	0.0255	6.6000e-004	0.0261	0.0000	83.5247	83.5247	2.2400e-003	0.0000	83.5807
Total	0.0472	0.3941	0.3956	1.8800e-003	0.1198	1.4600e-003	0.1213	0.0324	1.3700e-003	0.0337	0.0000	176.1783	176.1783	8.1000e-003	0.0000	176.3808

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	0.2186	2.0047	1.9062	3.1000e-003		0.1102	0.1102		0.1037	0.1037	0.0000	266.3826	266.3826	0.0643	0.0000	267.9892
Total	0.2186	2.0047	1.9062	3.1000e-003		0.1102	0.1102		0.1037	0.1037	0.0000	266.3826	266.3826	0.0643	0.0000	267.9892

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0108	0.3672	0.0910	9.6000e-004	0.0239	7.4000e-004	0.0247	6.9000e-003	7.1000e-004	7.6100e-003	0.0000	92.6536	92.6536	5.8600e-003	0.0000	92.8001
Worker	0.0364	0.0269	0.3046	9.2000e-004	0.0959	7.2000e-004	0.0966	0.0255	6.6000e-004	0.0261	0.0000	83.5247	83.5247	2.2400e-003	0.0000	83.5807
Total	0.0472	0.3941	0.3956	1.8800e-003	0.1198	1.4600e-003	0.1213	0.0324	1.3700e-003	0.0337	0.0000	176.1783	176.1783	8.1000e-003	0.0000	176.3808

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.3000e-003	0.0921	0.1042	1.6000e-004		4.9200e-003	4.9200e-003		4.5400e-003	4.5400e-003	0.0000	13.9150	13.9150	4.3700e-003	0.0000	14.0243
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.3000e-003	0.0921	0.1042	1.6000e-004		4.9200e-003	4.9200e-003		4.5400e-003	4.5400e-003	0.0000	13.9150	13.9150	4.3700e-003	0.0000	14.0243

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	5.2000e-004	5.9200e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6246	1.6246	4.0000e-005	0.0000	1.6257
Total	7.1000e-004	5.2000e-004	5.9200e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6246	1.6246	4.0000e-005	0.0000	1.6257

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	9.3000e-003	0.0921	0.1042	1.6000e-004		4.9200e-003	4.9200e-003		4.5400e-003	4.5400e-003	0.0000	13.9150	13.9150	4.3700e-003	0.0000	14.0243
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	9.3000e-003	0.0921	0.1042	1.6000e-004		4.9200e-003	4.9200e-003		4.5400e-003	4.5400e-003	0.0000	13.9150	13.9150	4.3700e-003	0.0000	14.0243

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.1000e-004	5.2000e-004	5.9200e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6246	1.6246	4.0000e-005	0.0000	1.6257
Total	7.1000e-004	5.2000e-004	5.9200e-003	2.0000e-005	1.8700e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6246	1.6246	4.0000e-005	0.0000	1.6257

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.9000e-004	4.7600e-003	6.1000e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.3000e-004	2.3000e-004	0.0000	0.8188	0.8188	2.6000e-004	0.0000	0.8252
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.9000e-004	4.7600e-003	6.1000e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.3000e-004	2.3000e-004	0.0000	0.8188	0.8188	2.6000e-004	0.0000	0.8252

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.6 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.2000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0921	0.0921	0.0000	0.0000	0.0922
Total	4.0000e-005	3.0000e-005	3.2000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0921	0.0921	0.0000	0.0000	0.0922

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	4.9000e-004	4.7600e-003	6.1000e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.3000e-004	2.3000e-004	0.0000	0.8188	0.8188	2.6000e-004	0.0000	0.8252
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.9000e-004	4.7600e-003	6.1000e-003	1.0000e-005		2.4000e-004	2.4000e-004		2.3000e-004	2.3000e-004	0.0000	0.8188	0.8188	2.6000e-004	0.0000	0.8252

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.6 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.2000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0921	0.0921	0.0000	0.0000	0.0922
Total	4.0000e-005	3.0000e-005	3.2000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0921	0.0921	0.0000	0.0000	0.0922

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4277					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e-003	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017
Total	0.4296	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.8000e-004	4.3400e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2439	1.2439	3.0000e-005	0.0000	1.2447
Total	5.3000e-004	3.8000e-004	4.3400e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2439	1.2439	3.0000e-005	0.0000	1.2447

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	0.4277					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8400e-003	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017
Total	0.4296	0.0127	0.0163	3.0000e-005		7.4000e-004	7.4000e-004		7.4000e-004	7.4000e-004	0.0000	2.2979	2.2979	1.5000e-004	0.0000	2.3017

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.3000e-004	3.8000e-004	4.3400e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2439	1.2439	3.0000e-005	0.0000	1.2447
Total	5.3000e-004	3.8000e-004	4.3400e-003	1.0000e-005	1.4800e-003	1.0000e-005	1.4900e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2439	1.2439	3.0000e-005	0.0000	1.2447

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2301	1.2854	3.0868	0.0112	0.9114	9.1000e-003	0.9205	0.2442	8.5000e-003	0.2527	0.0000	1,034.3346	1,034.3346	0.0512	0.0000	1,035.6152
Unmitigated	0.2301	1.2854	3.0868	0.0112	0.9114	9.1000e-003	0.9205	0.2442	8.5000e-003	0.2527	0.0000	1,034.3346	1,034.3346	0.0512	0.0000	1,035.6152

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	138.87	30.97	13.22	339,878	339,878
General Office Building	157.29	35.08	14.97	384,961	384,961
General Office Building	573.56	127.92	54.60	1,403,784	1,403,784
General Office Building	110.30	24.60	10.50	269,958	269,958
Parking Lot	0.00	0.00	0.00		
Total	980.02	218.57	93.29	2,398,581	2,398,581

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Parking Lot	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	604.1330	604.1330	0.0157	3.2500e-003	605.4942
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	604.1330	604.1330	0.0157	3.2500e-003	605.4942
NaturalGas Mitigated	4.9900e-003	0.0453	0.0381	2.7000e-004		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	49.3560	49.3560	9.5000e-004	9.0000e-004	49.6493
NaturalGas Unmitigated	4.9900e-003	0.0453	0.0381	2.7000e-004		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	49.3560	49.3560	9.5000e-004	9.0000e-004	49.6493

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

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 Office Building	104100	5.6000e-004	5.1000e-003	4.2900e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	5.5552	5.5552	1.1000e-004	1.0000e-004	5.5882
General Office Building	131031	7.1000e-004	6.4200e-003	5.4000e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9923	6.9923	1.3000e-004	1.3000e-004	7.0339
General Office Building	148447	8.0000e-004	7.2800e-003	6.1100e-003	4.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	7.9217	7.9217	1.5000e-004	1.5000e-004	7.9688
General Office Building	541320	2.9200e-003	0.0265	0.0223	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	28.8869	28.8869	5.5000e-004	5.3000e-004	29.0586
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.9900e-003	0.0453	0.0381	2.7000e-004		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	49.3561	49.3561	9.4000e-004	9.1000e-004	49.6493

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	104100	5.6000e-004	5.1000e-003	4.2900e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	5.5552	5.5552	1.1000e-004	1.0000e-004	5.5882
General Office Building	131031	7.1000e-004	6.4200e-003	5.4000e-003	4.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	6.9923	6.9923	1.3000e-004	1.3000e-004	7.0339
General Office Building	148447	8.0000e-004	7.2800e-003	6.1100e-003	4.0000e-005		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	7.9217	7.9217	1.5000e-004	1.5000e-004	7.9688
General Office Building	541320	2.9200e-003	0.0265	0.0223	1.6000e-004		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.0000	28.8869	28.8869	5.5000e-004	5.3000e-004	29.0586
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		4.9900e-003	0.0453	0.0381	2.7000e-004		3.4500e-003	3.4500e-003		3.4500e-003	3.4500e-003	0.0000	49.3561	49.3561	9.4000e-004	9.1000e-004	49.6493

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	129900	65.7171	1.7100e-003	3.5000e-004	65.8652
General Office Building	163505	82.7181	2.1500e-003	4.4000e-004	82.9045
General Office Building	185237	93.7126	2.4400e-003	5.0000e-004	93.9237
General Office Building	675480	341.7288	8.8900e-003	1.8400e-003	342.4988
Parking Lot	40040	20.2564	5.3000e-004	1.1000e-004	20.3021
Total		604.1330	0.0157	3.2400e-003	605.4942

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	129900	65.7171	1.7100e-003	3.5000e-004	65.8652
General Office Building	163505	82.7181	2.1500e-003	4.4000e-004	82.9045
General Office Building	185237	93.7126	2.4400e-003	5.0000e-004	93.9237
General Office Building	675480	341.7288	8.8900e-003	1.8400e-003	342.4988
Parking Lot	40040	20.2564	5.3000e-004	1.1000e-004	20.3021
Total		604.1330	0.0157	3.2400e-003	605.4942

6.0 Area Detail

6.1 Mitigation Measures Area

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3717	4.0000e-005	4.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.3000e-003	9.3000e-003	2.0000e-005	0.0000	9.9200e-003
Unmitigated	0.3717	4.0000e-005	4.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.3000e-003	9.3000e-003	2.0000e-005	0.0000	9.9200e-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	0.0428					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.5000e-004	4.0000e-005	4.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.3000e-003	9.3000e-003	2.0000e-005	0.0000	9.9200e-003
Total	0.3717	4.0000e-005	4.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.3000e-003	9.3000e-003	2.0000e-005	0.0000	9.9200e-003

6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0428					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3284					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.5000e-004	4.0000e-005	4.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.3000e-003	9.3000e-003	2.0000e-005	0.0000	9.9200e-003
Total	0.3717	4.0000e-005	4.8000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	9.3000e-003	9.3000e-003	2.0000e-005	0.0000	9.9200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

7.2 Water by Land Use
Unmitigated

Category	Total CO2	CH4	N2O	CO2e
Mitigated	163.4361	0.5187	0.0130	180.2781
Unmitigated	163.4361	0.5187	0.0130	180.2781
MT/yr				

Indoor/Outdoor Use	Mgal	Total CO2	CH4	N2O	CO2e
Land Use		MT/yr			
General Office Building	15.7916 / 9.67875	163.4361	0.5187	0.0130	180.2781
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		163.4361	0.5187	0.0130	180.2781

7.2 Water by Land Use
Mitigated

Indoor/Outdoor Use	Total CO ₂	CH ₄	N ₂ O	CO ₂ e
Mgal	MT/yr			
General Office Building	15.7916 / 9.67875	163.4361	0.5187	0.0130
Parking Lot	0 / 0	0.0000	0.0000	0.0000
Total		163.4361	0.5187	0.0130
				180.2781

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

Total CO ₂	CH ₄	N ₂ O	CO ₂ e
MT/yr			
Mitigated	16.7731	0.9913	0.0000
Unmitigated	16.7731	0.9913	0.0000
			41.5548

8.2 Waste by Land Use
Unmitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e	Land Use	
					tons	MT/yr
82.63	16.7731	0.9913	0.0000	41.5548	General Office Building	
0	0.0000	0.0000	0.0000	0.0000	Parking Lot	
	16.7731	0.9913	0.0000	41.5548	Total	

Mitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e	Land Use	
					tons	MT/yr
82.63	16.7731	0.9913	0.0000	41.5548	General Office Building	
0	0.0000	0.0000	0.0000	0.0000	Parking Lot	
	16.7731	0.9913	0.0000	41.5548	Total	

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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6265-6365 San Fernando Road - South Coast AQMD Air District, Annual

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
