

Appendix B:
Air Quality, Energy, and
Greenhouse Gas Modeling
Worksheets

Part 1: Air Quality and Greenhouse
Gas Modeling Worksheets

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Annual

Bouquet Canyon Project_MHDT & Tier 4 Mitigation

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	10.52	1000sqft	0.24	10,522.00	0
City Park	2.65	Acre	2.65	115,434.00	0
Health Club	10.75	1000sqft	0.25	10,746.00	0
Recreational Swimming Pool	9.68	1000sqft	0.22	9,676.00	0
Apartments Mid Rise	78.00	Dwelling Unit	2.05	78,000.00	223
Condo/Townhouse High Rise	227.00	Dwelling Unit	3.55	227,000.00	649
Single Family Housing	61.00	Dwelling Unit	19.81	109,800.00	174

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	513	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - CO2 Intensity Factor Source: Southern California Edison, 2018 Sustainability Report, dated May 2019.

Land Use - Per project description.

Construction Phase - Based on applicant assumptions.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Anticipated trenching equipment.

Trips and VMT - Earthwork would be balanced on-site.

Grading -

Vehicle Trips - Per traffic study.

Energy Use -

Construction Off-road Equipment Mitigation - Per SCAQMD standards and regulations. Tier 4 engines per mitigation measure.

Energy Mitigation - % Improvement based on efficiency of 2019 Title 24 Standards compared to 2016 Title 24 Standards.

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	77.00
tblConstructionPhase	NumDays	45.00	187.00
tblConstructionPhase	NumDays	35.00	132.00
tblConstructionPhase	NumDays	440.00	792.00
tblConstructionPhase	NumDays	35.00	396.00
tblGrading	MaterialExported	0.00	2,069,664.00
tblGrading	MaterialImported	0.00	2,069,664.00
tblLandUse	LandUseSquareFeet	10,520.00	10,522.00
tblLandUse	LandUseSquareFeet	10,750.00	10,746.00

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tblLandUse	LandUseSquareFeet	9,680.00	9,676.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblTripsAndVMT	HaulingTripLength	20.00	0.50
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblVehicleTrips	ST_TR	6.39	10.77
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	10.77
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	9.91	10.77
tblVehicleTrips	SU_TR	5.86	10.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	10.77
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	8.62	10.77
tblVehicleTrips	WD_TR	6.65	10.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	10.77
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	9.52	10.77

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2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.4074	4.9557	3.0938	5.0400e-003	1.4772	0.1718	1.6490	0.5907	0.1582	0.7488	0.0000	448.6006	448.6006	0.1186	0.0000	451.5642
2021	0.4168	5.2533	3.8075	6.1500e-003	0.8901	0.1650	1.0551	0.2660	0.1518	0.4178	0.0000	548.1158	548.1158	0.1392	0.0000	551.5952
2022	0.2948	2.2804	2.9492	6.8700e-003	0.2825	0.0944	0.3769	0.0757	0.0881	0.1638	0.0000	617.1930	617.1930	0.0902	0.0000	619.4488
2023	0.4114	2.5661	3.5805	9.5500e-003	0.4869	0.0954	0.5823	0.1305	0.0897	0.2203	0.0000	861.7659	861.7659	0.0917	0.0000	864.0592
2024	1.2978	2.6222	3.9595	0.0106	0.5745	0.0930	0.6675	0.1538	0.0879	0.2417	0.0000	956.4651	956.4651	0.0945	0.0000	958.8284
2025	0.5981	1.1595	1.8035	4.8900e-003	0.2697	0.0378	0.3075	0.0722	0.0357	0.1079	0.0000	440.8521	440.8521	0.0437	0.0000	441.9436
Maximum	1.2978	5.2533	3.9595	0.0106	1.4772	0.1718	1.6490	0.5907	0.1582	0.7488	0.0000	956.4651	956.4651	0.1392	0.0000	958.8284

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2.1 Overall Construction**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	0.1264	1.5948	3.1091	5.0400e-003	0.5755	9.7800e-003	0.5853	0.2270	9.6200e-003	0.2367	0.0000	448.6002	448.6002	0.1186	0.0000	451.5638
2021	0.1541	2.1031	3.9520	6.1500e-003	0.3627	8.2700e-003	0.3710	0.1084	8.2200e-003	0.1166	0.0000	548.1153	548.1153	0.1392	0.0000	551.5947
2022	0.1664	0.9313	3.1553	6.8700e-003	0.2200	0.0181	0.2381	0.0604	0.0179	0.0783	0.0000	617.1926	617.1926	0.0902	0.0000	619.4485
2023	0.2808	1.3025	3.6883	9.5500e-003	0.3793	0.0253	0.4046	0.1041	0.0250	0.1291	0.0000	861.7655	861.7655	0.0917	0.0000	864.0588
2024	1.1767	1.4499	4.0775	0.0106	0.4472	0.0314	0.4785	0.1225	0.0310	0.1535	0.0000	956.4647	956.4647	0.0945	0.0000	958.8280
2025	0.5465	0.6599	1.8637	4.8900e-003	0.2099	0.0132	0.2231	0.0575	0.0130	0.0705	0.0000	440.8519	440.8519	0.0437	0.0000	441.9434
Maximum	1.1767	2.1031	4.0775	0.0106	0.5755	0.0314	0.5853	0.2270	0.0310	0.2367	0.0000	956.4647	956.4647	0.1392	0.0000	958.8280

	ROG	NOx	CO	SO2	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	28.47	57.31	-3.40	0.00	44.87	83.88	50.40	47.24	82.87	58.70	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	7-1-2020	9-30-2020	1.7771	0.2958
2	10-1-2020	12-31-2020	3.0414	1.3793
3	1-1-2021	3-31-2021	2.7689	1.2734
4	4-1-2021	6-30-2021	2.0797	0.9090
5	7-1-2021	9-30-2021	0.3952	0.0302

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6	10-1-2021	12-31-2021	0.4157	0.0366
7	1-1-2022	3-31-2022	0.3968	0.0518
8	4-1-2022	6-30-2022	0.5030	0.1454
9	7-1-2022	9-30-2022	0.8326	0.4432
10	10-1-2022	12-31-2022	0.8399	0.4504
11	1-1-2023	3-31-2023	0.7257	0.3810
12	4-1-2023	6-30-2023	0.7272	0.3787
13	7-1-2023	9-30-2023	0.7352	0.3829
14	10-1-2023	12-31-2023	0.7948	0.4424
15	1-1-2024	3-31-2024	0.9745	0.6536
16	4-1-2024	6-30-2024	0.9670	0.6461
17	7-1-2024	9-30-2024	0.9776	0.6532
18	10-1-2024	12-31-2024	0.9852	0.6608
19	1-1-2025	3-31-2025	0.9205	0.6324
20	4-1-2025	6-30-2025	0.8221	0.5628
		Highest	3.0414	1.3793

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9865	0.1384	6.0979	6.1300e-003		0.3704	0.3704		0.3704	0.3704	38.8762	80.8730	119.7492	0.1218	2.6400e-003	123.5815
Energy	0.0321	0.2750	0.1210	1.7500e-003		0.0222	0.0222		0.0222	0.0222	0.0000	763.9929	763.9929	0.0313	0.0111	768.0673
Mobile	1.0096	4.8051	13.8472	0.0566	5.1112	0.0431	5.1543	1.3698	0.0401	1.4098	0.0000	5,242.6946	5,242.6946	0.2432	0.0000	5,248.7742
Waste						0.0000	0.0000		0.0000	0.0000	66.6460	0.0000	66.6460	3.9387	0.0000	165.1126
Water						0.0000	0.0000		0.0000	0.0000	7.9487	124.8552	132.8039	0.8235	0.0207	159.5703
Total	4.0281	5.2185	20.0661	0.0645	5.1112	0.4357	5.5469	1.3698	0.4327	1.8024	113.4709	6,212.4158	6,325.8866	5.1585	0.0344	6,465.1059

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7956	0.1117	3.8004	6.4000e-004		0.0265	0.0265		0.0265	0.0265	0.0000	85.2675	85.2675	7.4200e-003	1.4500e-003	85.8852
Energy	0.0219	0.1876	0.0822	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	647.1482	647.1482	0.0285	9.0100e-003	650.5447
Mobile	1.0096	4.8051	13.8472	0.0566	5.1112	0.0431	5.1543	1.3698	0.0401	1.4098	0.0000	5,242.6946	5,242.6946	0.2432	0.0000	5,248.7742
Waste						0.0000	0.0000		0.0000	0.0000	33.3230	0.0000	33.3230	1.9693	0.0000	82.5563
Water						0.0000	0.0000		0.0000	0.0000	7.9487	124.8552	132.8039	0.8235	0.0207	159.5703
Total	2.8271	5.1044	17.7298	0.0585	5.1112	0.0847	5.1959	1.3698	0.0817	1.4514	41.2717	6,099.9655	6,141.2372	3.0719	0.0312	6,227.3306

	ROG	NOx	CO	SO2	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	29.82	2.19	11.64	9.36	0.00	80.56	6.33	0.00	81.13	19.47	63.63	1.81	2.92	40.45	9.38	3.68

3.0 Construction Detail**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2020	9/15/2020	5	77	
2	Grading - Earthwork	Grading	9/16/2020	6/3/2021	5	187	
3	Trenching	Trenching	6/4/2021	12/6/2021	5	132	
4	Paving	Paving	12/7/2021	6/8/2022	5	132	
5	Building Construction	Building Construction	6/9/2022	6/20/2025	5	792	
6	Architectural Coating	Architectural Coating	12/15/2023	6/20/2025	5	396	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.24

Residential Indoor: 839,970; Residential Outdoor: 279,990; Non-Residential Indoor: 16,119; Non-Residential Outdoor: 5,373; Striped Parking Area: 631 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Earthwork	Excavators	2	8.00	158	0.38
Grading - Earthwork	Graders	1	8.00	187	0.41
Grading - Earthwork	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Earthwork	Scrapers	2	8.00	367	0.48
Grading - Earthwork	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Pavers	0		130	0.42
Trenching	Paving Equipment	0		132	0.36
Trenching	Rollers	0		80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Paving	Air Compressors	0		78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Grading - Earthwork	8	20.00	0.00	258,708.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	MHDT
Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Building Construction	9	303.00	63.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Architectural Coating	1	61.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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3.2 Site Preparation - 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					0.6956	0.0000	0.6956	0.3823	0.0000	0.3823	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1569	1.6331	0.8283	1.4600e-003		0.0846	0.0846		0.0778	0.0778	0.0000	128.7081	128.7081	0.0416	0.0000	129.7488
Total	0.1569	1.6331	0.8283	1.4600e-003	0.6956	0.0846	0.7802	0.3823	0.0778	0.4602	0.0000	128.7081	128.7081	0.0416	0.0000	129.7488

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.5800e-003	0.0285	8.0000e-005	7.5900e-003	6.0000e-005	7.6600e-003	2.0200e-003	6.0000e-005	2.0800e-003	0.0000	7.0780	7.0780	2.2000e-004	0.0000	7.0835
Total	3.2000e-003	2.5800e-003	0.0285	8.0000e-005	7.5900e-003	6.0000e-005	7.6600e-003	2.0200e-003	6.0000e-005	2.0800e-003	0.0000	7.0780	7.0780	2.2000e-004	0.0000	7.0835

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3.2 Site Preparation - 2020**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					0.2577	0.0000	0.2577	0.1417	0.0000	0.1417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0179	0.0777	0.8035	1.4600e-003		2.3900e-003	2.3900e-003		2.3900e-003	2.3900e-003	0.0000	128.7080	128.7080	0.0416	0.0000	129.7486
Total	0.0179	0.0777	0.8035	1.4600e-003	0.2577	2.3900e-003	0.2601	0.1417	2.3900e-003	0.1440	0.0000	128.7080	128.7080	0.0416	0.0000	129.7486

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.5800e-003	0.0285	8.0000e-005	5.8800e-003	6.0000e-005	5.9500e-003	1.6000e-003	6.0000e-005	1.6600e-003	0.0000	7.0780	7.0780	2.2000e-004	0.0000	7.0835
Total	3.2000e-003	2.5800e-003	0.0285	8.0000e-005	5.8800e-003	6.0000e-005	5.9500e-003	1.6000e-003	6.0000e-005	1.6600e-003	0.0000	7.0780	7.0780	2.2000e-004	0.0000	7.0835

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3.3 Grading - Earthwork - 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					0.7138	0.0000	0.7138	0.1897	0.0000	0.1897	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1713	1.9326	1.2304	2.3900e-003		0.0837	0.0837		0.0770	0.0770	0.0000	209.7645	209.7645	0.0678	0.0000	211.4606
Total	0.1713	1.9326	1.2304	2.3900e-003	0.7138	0.0837	0.7975	0.1897	0.0770	0.2667	0.0000	209.7645	209.7645	0.0678	0.0000	211.4606

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	0.0724	1.3846	0.9749	1.0300e-003	0.0518	3.3400e-003	0.0552	0.0144	3.2000e-003	0.0176	0.0000	95.1856	95.1856	8.6100e-003	0.0000	95.4007
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	3.5500e-003	2.8700e-003	0.0317	9.0000e-005	8.4400e-003	7.0000e-005	8.5100e-003	2.2400e-003	7.0000e-005	2.3100e-003	0.0000	7.8644	7.8644	2.5000e-004	0.0000	7.8706
Total	0.0760	1.3875	1.0066	1.1200e-003	0.0603	3.4100e-003	0.0637	0.0166	3.2700e-003	0.0199	0.0000	103.0500	103.0500	8.8600e-003	0.0000	103.2713

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3.3 Grading - Earthwork - 2020**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					0.2645	0.0000	0.2645	0.0703	0.0000	0.0703	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0293	0.1271	1.2705	2.3900e-003		3.9100e-003	3.9100e-003		3.9100e-003	3.9100e-003	0.0000	209.7643	209.7643	0.0678	0.0000	211.4603
Total	0.0293	0.1271	1.2705	2.3900e-003	0.2645	3.9100e-003	0.2684	0.0703	3.9100e-003	0.0742	0.0000	209.7643	209.7643	0.0678	0.0000	211.4603

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	0.0724	1.3846	0.9749	1.0300e-003	0.0410	3.3400e-003	0.0443	0.0117	3.2000e-003	0.0149	0.0000	95.1856	95.1856	8.6100e-003	0.0000	95.4007
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	3.5500e-003	2.8700e-003	0.0317	9.0000e-005	6.5400e-003	7.0000e-005	6.6100e-003	1.7700e-003	7.0000e-005	1.8400e-003	0.0000	7.8644	7.8644	2.5000e-004	0.0000	7.8706
Total	0.0760	1.3875	1.0066	1.1200e-003	0.0475	3.4100e-003	0.0509	0.0135	3.2700e-003	0.0168	0.0000	103.0500	103.0500	8.8600e-003	0.0000	103.2713

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3.3 Grading - Earthwork - 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					0.8132	0.0000	0.8132	0.2443	0.0000	0.2443	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2305	2.5520	1.6983	3.4100e-003		0.1092	0.1092		0.1005	0.1005	0.0000	299.7224	299.7224	0.0969	0.0000	302.1458
Total	0.2305	2.5520	1.6983	3.4100e-003	0.8132	0.1092	0.9224	0.2443	0.1005	0.3447	0.0000	299.7224	299.7224	0.0969	0.0000	302.1458

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	0.0909	1.8584	1.2557	1.4600e-003	0.0561	7.7000e-004	0.0569	0.0162	7.3000e-004	0.0169	0.0000	135.3762	135.3762	0.0112	0.0000	135.6566
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	4.7300e-003	3.6800e-003	0.0416	1.2000e-004	0.0121	1.0000e-004	0.0122	3.2000e-003	9.0000e-005	3.2900e-003	0.0000	10.8781	10.8781	3.2000e-004	0.0000	10.8861
Total	0.0956	1.8620	1.2973	1.5800e-003	0.0682	8.7000e-004	0.0690	0.0194	8.2000e-004	0.0202	0.0000	146.2543	146.2543	0.0115	0.0000	146.5427

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3.3 Grading - Earthwork - 2021**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					0.3013	0.0000	0.3013	0.0905	0.0000	0.0905	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0419	0.1815	1.8150	3.4100e-003		5.5800e-003	5.5800e-003		5.5800e-003	5.5800e-003	0.0000	299.7220	299.7220	0.0969	0.0000	302.1455
Total	0.0419	0.1815	1.8150	3.4100e-003	0.3013	5.5800e-003	0.3069	0.0905	5.5800e-003	0.0961	0.0000	299.7220	299.7220	0.0969	0.0000	302.1455

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	0.0909	1.8584	1.2557	1.4600e-003	0.0453	7.7000e-004	0.0460	0.0135	7.3000e-004	0.0142	0.0000	135.3762	135.3762	0.0112	0.0000	135.6566
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	4.7300e-003	3.6800e-003	0.0416	1.2000e-004	9.3400e-003	1.0000e-004	9.4400e-003	2.5300e-003	9.0000e-005	2.6300e-003	0.0000	10.8781	10.8781	3.2000e-004	0.0000	10.8861
Total	0.0956	1.8620	1.2973	1.5800e-003	0.0546	8.7000e-004	0.0555	0.0160	8.2000e-004	0.0169	0.0000	146.2543	146.2543	0.0115	0.0000	146.5427

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3.4 Trenching - 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	0.0752	0.7138	0.6424	8.6000e-004		0.0484	0.0484		0.0445	0.0445	0.0000	75.1807	75.1807	0.0243	0.0000	75.7886
Total	0.0752	0.7138	0.6424	8.6000e-004		0.0484	0.0484		0.0445	0.0445	0.0000	75.1807	75.1807	0.0243	0.0000	75.7886

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	2.8400e-003	2.2100e-003	0.0250	7.0000e-005	7.2300e-003	6.0000e-005	7.2900e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.5269	6.5269	1.9000e-004	0.0000	6.5317
Total	2.8400e-003	2.2100e-003	0.0250	7.0000e-005	7.2300e-003	6.0000e-005	7.2900e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.5269	6.5269	1.9000e-004	0.0000	6.5317

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3.4 Trenching - 2021**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	0.0105	0.0453	0.6451	8.6000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	75.1807	75.1807	0.0243	0.0000	75.7885
Total	0.0105	0.0453	0.6451	8.6000e-004		1.3900e-003	1.3900e-003		1.3900e-003	1.3900e-003	0.0000	75.1807	75.1807	0.0243	0.0000	75.7885

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	2.8400e-003	2.2100e-003	0.0250	7.0000e-005	5.6000e-003	6.0000e-005	5.6600e-003	1.5200e-003	5.0000e-005	1.5800e-003	0.0000	6.5269	6.5269	1.9000e-004	0.0000	6.5317
Total	2.8400e-003	2.2100e-003	0.0250	7.0000e-005	5.6000e-003	6.0000e-005	5.6600e-003	1.5200e-003	5.0000e-005	1.5800e-003	0.0000	6.5269	6.5269	1.9000e-004	0.0000	6.5317

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3.5 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	0.0119	0.1227	0.1392	2.2000e-004		6.4400e-003	6.4400e-003		5.9200e-003	5.9200e-003	0.0000	19.0223	19.0223	6.1500e-003	0.0000	19.1761
Paving	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0120	0.1227	0.1392	2.2000e-004		6.4400e-003	6.4400e-003		5.9200e-003	5.9200e-003	0.0000	19.0223	19.0223	6.1500e-003	0.0000	19.1761

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	6.1000e-004	4.8000e-004	5.3900e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.1000e-004	1.0000e-005	4.3000e-004	0.0000	1.4092	1.4092	4.0000e-005	0.0000	1.4102
Total	6.1000e-004	4.8000e-004	5.3900e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.1000e-004	1.0000e-005	4.3000e-004	0.0000	1.4092	1.4092	4.0000e-005	0.0000	1.4102

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3.5 Paving - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6600e-003	0.0116	0.1643	2.2000e-004		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	19.0223	19.0223	6.1500e-003	0.0000	19.1761
Paving	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.7100e-003	0.0116	0.1643	2.2000e-004		3.6000e-004	3.6000e-004		3.6000e-004	3.6000e-004	0.0000	19.0223	19.0223	6.1500e-003	0.0000	19.1761

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	6.1000e-004	4.8000e-004	5.3900e-003	2.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.4092	1.4092	4.0000e-005	0.0000	1.4102
Total	6.1000e-004	4.8000e-004	5.3900e-003	2.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.4092	1.4092	4.0000e-005	0.0000	1.4102

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3.5 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	0.0623	0.6286	0.8238	1.2900e-003		0.0321	0.0321		0.0295	0.0295	0.0000	113.1557	113.1557	0.0366	0.0000	114.0706
Paving	2.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0626	0.6286	0.8238	1.2900e-003		0.0321	0.0321		0.0295	0.0295	0.0000	113.1557	113.1557	0.0366	0.0000	114.0706

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4200e-003	2.5600e-003	0.0295	9.0000e-005	9.2900e-003	7.0000e-005	9.3600e-003	2.4700e-003	7.0000e-005	2.5300e-003	0.0000	8.0865	8.0865	2.2000e-004	0.0000	8.0920
Total	3.4200e-003	2.5600e-003	0.0295	9.0000e-005	9.2900e-003	7.0000e-005	9.3600e-003	2.4700e-003	7.0000e-005	2.5300e-003	0.0000	8.0865	8.0865	2.2000e-004	0.0000	8.0920

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3.5 Paving - 2022**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	0.0159	0.0687	0.9772	1.2900e-003		2.1100e-003	2.1100e-003		2.1100e-003	2.1100e-003	0.0000	113.1556	113.1556	0.0366	0.0000	114.0705
Paving	2.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0161	0.0687	0.9772	1.2900e-003		2.1100e-003	2.1100e-003		2.1100e-003	2.1100e-003	0.0000	113.1556	113.1556	0.0366	0.0000	114.0705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4200e-003	2.5600e-003	0.0295	9.0000e-005	7.1900e-003	7.0000e-005	7.2700e-003	1.9500e-003	7.0000e-005	2.0200e-003	0.0000	8.0865	8.0865	2.2000e-004	0.0000	8.0920
Total	3.4200e-003	2.5600e-003	0.0295	9.0000e-005	7.1900e-003	7.0000e-005	7.2700e-003	1.9500e-003	7.0000e-005	2.0200e-003	0.0000	8.0865	8.0865	2.2000e-004	0.0000	8.0920

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3.6 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1254	1.1478	1.2027	1.9800e-003		0.0595	0.0595		0.0559	0.0559	0.0000	170.3181	170.3181	0.0408	0.0000	171.3381
Total	0.1254	1.1478	1.2027	1.9800e-003		0.0595	0.0595		0.0559	0.0559	0.0000	170.3181	170.3181	0.0408	0.0000	171.3381

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	0.0135	0.4342	0.1172	1.1700e-003	0.0292	8.1000e-004	0.0300	8.4200e-003	7.8000e-004	9.2000e-003	0.0000	113.1377	113.1377	6.7600e-003	0.0000	113.3067
Worker	0.0899	0.0674	0.7760	2.3500e-003	0.2440	1.9500e-003	0.2460	0.0648	1.7900e-003	0.0666	0.0000	212.4950	212.4950	5.8500e-003	0.0000	212.6413
Total	0.1034	0.5015	0.8932	3.5200e-003	0.2732	2.7600e-003	0.2760	0.0732	2.5700e-003	0.0758	0.0000	325.6328	325.6328	0.0126	0.0000	325.9480

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3.6 Building Construction - 2022**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	0.0435	0.3585	1.2554	1.9800e-003		0.0132	0.0132		0.0132	0.0132	0.0000	170.3179	170.3179	0.0408	0.0000	171.3379
Total	0.0435	0.3585	1.2554	1.9800e-003		0.0132	0.0132		0.0132	0.0132	0.0000	170.3179	170.3179	0.0408	0.0000	171.3379

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	0.0135	0.4342	0.1172	1.1700e-003	0.0238	8.1000e-004	0.0246	7.1000e-003	7.8000e-004	7.8800e-003	0.0000	113.1377	113.1377	6.7600e-003	0.0000	113.3067
Worker	0.0899	0.0674	0.7760	2.3500e-003	0.1890	1.9500e-003	0.1910	0.0513	1.7900e-003	0.0531	0.0000	212.4950	212.4950	5.8500e-003	0.0000	212.6413
Total	0.1034	0.5015	0.8932	3.5200e-003	0.2128	2.7600e-003	0.2156	0.0584	2.5700e-003	0.0610	0.0000	325.6328	325.6328	0.0126	0.0000	325.9480

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3.6 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

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	0.0177	0.5802	0.1860	1.9900e-003	0.0516	6.8000e-004	0.0523	0.0149	6.5000e-004	0.0155	0.0000	193.8429	193.8429	0.0106	0.0000	194.1070
Worker	0.1494	0.1078	1.2621	4.0000e-003	0.4316	3.3500e-003	0.4350	0.1146	3.0800e-003	0.1177	0.0000	362.0884	362.0884	9.3200e-003	0.0000	362.3215
Total	0.1672	0.6880	1.4481	5.9900e-003	0.4832	4.0300e-003	0.4873	0.1295	3.7300e-003	0.1333	0.0000	555.9314	555.9314	0.0199	0.0000	556.4284

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3.6 Building Construction - 2023**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	0.0738	0.6065	2.2195	3.5000e-003		0.0208	0.0208		0.0208	0.0208	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.0738	0.6065	2.2195	3.5000e-003		0.0208	0.0208		0.0208	0.0208	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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	0.0177	0.5802	0.1860	1.9900e-003	0.0421	6.8000e-004	0.0428	0.0126	6.5000e-004	0.0132	0.0000	193.8429	193.8429	0.0106	0.0000	194.1070
Worker	0.1494	0.1078	1.2621	4.0000e-003	0.3344	3.3500e-003	0.3377	0.0908	3.0800e-003	0.0939	0.0000	362.0884	362.0884	9.3200e-003	0.0000	362.3215
Total	0.1672	0.6880	1.4481	5.9900e-003	0.3765	4.0300e-003	0.3805	0.1033	3.7300e-003	0.1071	0.0000	555.9314	555.9314	0.0199	0.0000	556.4284

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3.6 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

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	0.0174	0.5824	0.1817	2.0000e-003	0.0520	6.7000e-004	0.0527	0.0150	6.4000e-004	0.0157	0.0000	194.5558	194.5558	0.0105	0.0000	194.8180
Worker	0.1426	0.0991	1.1843	3.9100e-003	0.4350	3.3300e-003	0.4383	0.1155	3.0600e-003	0.1186	0.0000	353.5605	353.5605	8.6100e-003	0.0000	353.7757
Total	0.1601	0.6815	1.3660	5.9100e-003	0.4870	4.0000e-003	0.4909	0.1305	3.7000e-003	0.1342	0.0000	548.1163	548.1163	0.0191	0.0000	548.5937

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3.6 Building Construction - 2024**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	0.0717	0.5887	2.2359	3.5300e-003		0.0187	0.0187		0.0187	0.0187	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0717	0.5887	2.2359	3.5300e-003		0.0187	0.0187		0.0187	0.0187	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

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	0.0174	0.5824	0.1817	2.0000e-003	0.0424	6.7000e-004	0.0431	0.0127	6.4000e-004	0.0133	0.0000	194.5558	194.5558	0.0105	0.0000	194.8180
Worker	0.1426	0.0991	1.1843	3.9100e-003	0.3369	3.3300e-003	0.3403	0.0915	3.0600e-003	0.0945	0.0000	353.5605	353.5605	8.6100e-003	0.0000	353.7757
Total	0.1601	0.6815	1.3660	5.9100e-003	0.3794	4.0000e-003	0.3834	0.1041	3.7000e-003	0.1078	0.0000	548.1163	548.1163	0.0191	0.0000	548.5937

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3.6 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0841	0.7669	0.9892	1.6600e-003		0.0324	0.0324		0.0305	0.0305	0.0000	142.6305	142.6305	0.0335	0.0000	143.4687
Total	0.0841	0.7669	0.9892	1.6600e-003		0.0324	0.0324		0.0305	0.0305	0.0000	142.6305	142.6305	0.0335	0.0000	143.4687

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.9700e-003	0.2711	0.0831	9.3000e-004	0.0244	3.1000e-004	0.0247	7.0400e-003	3.0000e-004	7.3400e-003	0.0000	90.8396	90.8396	4.8500e-003	0.0000	90.9609
Worker	0.0637	0.0426	0.5160	1.7600e-003	0.2042	1.5300e-003	0.2057	0.0542	1.4100e-003	0.0556	0.0000	159.5574	159.5574	3.6800e-003	0.0000	159.6495
Total	0.0716	0.3136	0.5991	2.6900e-003	0.2286	1.8400e-003	0.2305	0.0613	1.7100e-003	0.0630	0.0000	250.3970	250.3970	8.5300e-003	0.0000	250.6104

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3.6 Building Construction - 2025**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	0.0325	0.2672	1.0494	1.6600e-003		7.8300e-003	7.8300e-003		7.8300e-003	7.8300e-003	0.0000	142.6303	142.6303	0.0335	0.0000	143.4685
Total	0.0325	0.2672	1.0494	1.6600e-003		7.8300e-003	7.8300e-003		7.8300e-003	7.8300e-003	0.0000	142.6303	142.6303	0.0335	0.0000	143.4685

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.9700e-003	0.2711	0.0831	9.3000e-004	0.0199	3.1000e-004	0.0202	5.9400e-003	3.0000e-004	6.2400e-003	0.0000	90.8396	90.8396	4.8500e-003	0.0000	90.9609
Worker	0.0637	0.0426	0.5160	1.7600e-003	0.1582	1.5300e-003	0.1597	0.0429	1.4100e-003	0.0444	0.0000	159.5574	159.5574	3.6800e-003	0.0000	159.6495
Total	0.0716	0.3136	0.5991	2.6900e-003	0.1781	1.8400e-003	0.1799	0.0489	1.7100e-003	0.0506	0.0000	250.3970	250.3970	8.5300e-003	0.0000	250.6104

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3.7 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0375					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064
Total	0.0385	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064

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	1.2700e-003	9.2000e-004	0.0108	3.0000e-005	3.6800e-003	3.0000e-005	3.7000e-003	9.8000e-004	3.0000e-005	1.0000e-003	0.0000	3.0841	3.0841	8.0000e-005	0.0000	3.0860
Total	1.2700e-003	9.2000e-004	0.0108	3.0000e-005	3.6800e-003	3.0000e-005	3.7000e-003	9.8000e-004	3.0000e-005	1.0000e-003	0.0000	3.0841	3.0841	8.0000e-005	0.0000	3.0860

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3.7 Architectural Coating - 2023**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	0.0375					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064
Total	0.0385	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064

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	1.2700e-003	9.2000e-004	0.0108	3.0000e-005	2.8500e-003	3.0000e-005	2.8800e-003	7.7000e-004	3.0000e-005	8.0000e-004	0.0000	3.0841	3.0841	8.0000e-005	0.0000	3.0860
Total	1.2700e-003	9.2000e-004	0.0108	3.0000e-005	2.8500e-003	3.0000e-005	2.8800e-003	7.7000e-004	3.0000e-005	8.0000e-004	0.0000	3.0841	3.0841	8.0000e-005	0.0000	3.0860

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3.7 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8925					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.9162	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0199	0.2384	7.9000e-004	0.0876	6.7000e-004	0.0882	0.0233	6.2000e-004	0.0239	0.0000	71.1788	71.1788	1.7300e-003	0.0000	71.2222
Total	0.0287	0.0199	0.2384	7.9000e-004	0.0876	6.7000e-004	0.0882	0.0233	6.2000e-004	0.0239	0.0000	71.1788	71.1788	1.7300e-003	0.0000	71.2222

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3.7 Architectural Coating - 2024**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	0.8925					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.9162	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0199	0.2384	7.9000e-004	0.0678	6.7000e-004	0.0685	0.0184	6.2000e-004	0.0190	0.0000	71.1788	71.1788	1.7300e-003	0.0000	71.2222
Total	0.0287	0.0199	0.2384	7.9000e-004	0.0678	6.7000e-004	0.0685	0.0184	6.2000e-004	0.0190	0.0000	71.1788	71.1788	1.7300e-003	0.0000	71.2222

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3.7 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4190					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0705	0.1113	1.8000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	15.7025	15.7025	8.6000e-004	0.0000	15.7239
Total	0.4295	0.0705	0.1113	1.8000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	15.7025	15.7025	8.6000e-004	0.0000	15.7239

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.5700e-003	0.1039	3.6000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112	0.0000	32.1221	32.1221	7.4000e-004	0.0000	32.1407
Total	0.0128	8.5700e-003	0.1039	3.6000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112	0.0000	32.1221	32.1221	7.4000e-004	0.0000	32.1407

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3.7 Architectural Coating - 2025**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	0.4190					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0705	0.1113	1.8000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	15.7025	15.7025	8.6000e-004	0.0000	15.7239
Total	0.4295	0.0705	0.1113	1.8000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	15.7025	15.7025	8.6000e-004	0.0000	15.7239

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.5700e-003	0.1039	3.6000e-004	0.0318	3.1000e-004	0.0322	8.6400e-003	2.8000e-004	8.9300e-003	0.0000	32.1221	32.1221	7.4000e-004	0.0000	32.1407
Total	0.0128	8.5700e-003	0.1039	3.6000e-004	0.0318	3.1000e-004	0.0322	8.6400e-003	2.8000e-004	8.9300e-003	0.0000	32.1221	32.1221	7.4000e-004	0.0000	32.1407

4.0 Operational Detail - Mobile

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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	1.0096	4.8051	13.8472	0.0566	5.1112	0.0431	5.1543	1.3698	0.0401	1.4098	0.0000	5,242.6946	5,242.6946	0.2432	0.0000	5,248.7742
Unmitigated	1.0096	4.8051	13.8472	0.0566	5.1112	0.0431	5.1543	1.3698	0.0401	1.4098	0.0000	5,242.6946	5,242.6946	0.2432	0.0000	5,248.7742

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	840.06	840.06	840.06	2,870,613	2,870,613
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	2,444.79	2,444.79	2,444.79	8,354,219	8,354,219
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	656.97	656.97	656.97	2,244,966	2,244,966
Total	3,941.82	3,941.82	3,941.82	13,469,798	13,469,798

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Condo/Townhouse High Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Health Club	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Recreational Swimming Pool	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Single Family Housing	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	430.3221	430.3221	0.0243	5.0300e-003	432.4301
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	446.1429	446.1429	0.0252	5.2200e-003	448.3284
NaturalGas Mitigated	0.0219	0.1876	0.0822	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8260	216.8260	4.1600e-003	3.9800e-003	218.1145
NaturalGas Unmitigated	0.0321	0.2750	0.1210	1.7500e-003		0.0222	0.0222		0.0222	0.0222	0.0000	317.8500	317.8500	6.0900e-003	5.8300e-003	319.7388

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.0449e+006	5.6300e-003	0.0482	0.0205	3.1000e-004		3.8900e-003	3.8900e-003		3.8900e-003	3.8900e-003	0.0000	55.7599	55.7599	1.0700e-003	1.0200e-003	56.0913
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.04093e+006	0.0164	0.1401	0.0596	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	162.2756	162.2756	3.1100e-003	2.9800e-003	163.2400
Health Club	194503	1.0500e-003	9.5300e-003	8.0100e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.3794	10.3794	2.0000e-004	1.9000e-004	10.4411
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
Recreational Swimming Pool	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
Single Family Housing	1.67595e+006	9.0400e-003	0.0772	0.0329	4.9000e-004		6.2400e-003	6.2400e-003		6.2400e-003	6.2400e-003	0.0000	89.4351	89.4351	1.7100e-003	1.6400e-003	89.9665
Total		0.0321	0.2750	0.1210	1.7500e-003		0.0222	0.0222		0.0222	0.0222	0.0000	317.8500	317.8500	6.0900e-003	5.8300e-003	319.7388

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	755018	4.0700e-003	0.0348	0.0148	2.2000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	40.2906	40.2906	7.7000e-004	7.4000e-004	40.5301
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	2.1973e+006	0.0119	0.1013	0.0431	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003	0.0000	117.2561	117.2561	2.2500e-003	2.1500e-003	117.9529
Health Club	116761	6.3000e-004	5.7200e-003	4.8100e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.2308	6.2308	1.2000e-004	1.1000e-004	6.2678
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
Recreational Swimming Pool	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
Single Family Housing	994091	5.3600e-003	0.0458	0.0195	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	53.0485	53.0485	1.0200e-003	9.7000e-004	53.3637
Total		0.0219	0.1876	0.0822	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8260	216.8260	4.1600e-003	3.9700e-003	218.1145

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	315757	73.4745	4.1500e-003	8.6000e-004	73.8344
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	977877	227.5451	0.0129	2.6600e-003	228.6598
Health Club	119281	27.7558	1.5700e-003	3.2000e-004	27.8917
Parking Lot	3682.7	0.8569	5.0000e-005	1.0000e-005	0.8611
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	500706	116.5107	6.5900e-003	1.3600e-003	117.0814
Total		446.1429	0.0252	5.2100e-003	448.3284

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	305314	71.0443	4.0200e-003	8.3000e-004	71.3923
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	947483	220.4727	0.0125	2.5800e-003	221.5527
Health Club	106466	24.7739	1.4000e-003	2.9000e-004	24.8952
Parking Lot	3682.7	0.8569	5.0000e-005	1.0000e-005	0.8611
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	486368	113.1744	6.4000e-003	1.3200e-003	113.7288
Total		430.3222	0.0243	5.0300e-003	432.4301

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.7956	0.1117	3.8004	6.4000e-004		0.0265	0.0265		0.0265	0.0265	0.0000	85.2675	85.2675	7.4200e-003	1.4500e-003	85.8852
Unmitigated	2.9865	0.1384	6.0979	6.1300e-003		0.3704	0.3704		0.3704	0.3704	38.8762	80.8730	119.7492	0.1218	2.6400e-003	123.5815

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	0.1349					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5395					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1988	0.0949	2.3266	5.9400e-003		0.3495	0.3495		0.3495	0.3495	38.8762	74.7067	113.5828	0.1159	2.6400e-003	117.2676
Landscaping	0.1133	0.0434	3.7713	2.0000e-004		0.0209	0.0209		0.0209	0.0209	0.0000	6.1663	6.1663	5.9100e-003	0.0000	6.3140
Total	2.9865	0.1384	6.0979	6.1400e-003		0.3704	0.3704		0.3704	0.3704	38.8762	80.8730	119.7491	0.1219	2.6400e-003	123.5815

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6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1349					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5395					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.9900e-003	0.0683	0.0291	4.4000e-004		5.5200e-003	5.5200e-003		5.5200e-003	5.5200e-003	0.0000	79.1012	79.1012	1.5200e-003	1.4500e-003	79.5712
Landscaping	0.1133	0.0434	3.7713	2.0000e-004		0.0209	0.0209		0.0209	0.0209	0.0000	6.1663	6.1663	5.9100e-003	0.0000	6.3140
Total	1.7956	0.1117	3.8003	6.4000e-004		0.0264	0.0264		0.0264	0.0264	0.0000	85.2675	85.2675	7.4300e-003	1.4500e-003	85.8852

7.0 Water Detail**7.1 Mitigation Measures Water**

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	132.8039	0.8235	0.0207	159.5703
Unmitigated	132.8039	0.8235	0.0207	159.5703

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Annual

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.08201 / 3.20388	25.2930	0.1669	4.1900e-003	30.7141
City Park	0 / 3.15743	8.1626	4.6000e-004	1.0000e-004	8.2026
Condo/Townhouse High Rise	14.79 / 9.32411	73.6091	0.4858	0.0122	89.3860
Health Club	0.635789 / 0.389677	3.1355	0.0209	5.2000e-004	3.8136
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.572506 / 0.350891	2.8234	0.0188	4.7000e-004	3.4340
Single Family Housing	3.9744 / 2.5056	19.7804	0.1306	3.2700e-003	24.0200
Total		132.8039	0.8235	0.0207	159.5703

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.08201 / 3.20388	25.2930	0.1669	4.1900e-003	30.7141
City Park	0 / 3.15743	8.1626	4.6000e-004	1.0000e-004	8.2026
Condo/Townhouse High Rise	14.79 / 9.32411	73.6091	0.4858	0.0122	89.3860
Health Club	0.635789 / 0.389677	3.1355	0.0209	5.2000e-004	3.8136
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.572506 / 0.350891	2.8234	0.0188	4.7000e-004	3.4340
Single Family Housing	3.9744 / 2.5056	19.7804	0.1306	3.2700e-003	24.0200
Total		132.8039	0.8235	0.0207	159.5703

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.3230	1.9693	0.0000	82.5563
Unmitigated	66.6460	3.9387	0.0000	165.1126

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	35.88	7.2833	0.4304	0.0000	18.0441
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
Condo/Townhouse High Rise	104.42	21.1963	1.2527	0.0000	52.5130
Health Club	61.27	12.4373	0.7350	0.0000	30.8128
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	55.18	11.2010	0.6620	0.0000	27.7501
Single Family Housing	71.34	14.4814	0.8558	0.0000	35.8770
Total		66.6460	3.9387	0.0000	165.1126

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	17.94	3.6417	0.2152	0.0000	9.0221
City Park	0.115	0.0233	1.3800e-003	0.0000	0.0578
Condo/Townhouse High Rise	52.21	10.5982	0.6263	0.0000	26.2565
Health Club	30.635	6.2186	0.3675	0.0000	15.4064
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	27.59	5.6005	0.3310	0.0000	13.8751
Single Family Housing	35.67	7.2407	0.4279	0.0000	17.9385
Total		33.3230	1.9693	0.0000	82.5563

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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Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Annual

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

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

Bouquet Canyon Project_MHDT & Tier 4 Mitigation

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	10.52	1000sqft	0.24	10,522.00	0
City Park	2.65	Acre	2.65	115,434.00	0
Health Club	10.75	1000sqft	0.25	10,746.00	0
Recreational Swimming Pool	9.68	1000sqft	0.22	9,676.00	0
Apartments Mid Rise	78.00	Dwelling Unit	2.05	78,000.00	223
Condo/Townhouse High Rise	227.00	Dwelling Unit	3.55	227,000.00	649
Single Family Housing	61.00	Dwelling Unit	19.81	109,800.00	174

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	513	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

Project Characteristics - CO2 Intensity Factor Source: Southern California Edison, 2018 Sustainability Report, dated May 2019.

Land Use - Per project description.

Construction Phase - Based on applicant assumptions.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Anticipated trenching equipment.

Trips and VMT - Earthwork would be balanced on-site.

Grading -

Vehicle Trips - Per traffic study.

Energy Use -

Construction Off-road Equipment Mitigation - Per SCAQMD standards and regulations. Tier 4 engines per mitigation measure.

Energy Mitigation - % Improvement based on efficiency of 2019 Title 24 Standards compared to 2016 Title 24 Standards.

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	77.00
tblConstructionPhase	NumDays	45.00	187.00
tblConstructionPhase	NumDays	35.00	132.00
tblConstructionPhase	NumDays	440.00	792.00
tblConstructionPhase	NumDays	35.00	396.00
tblGrading	MaterialExported	0.00	2,069,664.00
tblGrading	MaterialImported	0.00	2,069,664.00
tblLandUse	LandUseSquareFeet	10,520.00	10,522.00
tblLandUse	LandUseSquareFeet	10,750.00	10,746.00

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

tblLandUse	LandUseSquareFeet	9,680.00	9,676.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblTripsAndVMT	HaulingTripLength	20.00	0.50
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblVehicleTrips	ST_TR	6.39	10.77
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	10.77
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	9.91	10.77
tblVehicleTrips	SU_TR	5.86	10.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	10.77
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	8.62	10.77
tblVehicleTrips	WD_TR	6.65	10.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	10.77
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	9.52	10.77

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

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					
2020	6.3691	85.9633	56.6410	0.0912	18.2675	2.2616	20.4666	9.9840	2.0837	12.0072	0.0000	8,990.3965	8,990.3965	2.1863	0.0000	9,045.0533
2021	5.8803	80.0321	53.1461	0.0910	12.4380	2.0009	14.4389	4.3334	1.8412	6.1746	0.0000	8,971.6406	8,971.6406	2.1650	0.0000	9,025.7652
2022	3.1026	22.2389	29.1359	0.0764	3.7902	0.8465	4.6366	1.0143	0.7960	1.8104	0.0000	7,600.0930	7,600.0930	0.8023	0.0000	7,620.1516
2023	10.0835	20.9779	31.8781	0.0841	4.4720	0.8066	5.2786	1.1952	0.7626	1.9578	0.0000	8,352.1492	8,352.1492	0.8115	0.0000	8,372.4369
2024	9.8941	19.8586	30.9141	0.0828	4.4720	0.7098	5.1818	1.1952	0.6707	1.8659	0.0000	8,226.4853	8,226.4853	0.7976	0.0000	8,246.4243
2025	9.7112	18.7060	29.9698	0.0813	4.4720	0.6139	5.0859	1.1952	0.5800	1.7752	0.0000	8,073.4713	8,073.4713	0.7844	0.0000	8,093.0822
Maximum	10.0835	85.9633	56.6410	0.0912	18.2675	2.2616	20.4666	9.9840	2.0837	12.0072	0.0000	8,990.3965	8,990.3965	2.1863	0.0000	9,045.0533

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

2.1 Overall Construction (Maximum Daily Emission)**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					
2020	2.6805	39.0658	57.6819	0.0912	6.8493	0.1892	6.9130	3.7215	0.1852	3.7852	0.0000	8,990.396 4	8,990.396 4	2.1863	0.0000	9,045.053 3
2021	2.4507	36.9323	55.2668	0.0910	5.1497	0.1171	5.2668	1.7687	0.1163	1.8850	0.0000	8,971.640 6	8,971.640 6	2.1650	0.0000	9,025.765 2
2022	1.9884	11.5011	29.8523	0.0764	2.9499	0.2164	3.1663	0.8081	0.2138	1.0219	0.0000	7,600.093 0	7,600.093 0	0.8023	0.0000	7,620.151 6
2023	9.0787	11.2583	32.7073	0.0841	3.4776	0.2672	3.7448	0.9511	0.2645	1.2156	0.0000	8,352.149 2	8,352.149 2	0.8115	0.0000	8,372.436 9
2024	8.9696	10.9091	31.8150	0.0828	3.4777	0.2392	3.7169	0.9511	0.2366	1.1877	0.0000	8,226.485 3	8,226.485 3	0.7976	0.0000	8,246.424 3
2025	8.8723	10.5814	30.9485	0.0813	3.4777	0.2137	3.6914	0.9511	0.2111	1.1622	0.0000	8,073.471 3	8,073.471 3	0.7844	0.0000	8,093.082 2
Maximum	9.0787	39.0658	57.6819	0.0912	6.8493	0.2672	6.9130	3.7215	0.2645	3.7852	0.0000	8,990.396 4	8,990.396 4	2.1863	0.0000	9,045.053 3

	ROG	NOx	CO	SO2	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	24.42	51.47	-2.84	0.00	47.02	82.83	51.90	51.62	81.77	59.92	0.00	0.00	0.00	0.00	0.00	0.00

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

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	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.292 1	6,642.377 5	10,070.66 96	10.2759	0.2327	10,396.90 86
Energy	0.1760	1.5070	0.6629	9.6000e- 003		0.1216	0.1216		0.1216	0.1216		1,919.833 8	1,919.833 8	0.0368	0.0352	1,931.242 4
Mobile	5.8590	25.3855	79.2433	0.3222	28.6363	0.2369	28.8732	7.6619	0.2201	7.8819		32,872.13 97	32,872.13 97	1.4826		32,909.20 52
Total	112.0209	34.8339	296.2064	0.8083	28.6363	28.4840	57.1203	7.6619	28.4672	36.1291	3,428.292 1	41,434.35 10	44,862.64 31	11.7953	0.2679	45,237.35 62

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	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.906 9	7,029.906 9	0.1858	0.1279	7,072.661 1
Energy	0.1201	1.0278	0.4504	6.5500e- 003		0.0829	0.0829		0.0829	0.0829		1,309.642 7	1,309.642 7	0.0251	0.0240	1,317.425 2
Mobile	5.8590	25.3855	79.2433	0.3222	28.6363	0.2369	28.8732	7.6619	0.2201	7.8819		32,872.13 97	32,872.13 97	1.4826		32,909.20 52
Total	16.6992	32.2249	112.1891	0.3653	28.6363	0.9290	29.5653	7.6619	0.9122	8.5741	0.0000	41,211.68 93	41,211.68 93	1.6935	0.1519	41,299.29 16

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	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	85.09	7.49	62.12	54.81	0.00	96.74	48.24	0.00	96.80	76.27	100.00	0.54	8.14	85.64	43.30	8.71

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 Preparation	Site Preparation	6/1/2020	9/15/2020	5	77	
2	Grading - Earthwork	Grading	9/16/2020	6/3/2021	5	187	
3	Trenching	Trenching	6/4/2021	12/6/2021	5	132	
4	Paving	Paving	12/7/2021	6/8/2022	5	132	
5	Building Construction	Building Construction	6/9/2022	6/20/2025	5	792	
6	Architectural Coating	Architectural Coating	12/15/2023	6/20/2025	5	396	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.24

Residential Indoor: 839,970; Residential Outdoor: 279,990; Non-Residential Indoor: 16,119; Non-Residential Outdoor: 5,373; Striped Parking Area: 631 (Architectural Coating – sqft)

OffRoad Equipment

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Earthwork	Excavators	2	8.00	158	0.38
Grading - Earthwork	Graders	1	8.00	187	0.41
Grading - Earthwork	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Earthwork	Scrapers	2	8.00	367	0.48
Grading - Earthwork	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Pavers	0		130	0.42
Trenching	Paving Equipment	0		132	0.36
Trenching	Rollers	0		80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Paving	Air Compressors	0		78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Grading - Earthwork	8	20.00	0.00	258,708.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	MHDT
Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Building Construction	9	303.00	63.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Architectural Coating	1	61.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.2 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.2 Site Preparation - 2020**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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	0.4656	2.0175	20.8690	0.0380	6.6936	0.0621	6.7556	3.6793	0.0621	3.7414	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0828	0.0589	0.7881	2.1300e-003	0.1557	1.6800e-003	0.1574	0.0422	1.5500e-003	0.0438		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.1557	1.6800e-003	0.1574	0.0422	1.5500e-003	0.0438		211.7003	211.7003	6.6700e-003		211.8672

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.3 Grading - Earthwork - 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					
Fugitive Dust					11.1766	0.0000	11.1766	3.9756	0.0000	3.9756			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.865 3	6,005.865 3	1.9424		6,054.425 7
Total	4.4501	50.1975	31.9583	0.0620	11.1766	2.1739	13.3505	3.9756	2.0000	5.9756		6,005.865 3	6,005.865 3	1.9424		6,054.425 7

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	1.8270	35.7003	23.8070	0.0269	1.3710	0.0858	1.4568	0.3803	0.0820	0.4623		2,749.308 6	2,749.308 6	0.2364		2,755.219 6
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	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	1.9190	35.7658	24.6827	0.0292	1.5946	0.0877	1.6822	0.4396	0.0837	0.5233		2,984.531 2	2,984.531 2	0.2439		2,990.627 6

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.3 Grading - Earthwork - 2020**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					4.1409	0.0000	4.1409	1.4730	0.0000	1.4730			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7
Total	0.7616	3.3000	32.9991	0.0620	4.1409	0.1015	4.2425	1.4730	0.1015	1.5745	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7

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	1.8270	35.7003	23.8070	0.0269	1.0823	0.0858	1.1681	0.3094	0.0820	0.3914		2,749.308 6	2,749.308 6	0.2364		2,755.219 6
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	0.0920	0.0655	0.8757	2.3600e-003	0.1730	1.8700e-003	0.1749	0.0469	1.7200e-003	0.0486		235.2226	235.2226	7.4200e-003		235.4080
Total	1.9190	35.7658	24.6827	0.0292	1.2553	0.0877	1.3430	0.3563	0.0837	0.4400		2,984.531 2	2,984.531 2	0.2439		2,990.627 6

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.3 Grading - Earthwork - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.1766	0.0000	11.1766	3.9756	0.0000	3.9756			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	11.1766	1.9853	13.1620	3.9756	1.8265	5.8021		6,007.043 4	6,007.043 4	1.9428		6,055.613 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6034	33.5733	21.4621	0.0267	1.0379	0.0138	1.0516	0.2985	0.0131	0.3116		2,736.843 2	2,736.843 2	0.2155		2,742.230 0
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	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
Total	1.6891	33.6323	22.2677	0.0290	1.2614	0.0156	1.2770	0.3578	0.0147	0.3725		2,964.597 2	2,964.597 2	0.2222		2,970.151 8

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.3 Grading - Earthwork - 2021**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					4.1409	0.0000	4.1409	1.4730	0.0000	1.4730			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	0.7616	3.3000	32.9991	0.0620	4.1409	0.1015	4.2425	1.4730	0.1015	1.5745	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6034	33.5733	21.4621	0.0267	0.8357	0.0138	0.8495	0.2489	0.0131	0.2620		2,736.843 2	2,736.843 2	0.2155		2,742.230 0
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	0.0857	0.0589	0.8056	2.2900e-003	0.1730	1.8100e-003	0.1748	0.0469	1.6600e-003	0.0486		227.7540	227.7540	6.7100e-003		227.9217
Total	1.6891	33.6323	22.2677	0.0290	1.0088	0.0156	1.0243	0.2958	0.0147	0.3105		2,964.597 2	2,964.597 2	0.2222		2,970.151 8

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.4 Trenching - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749		1,255.645 2	1,255.645 2	0.4061		1,265.797 7
Total	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749		1,255.645 2	1,255.645 2	0.4061		1,265.797 7

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	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
Total	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.4 Trenching - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1585	0.6868	9.7742	0.0130		0.0211	0.0211		0.0211	0.0211	0.0000	1,255.645 2	1,255.645 2	0.4061		1,265.797 7
Total	0.1585	0.6868	9.7742	0.0130		0.0211	0.0211		0.0211	0.0211	0.0000	1,255.645 2	1,255.645 2	0.4061		1,265.797 7

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	0.0429	0.0295	0.4028	1.1400e-003	0.0865	9.0000e-004	0.0874	0.0234	8.3000e-004	0.0243		113.8770	113.8770	3.3600e-003		113.9609
Total	0.0429	0.0295	0.4028	1.1400e-003	0.0865	9.0000e-004	0.0874	0.0234	8.3000e-004	0.0243		113.8770	113.8770	3.3600e-003		113.9609

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.5 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	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2603	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.5 Paving - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2852	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0643	0.0442	0.6042	1.7100e-003	0.1298	1.3500e-003	0.1311	0.0352	1.2500e-003	0.0364		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1298	1.3500e-003	0.1311	0.0352	1.2500e-003	0.0364		170.8155	170.8155	5.0300e-003		170.9413

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.5 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	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1076	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.5 Paving - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2852	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0602	0.0399	0.5574	1.6500e-003	0.1298	1.3100e-003	0.1311	0.0352	1.2100e-003	0.0364		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1298	1.3100e-003	0.1311	0.0352	1.2100e-003	0.0364		164.8069	164.8069	4.5500e-003		164.9206

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2022**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1797	5.8168	1.5129	0.0161	0.4033	0.0109	0.4143	0.1161	0.0105	0.1266		1,716.6611	1,716.6611	0.0985		1,719.1239
Worker	1.2166	0.8064	11.2596	0.0334	3.3868	0.0265	3.4133	0.8982	0.0244	0.9226		3,329.0983	3,329.0983	0.0919		3,331.3954
Total	1.3963	6.6232	12.7725	0.0495	3.7902	0.0374	3.8276	1.0143	0.0349	1.0492		5,045.7594	5,045.7594	0.1904		5,050.5194

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5920	4.8779	17.0798	0.0269		0.1789	0.1789		0.1789	0.1789	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.5920	4.8779	17.0798	0.0269		0.1789	0.1789		0.1789	0.1789	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1797	5.8168	1.5129	0.0161	0.3286	0.0109	0.3396	0.0978	0.0105	0.1083		1,716.6611	1,716.6611	0.0985		1,719.1239
Worker	1.2166	0.8064	11.2596	0.0334	2.6213	0.0265	2.6478	0.7103	0.0244	0.7347		3,329.0983	3,329.0983	0.0919		3,331.3954
Total	1.3963	6.6232	12.7725	0.0495	2.9499	0.0374	2.9874	0.8081	0.0349	0.8430		5,045.7594	5,045.7594	0.1904		5,050.5194

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2023**Unmitigated Construction On-Site**

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

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	0.1333	4.4136	1.3664	0.0155	0.4034	5.1000e-003	0.4085	0.1161	4.8700e-003	0.1210		1,662.6168	1,662.6168	0.0873		1,664.7993
Worker	1.1425	0.7296	10.3691	0.0322	3.3868	0.0258	3.4126	0.8982	0.0237	0.9219		3,207.2004	3,207.2004	0.0829		3,209.2716
Total	1.2758	5.1432	11.7354	0.0477	3.7902	0.0309	3.8210	1.0143	0.0286	1.0429		4,869.8172	4,869.8172	0.1702		4,874.0708

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5679	4.6652	17.0733	0.0269		0.1603	0.1603		0.1603	0.1603	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.5679	4.6652	17.0733	0.0269		0.1603	0.1603		0.1603	0.1603	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1333	4.4136	1.3664	0.0155	0.3286	5.1000e-003	0.3337	0.0978	4.8700e-003	0.1027		1,662.6168	1,662.6168	0.0873		1,664.7993
Worker	1.1425	0.7296	10.3691	0.0322	2.6213	0.0258	2.6470	0.7103	0.0237	0.7340		3,207.2004	3,207.2004	0.0829		3,209.2716
Total	1.2758	5.1432	11.7354	0.0477	2.9499	0.0309	2.9808	0.8081	0.0286	0.8367		4,869.8172	4,869.8172	0.1702		4,874.0708

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2024**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1301	4.3967	1.3248	0.0154	0.4034	5.0300e-003	0.4084	0.1161	4.8100e-003	0.1210		1,655.8695	1,655.8695	0.0861		1,658.0209
Worker	1.0808	0.6654	9.6664	0.0312	3.3868	0.0254	3.4122	0.8982	0.0234	0.9216		3,107.8051	3,107.8051	0.0760		3,109.7053
Total	1.2109	5.0621	10.9911	0.0466	3.7902	0.0304	3.8206	1.0143	0.0282	1.0425		4,763.6747	4,763.6747	0.1621		4,767.7261

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5471	4.4942	17.0678	0.0270		0.1428	0.1428		0.1428	0.1428	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.5471	4.4942	17.0678	0.0270		0.1428	0.1428		0.1428	0.1428	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1301	4.3967	1.3248	0.0154	0.3287	5.0300e-003	0.3337	0.0978	4.8100e-003	0.1026		1,655.8695	1,655.8695	0.0861		1,658.0209
Worker	1.0808	0.6654	9.6664	0.0312	2.6213	0.0254	2.6467	0.7103	0.0234	0.7337		3,107.8051	3,107.8051	0.0760		3,109.7053
Total	1.2109	5.0621	10.9911	0.0466	2.9499	0.0304	2.9804	0.8081	0.0282	0.8363		4,763.6747	4,763.6747	0.1621		4,767.7261

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.1269	4.3594	1.2907	0.0154	0.4034	4.9600e-003	0.4083	0.1161	4.7400e-003	0.1209		1,646.745 6	1,646.745 6	0.0849		1,648.866 7
Worker	1.0262	0.6088	8.9779	0.0300	3.3868	0.0249	3.4117	0.8982	0.0229	0.9211		2,987.383 0	2,987.383 0	0.0693		2,989.1163
Total	1.1531	4.9682	10.2686	0.0453	3.7902	0.0298	3.8200	1.0143	0.0276	1.0420		4,634.128 5	4,634.128 5	0.1542		4,637.983 0

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5285	4.3451	17.0634	0.0270		0.1274	0.1274		0.1274	0.1274	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.5285	4.3451	17.0634	0.0270		0.1274	0.1274		0.1274	0.1274	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1269	4.3594	1.2907	0.0154	0.3287	4.9600e-003	0.3336	0.0978	4.7400e-003	0.1025		1,646.745 6	1,646.745 6	0.0849		1,648.866 7
Worker	1.0262	0.6088	8.9779	0.0300	2.6213	0.0249	2.6461	0.7103	0.0229	0.7332		2,987.383 0	2,987.383 0	0.0693		2,989.1163
Total	1.1531	4.9682	10.2686	0.0453	2.9499	0.0298	2.9798	0.8081	0.0276	0.8357		4,634.128 5	4,634.128 5	0.1542		4,637.983 0

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	7.0049	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.2300	0.1469	2.0875	6.4800e-003	0.6818	5.1900e-003	0.6870	0.1808	4.7700e-003	0.1856		645.6740	645.6740	0.0167		646.0910
Total	0.2300	0.1469	2.0875	6.4800e-003	0.6818	5.1900e-003	0.6870	0.1808	4.7700e-003	0.1856		645.6740	645.6740	0.0167		646.0910

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2023**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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	7.0049	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.2300	0.1469	2.0875	6.4800e-003	0.5277	5.1900e-003	0.5329	0.1430	4.7700e-003	0.1478		645.6740	645.6740	0.0167		646.0910
Total	0.2300	0.1469	2.0875	6.4800e-003	0.5277	5.1900e-003	0.5329	0.1430	4.7700e-003	0.1478		645.6740	645.6740	0.0167		646.0910

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	6.9940	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.2176	0.1340	1.9460	6.2800e-003	0.6818	5.1100e-003	0.6870	0.1808	4.7100e-003	0.1855		625.6637	625.6637	0.0153		626.0463
Total	0.2176	0.1340	1.9460	6.2800e-003	0.6818	5.1100e-003	0.6870	0.1808	4.7100e-003	0.1855		625.6637	625.6637	0.0153		626.0463

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2024**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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	6.9940	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.2176	0.1340	1.9460	6.2800e-003	0.5277	5.1100e-003	0.5328	0.1430	4.7100e-003	0.1477		625.6637	625.6637	0.0153		626.0463
Total	0.2176	0.1340	1.9460	6.2800e-003	0.5277	5.1100e-003	0.5328	0.1430	4.7100e-003	0.1477		625.6637	625.6637	0.0153		626.0463

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.9841	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.2066	0.1226	1.8074	6.0300e-003	0.6818	5.0000e-003	0.6868	0.1808	4.6100e-003	0.1854		601.4203	601.4203	0.0140		601.7693
Total	0.2066	0.1226	1.8074	6.0300e-003	0.6818	5.0000e-003	0.6868	0.1808	4.6100e-003	0.1854		601.4203	601.4203	0.0140		601.7693

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2025**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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.9841	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.2066	0.1226	1.8074	6.0300e-003	0.5277	5.0000e-003	0.5327	0.1430	4.6100e-003	0.1476		601.4203	601.4203	0.0140		601.7693
Total	0.2066	0.1226	1.8074	6.0300e-003	0.5277	5.0000e-003	0.5327	0.1430	4.6100e-003	0.1476		601.4203	601.4203	0.0140		601.7693

4.0 Operational Detail - Mobile

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

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	5.8590	25.3855	79.2433	0.3222	28.6363	0.2369	28.8732	7.6619	0.2201	7.8819		32,872.13 97	32,872.13 97	1.4826		32,909.20 52
Unmitigated	5.8590	25.3855	79.2433	0.3222	28.6363	0.2369	28.8732	7.6619	0.2201	7.8819		32,872.13 97	32,872.13 97	1.4826		32,909.20 52

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	840.06	840.06	840.06	2,870,613	2,870,613
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	2,444.79	2,444.79	2,444.79	8,354,219	8,354,219
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	656.97	656.97	656.97	2,244,966	2,244,966
Total	3,941.82	3,941.82	3,941.82	13,469,798	13,469,798

4.3 Trip Type Information

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Condo/Townhouse High Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Health Club	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Recreational Swimming Pool	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Single Family Housing	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1201	1.0278	0.4504	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6427	1,309.6427	0.0251	0.0240	1,317.4252
NaturalGas Unmitigated	0.1760	1.5070	0.6629	9.6000e-003		0.1216	0.1216		0.1216	0.1216		1,919.8338	1,919.8338	0.0368	0.0352	1,931.2424

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2862.74	0.0309	0.2638	0.1123	1.6800e-003		0.0213	0.0213		0.0213	0.0213		336.7933	336.7933	6.4600e-003	6.1700e-003	338.7947
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	8331.32	0.0899	0.7678	0.3267	4.9000e-003		0.0621	0.0621		0.0621	0.0621		980.1549	980.1549	0.0188	0.0180	985.9795
Health Club	532.884	5.7500e-003	0.0522	0.0439	3.1000e-004		3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003		62.6922	62.6922	1.2000e-003	1.1500e-003	63.0648
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
Recreational Swimming Pool	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
Single Family Housing	4591.64	0.0495	0.4232	0.1801	2.7000e-003		0.0342	0.0342		0.0342	0.0342		540.1934	540.1934	0.0104	9.9000e-003	543.4035
Total		0.1760	1.5070	0.6629	9.5900e-003		0.1216	0.1216		0.1216	0.1216		1,919.8338	1,919.8338	0.0368	0.0352	1,931.2424

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Apartments Mid Rise	2.06854	0.0223	0.1906	0.0811	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.3580	243.3580	4.6600e-003	4.4600e-003	244.8041
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	6.01999	0.0649	0.5548	0.2361	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.2341	708.2341	0.0136	0.0130	712.4428
Health Club	0.319892	3.4500e-003	0.0314	0.0263	1.9000e-004		2.3800e-003	2.3800e-003		2.3800e-003	2.3800e-003		37.6344	37.6344	7.2000e-004	6.9000e-004	37.8580
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
Recreational Swimming Pool	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
Single Family Housing	2.72354	0.0294	0.2510	0.1068	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.4162	320.4162	6.1400e-003	5.8700e-003	322.3203
Total		0.1201	1.0278	0.4504	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6427	1,309.6427	0.0251	0.0240	1,317.4252

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.9069	7,029.9069	0.1858	0.1279	7,072.6611
Unmitigated	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.2921	6,642.3775	10,070.6696	10.2759	0.2327	10,396.9086

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	0.7392					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	95.9052	7.5939	186.1300	0.4748		27.9581	27.9581		27.9581	27.9581	3,428.2921	6,588.0000	10,016.2921	10.2238	0.2327	10,341.2289
Landscaping	0.9061	0.3475	30.1703	1.5900e-003		0.1674	0.1674		0.1674	0.1674		54.3775	54.3775	0.0521		55.6796
Total	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.2921	6,642.3775	10,070.6696	10.2759	0.2327	10,396.9086

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Architectural Coating	0.7392					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6394	5.4642	2.3252	0.0349		0.4418	0.4418		0.4418	0.4418	0.0000	6,975.529 4	6,975.529 4	0.1337	0.1279	7,016.981 5
Landscaping	0.9061	0.3475	30.1703	1.5900e-003		0.1674	0.1674		0.1674	0.1674		54.3775	54.3775	0.0521		55.6796
Total	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.906 9	7,029.906 9	0.1858	0.1279	7,072.661 1

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Summer

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

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

Bouquet Canyon Project_MHDT & Tier 4 Mitigation

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	10.52	1000sqft	0.24	10,522.00	0
City Park	2.65	Acre	2.65	115,434.00	0
Health Club	10.75	1000sqft	0.25	10,746.00	0
Recreational Swimming Pool	9.68	1000sqft	0.22	9,676.00	0
Apartments Mid Rise	78.00	Dwelling Unit	2.05	78,000.00	223
Condo/Townhouse High Rise	227.00	Dwelling Unit	3.55	227,000.00	649
Single Family Housing	61.00	Dwelling Unit	19.81	109,800.00	174

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	513	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

Project Characteristics - CO2 Intensity Factor Source: Southern California Edison, 2018 Sustainability Report, dated May 2019.

Land Use - Per project description.

Construction Phase - Based on applicant assumptions.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Anticipated trenching equipment.

Trips and VMT - Earthwork would be balanced on-site.

Grading -

Vehicle Trips - Per traffic study.

Energy Use -

Construction Off-road Equipment Mitigation - Per SCAQMD standards and regulations. Tier 4 engines per mitigation measure.

Energy Mitigation - % Improvement based on efficiency of 2019 Title 24 Standards compared to 2016 Title 24 Standards.

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	35.00	396.00
tblConstructionPhase	NumDays	440.00	792.00
tblConstructionPhase	NumDays	45.00	187.00
tblConstructionPhase	NumDays	35.00	132.00
tblConstructionPhase	NumDays	20.00	77.00
tblGrading	MaterialExported	0.00	2,069,664.00
tblGrading	MaterialImported	0.00	2,069,664.00
tblLandUse	LandUseSquareFeet	10,520.00	10,522.00
tblLandUse	LandUseSquareFeet	10,750.00	10,746.00

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

tblLandUse	LandUseSquareFeet	9,680.00	9,676.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblTripsAndVMT	HaulingTripLength	20.00	0.50
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblTripsAndVMT	HaulingVehicleClass	HHDT	MHDT
tblVehicleTrips	ST_TR	6.39	10.77
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	10.77
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	9.91	10.77
tblVehicleTrips	SU_TR	5.86	10.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	10.77
tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	8.62	10.77
tblVehicleTrips	WD_TR	6.65	10.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	10.77
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	9.52	10.77

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

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					
2020	6.4724	86.0918	58.8088	0.0906	18.2675	2.2641	20.4666	9.9840	2.0861	12.0072	0.0000	8,919.450 2	8,919.450 2	2.2016	0.0000	8,974.490 5
2021	5.9738	80.1712	55.0865	0.0904	12.4380	2.0012	14.4393	4.3334	1.8416	6.1749	0.0000	8,902.024 7	8,902.024 7	2.1795	0.0000	8,956.5117
2022	3.2519	22.3091	28.3148	0.0740	3.7902	0.8468	4.6370	1.0143	0.7964	1.8107	0.0000	7,358.391 8	7,358.391 8	0.8032	0.0000	7,378.471 1
2023	10.2537	21.0511	30.8913	0.0814	4.4720	0.8069	5.2789	1.1952	0.7629	1.9580	0.0000	8,082.1911	8,082.1911	0.8104	0.0000	8,102.451 3
2024	10.0597	19.9244	29.9845	0.0802	4.4720	0.7100	5.1820	1.1952	0.6709	1.8661	0.0000	7,963.869 8	7,963.869 8	0.7967	0.0000	7,983.787 5
2025	9.8729	18.7646	29.1025	0.0788	4.4720	0.6141	5.0861	1.1952	0.5802	1.7754	0.0000	7,819.917 5	7,819.917 5	0.7839	0.0000	7,839.514 2
Maximum	10.2537	86.0918	58.8088	0.0906	18.2675	2.2641	20.4666	9.9840	2.0861	12.0072	0.0000	8,919.450 2	8,919.450 2	2.2016	0.0000	8,974.490 5

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

2.1 Overall Construction (Maximum Daily Emission)**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					
2020	2.7838	39.1943	59.8497	0.0906	6.8493	0.1918	6.9130	3.7215	0.1877	3.7852	0.0000	8,919.450 2	8,919.450 2	2.2016	0.0000	8,974.490 5
2021	2.5442	37.0714	57.2072	0.0904	5.1497	0.1175	5.2671	1.7687	0.1166	1.8853	0.0000	8,902.024 7	8,902.024 7	2.1795	0.0000	8,956.511 7
2022	2.1377	11.5714	29.0312	0.0740	2.9499	0.2167	3.1666	0.8081	0.2141	1.0222	0.0000	7,358.391 8	7,358.391 8	0.8032	0.0000	7,378.4711
2023	9.2488	11.3315	31.7205	0.0814	3.4776	0.2674	3.7451	0.9511	0.2647	1.2158	0.0000	8,082.1911	8,082.1911	0.8104	0.0000	8,102.451 3
2024	9.1352	10.9749	30.8854	0.0802	3.4777	0.2394	3.7171	0.9511	0.2368	1.1879	0.0000	7,963.869 8	7,963.869 8	0.7967	0.0000	7,983.787 5
2025	9.0340	10.6400	30.0812	0.0788	3.4777	0.2139	3.6916	0.9511	0.2113	1.1624	0.0000	7,819.917 5	7,819.917 5	0.7839	0.0000	7,839.514 2
Maximum	9.2488	39.1943	59.8497	0.0906	6.8493	0.2674	6.9130	3.7215	0.2647	3.7852	0.0000	8,919.450 2	8,919.450 2	2.2016	0.0000	8,974.490 5

	ROG	NOx	CO	SO2	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	23.97	51.36	-2.84	0.00	47.02	82.79	51.90	51.62	81.73	59.91	0.00	0.00	0.00	0.00	0.00	0.00

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

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	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.2921	6,642.3775	10,070.6696	10.2759	0.2327	10,396.9086
Energy	0.1760	1.5070	0.6629	9.6000e-003		0.1216	0.1216		0.1216	0.1216		1,919.8338	1,919.8338	0.0368	0.0352	1,931.2424
Mobile	5.6748	25.9595	74.9361	0.3068	28.6363	0.2378	28.8740	7.6619	0.2209	7.8828		31,319.3167	31,319.3167	1.4785		31,356.2795
Total	111.8367	35.4079	291.8993	0.7929	28.6363	28.4849	57.1211	7.6619	28.4680	36.1299	3,428.2921	39,881.5280	43,309.8201	11.7912	0.2679	43,684.4305

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	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.9069	7,029.9069	0.1858	0.1279	7,072.6611
Energy	0.1201	1.0278	0.4504	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6427	1,309.6427	0.0251	0.0240	1,317.4252
Mobile	5.6748	25.9595	74.9361	0.3068	28.6363	0.2378	28.8740	7.6619	0.2209	7.8828		31,319.3167	31,319.3167	1.4785		31,356.2795
Total	16.5150	32.7990	107.8819	0.3499	28.6363	0.9299	29.5662	7.6619	0.9130	8.5749	0.0000	39,658.8663	39,658.8663	1.6894	0.1519	39,746.3659

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	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	85.23	7.37	63.04	55.87	0.00	96.74	48.24	0.00	96.79	76.27	100.00	0.56	8.43	85.67	43.30	9.01

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 Preparation	Site Preparation	6/1/2020	9/15/2020	5	77	
2	Grading - Earthwork	Grading	9/16/2020	6/3/2021	5	187	
3	Trenching	Trenching	6/4/2021	12/6/2021	5	132	
4	Paving	Paving	12/7/2021	6/8/2022	5	132	
5	Building Construction	Building Construction	6/9/2022	6/20/2025	5	792	
6	Architectural Coating	Architectural Coating	12/15/2023	6/20/2025	5	396	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.24

Residential Indoor: 839,970; Residential Outdoor: 279,990; Non-Residential Indoor: 16,119; Non-Residential Outdoor: 5,373; Striped Parking Area: 631 (Architectural Coating – sqft)

OffRoad Equipment

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Earthwork	Excavators	2	8.00	158	0.38
Grading - Earthwork	Graders	1	8.00	187	0.41
Grading - Earthwork	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Earthwork	Scrapers	2	8.00	367	0.48
Grading - Earthwork	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Pavers	0		130	0.42
Trenching	Paving Equipment	0		132	0.36
Trenching	Rollers	0		80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Paving	Air Compressors	0		78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Grading - Earthwork	8	20.00	0.00	258,708.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	MHDT
Trenching	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Building Construction	9	303.00	63.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT
Architectural Coating	1	61.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	MHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.2 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.2 Site Preparation - 2020**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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	0.4656	2.0175	20.8690	0.0380	6.6936	0.0621	6.7556	3.6793	0.0621	3.7414	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

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	0.0920	0.0652	0.7218	2.0000e-003	0.1557	1.6800e-003	0.1574	0.0422	1.5500e-003	0.0438		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.1557	1.6800e-003	0.1574	0.0422	1.5500e-003	0.0438		199.3357	199.3357	6.2800e-003		199.4927

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.3 Grading - Earthwork - 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					
Fugitive Dust					11.1766	0.0000	11.1766	3.9756	0.0000	3.9756			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.865 3	6,005.865 3	1.9424		6,054.425 7
Total	4.4501	50.1975	31.9583	0.0620	11.1766	2.1739	13.3505	3.9756	2.0000	5.9756		6,005.865 3	6,005.865 3	1.9424		6,054.425 7

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	1.9201	35.8218	26.0485	0.0264	1.3710	0.0884	1.4594	0.3803	0.0844	0.4647		2,692.100 9	2,692.100 9	0.2522		2,698.406 2
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	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	2.0223	35.8943	26.8506	0.0286	1.5946	0.0902	1.6848	0.4396	0.0861	0.5257		2,913.585 0	2,913.585 0	0.2592		2,920.064 8

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.3 Grading - Earthwork - 2020**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					4.1409	0.0000	4.1409	1.4730	0.0000	1.4730			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7
Total	0.7616	3.3000	32.9991	0.0620	4.1409	0.1015	4.2425	1.4730	0.1015	1.5745	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7

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	1.9201	35.8218	26.0485	0.0264	1.0823	0.0884	1.1706	0.3094	0.0844	0.3939		2,692.100 9	2,692.100 9	0.2522		2,698.406 2
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	0.1022	0.0725	0.8020	2.2200e-003	0.1730	1.8700e-003	0.1749	0.0469	1.7200e-003	0.0486		221.4841	221.4841	6.9800e-003		221.6586
Total	2.0223	35.8943	26.8506	0.0286	1.2553	0.0902	1.3455	0.3563	0.0861	0.4425		2,913.585 0	2,913.585 0	0.2592		2,920.064 8

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.3 Grading - Earthwork - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.1766	0.0000	11.1766	3.9756	0.0000	3.9756			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	11.1766	1.9853	13.1620	3.9756	1.8265	5.8021		6,007.043 4	6,007.043 4	1.9428		6,055.613 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6873	33.7061	23.4716	0.0262	1.0379	0.0141	1.0520	0.2985	0.0134	0.3119		2,680.531 0	2,680.531 0	0.2304		2,686.290 3
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	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
Total	1.7826	33.7713	24.2081	0.0284	1.2614	0.0159	1.2773	0.3578	0.0150	0.3729		2,894.981 2	2,894.981 2	0.2367		2,900.898 2

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.3 Grading - Earthwork - 2021**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					4.1409	0.0000	4.1409	1.4730	0.0000	1.4730			0.0000			0.0000
Off-Road	0.7616	3.3000	32.9991	0.0620		0.1015	0.1015		0.1015	0.1015	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	0.7616	3.3000	32.9991	0.0620	4.1409	0.1015	4.2425	1.4730	0.1015	1.5745	0.0000	6,007.043 4	6,007.043 4	1.9428		6,055.613 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.6873	33.7061	23.4716	0.0262	0.8357	0.0141	0.8498	0.2489	0.0134	0.2623		2,680.531 0	2,680.531 0	0.2304		2,686.290 3
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	0.0954	0.0652	0.7365	2.1500e-003	0.1730	1.8100e-003	0.1748	0.0469	1.6600e-003	0.0486		214.4502	214.4502	6.3100e-003		214.6080
Total	1.7826	33.7713	24.2081	0.0284	1.0088	0.0159	1.0247	0.2958	0.0150	0.3108		2,894.981 2	2,894.981 2	0.2367		2,900.898 2

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.4 Trenching - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749		1,255.645 2	1,255.645 2	0.4061		1,265.797 7
Total	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749		1,255.645 2	1,255.645 2	0.4061		1,265.797 7

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	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
Total	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.4 Trenching - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1585	0.6868	9.7742	0.0130		0.0211	0.0211		0.0211	0.0211	0.0000	1,255.645 2	1,255.645 2	0.4061		1,265.797 7
Total	0.1585	0.6868	9.7742	0.0130		0.0211	0.0211		0.0211	0.0211	0.0000	1,255.645 2	1,255.645 2	0.4061		1,265.797 7

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	0.0477	0.0326	0.3683	1.0800e-003	0.0865	9.0000e-004	0.0874	0.0234	8.3000e-004	0.0243		107.2251	107.2251	3.1600e-003		107.3040
Total	0.0477	0.0326	0.3683	1.0800e-003	0.0865	9.0000e-004	0.0874	0.0234	8.3000e-004	0.0243		107.2251	107.2251	3.1600e-003		107.3040

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.5 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	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2603	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.5 Paving - 2021**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2852	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

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	0.0715	0.0489	0.5524	1.6100e-003	0.1298	1.3500e-003	0.1311	0.0352	1.2500e-003	0.0364		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1298	1.3500e-003	0.1311	0.0352	1.2500e-003	0.0364		160.8377	160.8377	4.7300e-003		160.9560

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.5 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	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1076	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.5 Paving - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.2852	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.0672	0.0442	0.5088	1.5600e-003	0.1298	1.3100e-003	0.1311	0.0352	1.2100e-003	0.0364		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1298	1.3100e-003	0.1311	0.0352	1.2100e-003	0.0364		155.1854	155.1854	4.2700e-003		155.2922

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2022**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1887	5.8010	1.6744	0.0156	0.4033	0.0113	0.4146	0.1161	0.0108	0.1269		1,669.3128	1,669.3128	0.1049		1,671.9356
Worker	1.3570	0.8925	10.2770	0.0315	3.3868	0.0265	3.4133	0.8982	0.0244	0.9226		3,134.7455	3,134.7455	0.0863		3,136.9033
Total	1.5457	6.6935	11.9514	0.0471	3.7902	0.0378	3.8280	1.0143	0.0352	1.0496		4,804.0582	4,804.0582	0.1912		4,808.8389

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5920	4.8779	17.0798	0.0269		0.1789	0.1789		0.1789	0.1789	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	0.5920	4.8779	17.0798	0.0269		0.1789	0.1789		0.1789	0.1789	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1887	5.8010	1.6744	0.0156	0.3286	0.0113	0.3399	0.0978	0.0108	0.1086		1,669.3128	1,669.3128	0.1049		1,671.9356
Worker	1.3570	0.8925	10.2770	0.0315	2.6213	0.0265	2.6478	0.7103	0.0244	0.7347		3,134.7455	3,134.7455	0.0863		3,136.9033
Total	1.5457	6.6935	11.9514	0.0471	2.9499	0.0378	2.9877	0.8081	0.0352	0.8433		4,804.0582	4,804.0582	0.1912		4,808.8389

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2023**Unmitigated Construction On-Site**

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

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	0.1402	4.3935	1.4878	0.0151	0.4034	5.3600e-003	0.4087	0.1161	5.1200e-003	0.1213		1,617.4703	1,617.4703	0.0924		1,619.7792
Worker	1.2784	0.8072	9.4465	0.0303	3.3868	0.0258	3.4126	0.8982	0.0237	0.9219		3,020.0633	3,020.0633	0.0777		3,022.0064
Total	1.4186	5.2007	10.9344	0.0454	3.7902	0.0311	3.8213	1.0143	0.0288	1.0432		4,637.5336	4,637.5336	0.1701		4,641.7855

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2023**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5679	4.6652	17.0733	0.0269		0.1603	0.1603		0.1603	0.1603	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	0.5679	4.6652	17.0733	0.0269		0.1603	0.1603		0.1603	0.1603	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1

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	0.1402	4.3935	1.4878	0.0151	0.3286	5.3600e-003	0.3340	0.0978	5.1200e-003	0.1029		1,617.470 3	1,617.470 3	0.0924		1,619.779 2
Worker	1.2784	0.8072	9.4465	0.0303	2.6213	0.0258	2.6470	0.7103	0.0237	0.7340		3,020.063 3	3,020.063 3	0.0777		3,022.006 4
Total	1.4186	5.2007	10.9344	0.0454	2.9499	0.0311	2.9810	0.8081	0.0288	0.8369		4,637.533 6	4,637.533 6	0.1701		4,641.785 5

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2024**Unmitigated Construction On-Site**

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1368	4.3778	1.4427	0.0150	0.4034	5.2700e-003	0.4086	0.1161	5.0400e-003	0.1212		1,611.1971	1,611.1971	0.0910		1,613.4710
Worker	1.2131	0.7359	8.7944	0.0294	3.3868	0.0254	3.4122	0.8982	0.0234	0.9216		2,926.3854	2,926.3854	0.0712		2,928.1658
Total	1.3499	5.1137	10.2371	0.0444	3.7902	0.0307	3.8208	1.0143	0.0284	1.0427		4,537.5825	4,537.5825	0.1622		4,541.6368

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2024**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5471	4.4942	17.0678	0.0270		0.1428	0.1428		0.1428	0.1428	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	0.5471	4.4942	17.0678	0.0270		0.1428	0.1428		0.1428	0.1428	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1368	4.3778	1.4427	0.0150	0.3287	5.2700e-003	0.3339	0.0978	5.0400e-003	0.1028		1,611.1971	1,611.1971	0.0910		1,613.4710
Worker	1.2131	0.7359	8.7944	0.0294	2.6213	0.0254	2.6467	0.7103	0.0234	0.7337		2,926.3854	2,926.3854	0.0712		2,928.1658
Total	1.3499	5.1137	10.2371	0.0444	2.9499	0.0307	2.9806	0.8081	0.0284	0.8365		4,537.5825	4,537.5825	0.1622		4,541.6368

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 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	0.1333	4.3407	1.4059	0.0149	0.4034	5.1700e-003	0.4085	0.1161	4.9400e-003	0.1211		1,602.557 8	1,602.557 8	0.0896		1,604.797 5
Worker	1.1555	0.6732	8.1601	0.0282	3.3868	0.0249	3.4117	0.8982	0.0229	0.9211		2,813.103 0	2,813.103 0	0.0649		2,814.725 7
Total	1.2888	5.0139	9.5659	0.0432	3.7902	0.0300	3.8202	1.0143	0.0278	1.0422		4,415.660 8	4,415.660 8	0.1545		4,419.523 3

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2025**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5285	4.3451	17.0634	0.0270		0.1274	0.1274		0.1274	0.1274	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.5285	4.3451	17.0634	0.0270		0.1274	0.1274		0.1274	0.1274	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.1333	4.3407	1.4059	0.0149	0.3287	5.1700e-003	0.3338	0.0978	4.9400e-003	0.1027		1,602.557 8	1,602.557 8	0.0896		1,604.797 5
Worker	1.1555	0.6732	8.1601	0.0282	2.6213	0.0249	2.6461	0.7103	0.0229	0.7332		2,813.103 0	2,813.103 0	0.0649		2,814.725 7
Total	1.2888	5.0139	9.5659	0.0432	2.9499	0.0300	2.9800	0.8081	0.0278	0.8359		4,415.660 8	4,415.660 8	0.1545		4,419.523 3

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	7.0049	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.2574	0.1625	1.9018	6.1000e-003	0.6818	5.1900e-003	0.6870	0.1808	4.7700e-003	0.1856		607.9996	607.9996	0.0157		608.3907
Total	0.2574	0.1625	1.9018	6.1000e-003	0.6818	5.1900e-003	0.6870	0.1808	4.7700e-003	0.1856		607.9996	607.9996	0.0157		608.3907

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2023**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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	7.0049	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.2574	0.1625	1.9018	6.1000e-003	0.5277	5.1900e-003	0.5329	0.1430	4.7700e-003	0.1478		607.9996	607.9996	0.0157		608.3907
Total	0.2574	0.1625	1.9018	6.1000e-003	0.5277	5.1900e-003	0.5329	0.1430	4.7700e-003	0.1478		607.9996	607.9996	0.0157		608.3907

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	6.9940	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.2442	0.1482	1.7705	5.9100e-003	0.6818	5.1100e-003	0.6870	0.1808	4.7100e-003	0.1855		589.1403	589.1403	0.0143		589.4987
Total	0.2442	0.1482	1.7705	5.9100e-003	0.6818	5.1100e-003	0.6870	0.1808	4.7100e-003	0.1855		589.1403	589.1403	0.0143		589.4987

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2024**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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	6.9940	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	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	0.2442	0.1482	1.7705	5.9100e-003	0.5277	5.1100e-003	0.5328	0.1430	4.7100e-003	0.1477		589.1403	589.1403	0.0143		589.4987
Total	0.2442	0.1482	1.7705	5.9100e-003	0.5277	5.1100e-003	0.5328	0.1430	4.7100e-003	0.1477		589.1403	589.1403	0.0143		589.4987

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.9841	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.2326	0.1355	1.6428	5.6800e-003	0.6818	5.0000e-003	0.6868	0.1808	4.6100e-003	0.1854		566.3343	566.3343	0.0131		566.6610
Total	0.2326	0.1355	1.6428	5.6800e-003	0.6818	5.0000e-003	0.6868	0.1808	4.6100e-003	0.1854		566.3343	566.3343	0.0131		566.6610

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2025**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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.9841	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.2326	0.1355	1.6428	5.6800e-003	0.5277	5.0000e-003	0.5327	0.1430	4.6100e-003	0.1476		566.3343	566.3343	0.0131		566.6610
Total	0.2326	0.1355	1.6428	5.6800e-003	0.5277	5.0000e-003	0.5327	0.1430	4.6100e-003	0.1476		566.3343	566.3343	0.0131		566.6610

4.0 Operational Detail - Mobile

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

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	5.6748	25.9595	74.9361	0.3068	28.6363	0.2378	28.8740	7.6619	0.2209	7.8828		31,319.3167	31,319.3167	1.4785		31,356.2795
Unmitigated	5.6748	25.9595	74.9361	0.3068	28.6363	0.2378	28.8740	7.6619	0.2209	7.8828		31,319.3167	31,319.3167	1.4785		31,356.2795

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	840.06	840.06	840.06	2,870,613	2,870,613
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	2,444.79	2,444.79	2,444.79	8,354,219	8,354,219
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	656.97	656.97	656.97	2,244,966	2,244,966
Total	3,941.82	3,941.82	3,941.82	13,469,798	13,469,798

4.3 Trip Type Information

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Condo/Townhouse High Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Health Club	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Recreational Swimming Pool	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Single Family Housing	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1201	1.0278	0.4504	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6427	1,309.6427	0.0251	0.0240	1,317.4252
NaturalGas Unmitigated	0.1760	1.5070	0.6629	9.6000e-003		0.1216	0.1216		0.1216	0.1216		1,919.8338	1,919.8338	0.0368	0.0352	1,931.2424

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2862.74	0.0309	0.2638	0.1123	1.6800e-003		0.0213	0.0213		0.0213	0.0213		336.7933	336.7933	6.4600e-003	6.1700e-003	338.7947
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	8331.32	0.0899	0.7678	0.3267	4.9000e-003		0.0621	0.0621		0.0621	0.0621		980.1549	980.1549	0.0188	0.0180	985.9795
Health Club	532.884	5.7500e-003	0.0522	0.0439	3.1000e-004		3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003		62.6922	62.6922	1.2000e-003	1.1500e-003	63.0648
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
Recreational Swimming Pool	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
Single Family Housing	4591.64	0.0495	0.4232	0.1801	2.7000e-003		0.0342	0.0342		0.0342	0.0342		540.1934	540.1934	0.0104	9.9000e-003	543.4035
Total		0.1760	1.5070	0.6629	9.5900e-003		0.1216	0.1216		0.1216	0.1216		1,919.8338	1,919.8338	0.0368	0.0352	1,931.2424

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Apartments Mid Rise	2.06854	0.0223	0.1906	0.0811	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.3580	243.3580	4.6600e-003	4.4600e-003	244.8041
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	6.01999	0.0649	0.5548	0.2361	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.2341	708.2341	0.0136	0.0130	712.4428
Health Club	0.319892	3.4500e-003	0.0314	0.0263	1.9000e-004		2.3800e-003	2.3800e-003		2.3800e-003	2.3800e-003		37.6344	37.6344	7.2000e-004	6.9000e-004	37.8580
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
Recreational Swimming Pool	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
Single Family Housing	2.72354	0.0294	0.2510	0.1068	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.4162	320.4162	6.1400e-003	5.8700e-003	322.3203
Total		0.1201	1.0278	0.4504	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6427	1,309.6427	0.0251	0.0240	1,317.4252

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.9069	7,029.9069	0.1858	0.1279	7,072.6611
Unmitigated	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.2921	6,642.3775	10,070.6696	10.2759	0.2327	10,396.9086

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	0.7392					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	95.9052	7.5939	186.1300	0.4748		27.9581	27.9581		27.9581	27.9581	3,428.2921	6,588.0000	10,016.2921	10.2238	0.2327	10,341.2289
Landscaping	0.9061	0.3475	30.1703	1.5900e-003		0.1674	0.1674		0.1674	0.1674		54.3775	54.3775	0.0521		55.6796
Total	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.2921	6,642.3775	10,070.6696	10.2759	0.2327	10,396.9086

Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Architectural Coating	0.7392					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6394	5.4642	2.3252	0.0349		0.4418	0.4418		0.4418	0.4418	0.0000	6,975.529 4	6,975.529 4	0.1337	0.1279	7,016.981 5
Landscaping	0.9061	0.3475	30.1703	1.5900e-003		0.1674	0.1674		0.1674	0.1674		54.3775	54.3775	0.0521		55.6796
Total	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.906 9	7,029.906 9	0.1858	0.1279	7,072.661 1

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Bouquet Canyon Project_MHDT & Tier 4 Mitigation - Los Angeles-South Coast County, Winter

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Annual

Bouquet Canyon Project_Unmitigated

Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	10.52	1000sqft	0.24	10,522.00	0
City Park	2.65	Acre	2.65	115,434.00	0
Health Club	10.75	1000sqft	0.25	10,746.00	0
Recreational Swimming Pool	9.68	1000sqft	0.22	9,676.00	0
Apartments Mid Rise	78.00	Dwelling Unit	2.05	78,000.00	223
Condo/Townhouse High Rise	227.00	Dwelling Unit	3.55	227,000.00	649
Single Family Housing	61.00	Dwelling Unit	19.81	109,800.00	174

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	513	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - CO2 Intensity Factor Source: Southern California Edison, 2018 Sustainability Report, dated May 2019.

Land Use - Per project description.

Construction Phase - Based on applicant assumptions.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Anticipated trenching equipment.

Trips and VMT - Earthwork would be balanced on-site.

Grading -

Vehicle Trips - Per traffic study.

Energy Use -

Construction Off-road Equipment Mitigation - Per SCAQMD standards and regulations.

Energy Mitigation - % Improvement based on efficiency of 2019 Title 24 Standards compared to 2016 Title 24 Standards.

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstructionPhase	NumDays	20.00	77.00
tblConstructionPhase	NumDays	45.00	187.00
tblConstructionPhase	NumDays	35.00	132.00
tblConstructionPhase	NumDays	440.00	792.00
tblConstructionPhase	NumDays	35.00	396.00
tblGrading	MaterialExported	0.00	2,069,664.00
tblGrading	MaterialImported	0.00	2,069,664.00
tblLandUse	LandUseSquareFeet	10,520.00	10,522.00
tblLandUse	LandUseSquareFeet	10,750.00	10,746.00
tblLandUse	LandUseSquareFeet	9,680.00	9,676.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblTripsAndVMT	HaulingTripLength	20.00	0.50
tblVehicleTrips	ST_TR	6.39	10.77
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	10.77
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	9.91	10.77
tblVehicleTrips	SU_TR	5.86	10.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	10.77

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tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	8.62	10.77
tblVehicleTrips	WD_TR	6.65	10.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	10.77
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	9.52	10.77

2.0 Emissions Summary

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, 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	0.4394	8.8826	2.9349	0.0103	1.4740	0.1722	1.6461	0.5890	0.1585	0.7475	0.0000	970.0881	970.0881	0.1990	0.0000	975.0621
2021	0.4659	10.7281	3.6694	0.0136	0.8855	0.1688	1.0543	0.2636	0.1555	0.4191	0.0000	1,285.676 3	1,285.676 3	0.2488	0.0000	1,291.896 7
2022	0.2948	2.2804	2.9492	6.8700e-003	0.2825	0.0944	0.3769	0.0757	0.0881	0.1638	0.0000	617.1930	617.1930	0.0902	0.0000	619.4488
2023	0.4114	2.5661	3.5805	9.5500e-003	0.4869	0.0954	0.5823	0.1305	0.0897	0.2203	0.0000	861.7659	861.7659	0.0917	0.0000	864.0592
2024	1.2978	2.6222	3.9595	0.0106	0.5745	0.0930	0.6675	0.1538	0.0879	0.2417	0.0000	956.4651	956.4651	0.0945	0.0000	958.8284
2025	0.5981	1.1595	1.8035	4.8900e-003	0.2697	0.0378	0.3075	0.0722	0.0357	0.1079	0.0000	440.8521	440.8521	0.0437	0.0000	441.9436
Maximum	1.2978	10.7281	3.9595	0.0136	1.4740	0.1722	1.6461	0.5890	0.1585	0.7475	0.0000	1,285.676 3	1,285.676 3	0.2488	0.0000	1,291.896 7

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2.1 Overall Construction**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	0.4394	8.8826	2.9349	0.0103	0.5723	0.1722	0.7444	0.2253	0.1585	0.3839	0.0000	970.0877	970.0877	0.1990	0.0000	975.0617
2021	0.4659	10.7281	3.6694	0.0136	0.3580	0.1688	0.5269	0.1060	0.1555	0.2615	0.0000	1,285.6758	1,285.6758	0.2488	0.0000	1,291.8962
2022	0.2948	2.2804	2.9492	6.8700e-003	0.2200	0.0944	0.3144	0.0604	0.0881	0.1485	0.0000	617.1926	617.1926	0.0902	0.0000	619.4485
2023	0.4114	2.5661	3.5805	9.5500e-003	0.3793	0.0954	0.4747	0.1041	0.0897	0.1938	0.0000	861.7655	861.7655	0.0917	0.0000	864.0588
2024	1.2978	2.6222	3.9595	0.0106	0.4472	0.0930	0.5402	0.1225	0.0879	0.2104	0.0000	956.4647	956.4647	0.0945	0.0000	958.8280
2025	0.5981	1.1595	1.8035	4.8900e-003	0.2099	0.0378	0.2477	0.0575	0.0357	0.0932	0.0000	440.8519	440.8519	0.0437	0.0000	441.9434
Maximum	1.2978	10.7281	3.9595	0.0136	0.5723	0.1722	0.7444	0.2253	0.1585	0.3839	0.0000	1,285.6758	1,285.6758	0.2488	0.0000	1,291.8962

	ROG	NOx	CO	SO2	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	44.96	0.00	38.54	47.39	0.00	32.04	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	7-1-2020	9-30-2020	2.3382	2.3382
2	10-1-2020	12-31-2020	6.3235	6.3235
3	1-1-2021	3-31-2021	5.9063	5.9063
4	4-1-2021	6-30-2021	4.4164	4.4164
5	7-1-2021	9-30-2021	0.3952	0.3952

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6	10-1-2021	12-31-2021	0.4157	0.4157
7	1-1-2022	3-31-2022	0.3968	0.3968
8	4-1-2022	6-30-2022	0.5030	0.5030
9	7-1-2022	9-30-2022	0.8326	0.8326
10	10-1-2022	12-31-2022	0.8399	0.8399
11	1-1-2023	3-31-2023	0.7257	0.7257
12	4-1-2023	6-30-2023	0.7272	0.7272
13	7-1-2023	9-30-2023	0.7352	0.7352
14	10-1-2023	12-31-2023	0.7948	0.7948
15	1-1-2024	3-31-2024	0.9745	0.9745
16	4-1-2024	6-30-2024	0.9670	0.9670
17	7-1-2024	9-30-2024	0.9776	0.9776
18	10-1-2024	12-31-2024	0.9852	0.9852
19	1-1-2025	3-31-2025	0.9205	0.9205
20	4-1-2025	6-30-2025	0.8221	0.8221
		Highest	6.3235	6.3235

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9865	0.1384	6.0979	6.1300e-003		0.3704	0.3704		0.3704	0.3704	38.8762	80.8730	119.7492	0.1218	2.6400e-003	123.5815
Energy	0.0321	0.2750	0.1210	1.7500e-003		0.0222	0.0222		0.0222	0.0222	0.0000	763.9929	763.9929	0.0313	0.0111	768.0673
Mobile	1.0096	4.8051	13.8472	0.0566	5.1112	0.0431	5.1543	1.3698	0.0401	1.4098	0.0000	5,242.6946	5,242.6946	0.2432	0.0000	5,248.7742
Waste						0.0000	0.0000		0.0000	0.0000	66.6460	0.0000	66.6460	3.9387	0.0000	165.1126
Water						0.0000	0.0000		0.0000	0.0000	7.9487	124.8552	132.8039	0.8235	0.0207	159.5703
Total	4.0281	5.2185	20.0661	0.0645	5.1112	0.4357	5.5469	1.3698	0.4327	1.8024	113.4709	6,212.4158	6,325.8866	5.1585	0.0344	6,465.1059

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.7956	0.1117	3.8004	6.4000e-004		0.0265	0.0265		0.0265	0.0265	0.0000	85.2675	85.2675	7.4200e-003	1.4500e-003	85.8852
Energy	0.0219	0.1876	0.0822	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	647.1482	647.1482	0.0285	9.0100e-003	650.5447
Mobile	1.0096	4.8051	13.8472	0.0566	5.1112	0.0431	5.1543	1.3698	0.0401	1.4098	0.0000	5,242.6946	5,242.6946	0.2432	0.0000	5,248.7742
Waste						0.0000	0.0000		0.0000	0.0000	33.3230	0.0000	33.3230	1.9693	0.0000	82.5563
Water						0.0000	0.0000		0.0000	0.0000	7.9487	124.8552	132.8039	0.8235	0.0207	159.5703
Total	2.8271	5.1044	17.7298	0.0585	5.1112	0.0847	5.1959	1.3698	0.0817	1.4514	41.2717	6,099.9655	6,141.2372	3.0719	0.0312	6,227.3306

	ROG	NOx	CO	SO2	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	29.82	2.19	11.64	9.36	0.00	80.56	6.33	0.00	81.13	19.47	63.63	1.81	2.92	40.45	9.38	3.68

3.0 Construction Detail**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2020	9/15/2020	5	77	
2	Grading - Earthwork	Grading	9/16/2020	6/3/2021	5	187	
3	Trenching	Trenching	6/4/2021	12/6/2021	5	132	
4	Paving	Paving	12/7/2021	6/8/2022	5	132	
5	Building Construction	Building Construction	6/9/2022	6/20/2025	5	792	
6	Architectural Coating	Architectural Coating	12/15/2023	6/20/2025	5	396	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.24

Residential Indoor: 839,970; Residential Outdoor: 279,990; Non-Residential Indoor: 16,119; Non-Residential Outdoor: 5,373; Striped Parking Area: 631 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Earthwork	Excavators	2	8.00	158	0.38
Grading - Earthwork	Graders	1	8.00	187	0.41
Grading - Earthwork	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Earthwork	Scrapers	2	8.00	367	0.48
Grading - Earthwork	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Pavers	0		130	0.42
Trenching	Paving Equipment	0		132	0.36
Trenching	Rollers	0		80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Paving	Air Compressors	0		78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Earthwork	8	20.00	0.00	258,708.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	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
Building Construction	9	303.00	63.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 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					0.6956	0.0000	0.6956	0.3823	0.0000	0.3823	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1569	1.6331	0.8283	1.4600e-003		0.0846	0.0846		0.0778	0.0778	0.0000	128.7081	128.7081	0.0416	0.0000	129.7488
Total	0.1569	1.6331	0.8283	1.4600e-003	0.6956	0.0846	0.7802	0.3823	0.0778	0.4602	0.0000	128.7081	128.7081	0.0416	0.0000	129.7488

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3.2 Site Preparation - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-003	2.5800e-003	0.0285	8.0000e-005	7.5900e-003	6.0000e-005	7.6600e-003	2.0200e-003	6.0000e-005	2.0800e-003	0.0000	7.0780	7.0780	2.2000e-004	0.0000	7.0835
Total	3.2000e-003	2.5800e-003	0.0285	8.0000e-005	7.5900e-003	6.0000e-005	7.6600e-003	2.0200e-003	6.0000e-005	2.0800e-003	0.0000	7.0780	7.0780	2.2000e-004	0.0000	7.0835

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					0.2577	0.0000	0.2577	0.1417	0.0000	0.1417	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1569	1.6331	0.8283	1.4600e-003		0.0846	0.0846		0.0778	0.0778	0.0000	128.7080	128.7080	0.0416	0.0000	129.7486
Total	0.1569	1.6331	0.8283	1.4600e-003	0.2577	0.0846	0.3423	0.1417	0.0778	0.2195	0.0000	128.7080	128.7080	0.0416	0.0000	129.7486

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3.2 Site Preparation - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	3.2000e-003	2.5800e-003	0.0285	8.0000e-005	5.8800e-003	6.0000e-005	5.9500e-003	1.6000e-003	6.0000e-005	1.6600e-003	0.0000	7.0780	7.0780	2.2000e-004	0.0000	7.0835
Total	3.2000e-003	2.5800e-003	0.0285	8.0000e-005	5.8800e-003	6.0000e-005	5.9500e-003	1.6000e-003	6.0000e-005	1.6600e-003	0.0000	7.0780	7.0780	2.2000e-004	0.0000	7.0835

3.3 Grading - Earthwork - 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					0.7138	0.0000	0.7138	0.1897	0.0000	0.1897	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1713	1.9326	1.2304	2.3900e-003		0.0837	0.0837		0.0770	0.0770	0.0000	209.7645	209.7645	0.0678	0.0000	211.4606
Total	0.1713	1.9326	1.2304	2.3900e-003	0.7138	0.0837	0.7975	0.1897	0.0770	0.2667	0.0000	209.7645	209.7645	0.0678	0.0000	211.4606

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3.3 Grading - Earthwork - 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	0.1043	5.3115	0.8160	6.2900e-003	0.0486	3.7200e-003	0.0523	0.0127	3.5600e-003	0.0163	0.0000	616.6731	616.6731	0.0890	0.0000	618.8986
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	3.5500e-003	2.8700e-003	0.0317	9.0000e-005	8.4400e-003	7.0000e-005	8.5100e-003	2.2400e-003	7.0000e-005	2.3100e-003	0.0000	7.8644	7.8644	2.5000e-004	0.0000	7.8706
Total	0.1079	5.3143	0.8477	6.3800e-003	0.0570	3.7900e-003	0.0608	0.0150	3.6300e-003	0.0186	0.0000	624.5375	624.5375	0.0893	0.0000	626.7692

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					0.2645	0.0000	0.2645	0.0703	0.0000	0.0703	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1713	1.9326	1.2304	2.3900e-003		0.0837	0.0837		0.0770	0.0770	0.0000	209.7643	209.7643	0.0678	0.0000	211.4603
Total	0.1713	1.9326	1.2304	2.3900e-003	0.2645	0.0837	0.3482	0.0703	0.0770	0.1473	0.0000	209.7643	209.7643	0.0678	0.0000	211.4603

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3.3 Grading - Earthwork - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.1043	5.3115	0.8160	6.2900e-003	0.0377	3.7200e-003	0.0414	0.0101	3.5600e-003	0.0136	0.0000	616.6731	616.6731	0.0890	0.0000	618.8986
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	3.5500e-003	2.8700e-003	0.0317	9.0000e-005	6.5400e-003	7.0000e-005	6.6100e-003	1.7700e-003	7.0000e-005	1.8400e-003	0.0000	7.8644	7.8644	2.5000e-004	0.0000	7.8706
Total	0.1079	5.3143	0.8477	6.3800e-003	0.0442	3.7900e-003	0.0480	0.0118	3.6300e-003	0.0155	0.0000	624.5375	624.5375	0.0893	0.0000	626.7692

3.3 Grading - Earthwork - 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					0.8132	0.0000	0.8132	0.2443	0.0000	0.2443	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2305	2.5520	1.6983	3.4100e-003		0.1092	0.1092		0.1005	0.1005	0.0000	299.7224	299.7224	0.0969	0.0000	302.1458
Total	0.2305	2.5520	1.6983	3.4100e-003	0.8132	0.1092	0.9224	0.2443	0.1005	0.3447	0.0000	299.7224	299.7224	0.0969	0.0000	302.1458

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3.3 Grading - Earthwork - 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	0.1400	7.3331	1.1175	8.9000e-003	0.0515	4.6200e-003	0.0561	0.0138	4.4200e-003	0.0182	0.0000	872.9367	872.9367	0.1209	0.0000	875.9582
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	4.7300e-003	3.6800e-003	0.0416	1.2000e-004	0.0121	1.0000e-004	0.0122	3.2000e-003	9.0000e-005	3.2900e-003	0.0000	10.8781	10.8781	3.2000e-004	0.0000	10.8861
Total	0.1448	7.3368	1.1591	9.0200e-003	0.0635	4.7200e-003	0.0683	0.0170	4.5100e-003	0.0215	0.0000	883.8148	883.8148	0.1212	0.0000	886.8443

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					0.3013	0.0000	0.3013	0.0905	0.0000	0.0905	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2305	2.5520	1.6983	3.4100e-003		0.1092	0.1092		0.1005	0.1005	0.0000	299.7220	299.7220	0.0969	0.0000	302.1455
Total	0.2305	2.5520	1.6983	3.4100e-003	0.3013	0.1092	0.4105	0.0905	0.1005	0.1910	0.0000	299.7220	299.7220	0.0969	0.0000	302.1455

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3.3 Grading - Earthwork - 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	0.1400	7.3331	1.1175	8.9000e-003	0.0406	4.6200e-003	0.0452	0.0111	4.4200e-003	0.0155	0.0000	872.9367	872.9367	0.1209	0.0000	875.9582
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	4.7300e-003	3.6800e-003	0.0416	1.2000e-004	9.3400e-003	1.0000e-004	9.4400e-003	2.5300e-003	9.0000e-005	2.6300e-003	0.0000	10.8781	10.8781	3.2000e-004	0.0000	10.8861
Total	0.1448	7.3368	1.1591	9.0200e-003	0.0500	4.7200e-003	0.0547	0.0136	4.5100e-003	0.0182	0.0000	883.8148	883.8148	0.1212	0.0000	886.8443

3.4 Trenching - 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	0.0752	0.7138	0.6424	8.6000e-004		0.0484	0.0484		0.0445	0.0445	0.0000	75.1807	75.1807	0.0243	0.0000	75.7886
Total	0.0752	0.7138	0.6424	8.6000e-004		0.0484	0.0484		0.0445	0.0445	0.0000	75.1807	75.1807	0.0243	0.0000	75.7886

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3.4 Trenching - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	2.2100e-003	0.0250	7.0000e-005	7.2300e-003	6.0000e-005	7.2900e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.5269	6.5269	1.9000e-004	0.0000	6.5317
Total	2.8400e-003	2.2100e-003	0.0250	7.0000e-005	7.2300e-003	6.0000e-005	7.2900e-003	1.9200e-003	5.0000e-005	1.9800e-003	0.0000	6.5269	6.5269	1.9000e-004	0.0000	6.5317

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	0.0752	0.7138	0.6424	8.6000e-004		0.0484	0.0484		0.0445	0.0445	0.0000	75.1807	75.1807	0.0243	0.0000	75.7885
Total	0.0752	0.7138	0.6424	8.6000e-004		0.0484	0.0484		0.0445	0.0445	0.0000	75.1807	75.1807	0.0243	0.0000	75.7885

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3.4 Trenching - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8400e-003	2.2100e-003	0.0250	7.0000e-005	5.6000e-003	6.0000e-005	5.6600e-003	1.5200e-003	5.0000e-005	1.5800e-003	0.0000	6.5269	6.5269	1.9000e-004	0.0000	6.5317
Total	2.8400e-003	2.2100e-003	0.0250	7.0000e-005	5.6000e-003	6.0000e-005	5.6600e-003	1.5200e-003	5.0000e-005	1.5800e-003	0.0000	6.5269	6.5269	1.9000e-004	0.0000	6.5317

3.5 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	0.0119	0.1227	0.1392	2.2000e-004		6.4400e-003	6.4400e-003		5.9200e-003	5.9200e-003	0.0000	19.0223	19.0223	6.1500e-003	0.0000	19.1761
Paving	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0120	0.1227	0.1392	2.2000e-004		6.4400e-003	6.4400e-003		5.9200e-003	5.9200e-003	0.0000	19.0223	19.0223	6.1500e-003	0.0000	19.1761

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3.5 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	6.1000e-004	4.8000e-004	5.3900e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.1000e-004	1.0000e-005	4.3000e-004	0.0000	1.4092	1.4092	4.0000e-005	0.0000	1.4102
Total	6.1000e-004	4.8000e-004	5.3900e-003	2.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.1000e-004	1.0000e-005	4.3000e-004	0.0000	1.4092	1.4092	4.0000e-005	0.0000	1.4102

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	0.0119	0.1227	0.1392	2.2000e-004		6.4400e-003	6.4400e-003		5.9200e-003	5.9200e-003	0.0000	19.0223	19.0223	6.1500e-003	0.0000	19.1761
Paving	5.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0120	0.1227	0.1392	2.2000e-004		6.4400e-003	6.4400e-003		5.9200e-003	5.9200e-003	0.0000	19.0223	19.0223	6.1500e-003	0.0000	19.1761

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3.5 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	6.1000e-004	4.8000e-004	5.3900e-003	2.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.4092	1.4092	4.0000e-005	0.0000	1.4102
Total	6.1000e-004	4.8000e-004	5.3900e-003	2.0000e-005	1.2100e-003	1.0000e-005	1.2200e-003	3.3000e-004	1.0000e-005	3.4000e-004	0.0000	1.4092	1.4092	4.0000e-005	0.0000	1.4102

3.5 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	0.0623	0.6286	0.8238	1.2900e-003		0.0321	0.0321		0.0295	0.0295	0.0000	113.1557	113.1557	0.0366	0.0000	114.0706
Paving	2.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0626	0.6286	0.8238	1.2900e-003		0.0321	0.0321		0.0295	0.0295	0.0000	113.1557	113.1557	0.0366	0.0000	114.0706

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3.5 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	3.4200e-003	2.5600e-003	0.0295	9.0000e-005	9.2900e-003	7.0000e-005	9.3600e-003	2.4700e-003	7.0000e-005	2.5300e-003	0.0000	8.0865	8.0865	2.2000e-004	0.0000	8.0920
Total	3.4200e-003	2.5600e-003	0.0295	9.0000e-005	9.2900e-003	7.0000e-005	9.3600e-003	2.4700e-003	7.0000e-005	2.5300e-003	0.0000	8.0865	8.0865	2.2000e-004	0.0000	8.0920

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	0.6286	0.8238	1.2900e-003		0.0321	0.0321		0.0295	0.0295	0.0000	113.1556	113.1556	0.0366	0.0000	114.0705
Paving	2.7000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0626	0.6286	0.8238	1.2900e-003		0.0321	0.0321		0.0295	0.0295	0.0000	113.1556	113.1556	0.0366	0.0000	114.0705

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3.5 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	3.4200e-003	2.5600e-003	0.0295	9.0000e-005	7.1900e-003	7.0000e-005	7.2700e-003	1.9500e-003	7.0000e-005	2.0200e-003	0.0000	8.0865	8.0865	2.2000e-004	0.0000	8.0920
Total	3.4200e-003	2.5600e-003	0.0295	9.0000e-005	7.1900e-003	7.0000e-005	7.2700e-003	1.9500e-003	7.0000e-005	2.0200e-003	0.0000	8.0865	8.0865	2.2000e-004	0.0000	8.0920

3.6 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1254	1.1478	1.2027	1.9800e-003		0.0595	0.0595		0.0559	0.0559	0.0000	170.3181	170.3181	0.0408	0.0000	171.3381
Total	0.1254	1.1478	1.2027	1.9800e-003		0.0595	0.0595		0.0559	0.0559	0.0000	170.3181	170.3181	0.0408	0.0000	171.3381

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3.6 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0135	0.4342	0.1172	1.1700e-003	0.0292	8.1000e-004	0.0300	8.4200e-003	7.8000e-004	9.2000e-003	0.0000	113.1377	113.1377	6.7600e-003	0.0000	113.3067
Worker	0.0899	0.0674	0.7760	2.3500e-003	0.2440	1.9500e-003	0.2460	0.0648	1.7900e-003	0.0666	0.0000	212.4950	212.4950	5.8500e-003	0.0000	212.6413
Total	0.1034	0.5015	0.8932	3.5200e-003	0.2732	2.7600e-003	0.2760	0.0732	2.5700e-003	0.0758	0.0000	325.6328	325.6328	0.0126	0.0000	325.9480

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	0.1254	1.1478	1.2027	1.9800e-003		0.0595	0.0595		0.0559	0.0559	0.0000	170.3179	170.3179	0.0408	0.0000	171.3379
Total	0.1254	1.1478	1.2027	1.9800e-003		0.0595	0.0595		0.0559	0.0559	0.0000	170.3179	170.3179	0.0408	0.0000	171.3379

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3.6 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0135	0.4342	0.1172	1.1700e-003	0.0238	8.1000e-004	0.0246	7.1000e-003	7.8000e-004	7.8800e-003	0.0000	113.1377	113.1377	6.7600e-003	0.0000	113.3067
Worker	0.0899	0.0674	0.7760	2.3500e-003	0.1890	1.9500e-003	0.1910	0.0513	1.7900e-003	0.0531	0.0000	212.4950	212.4950	5.8500e-003	0.0000	212.6413
Total	0.1034	0.5015	0.8932	3.5200e-003	0.2128	2.7600e-003	0.2156	0.0584	2.5700e-003	0.0610	0.0000	325.6328	325.6328	0.0126	0.0000	325.9480

3.6 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

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3.6 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0177	0.5802	0.1860	1.9900e-003	0.0516	6.8000e-004	0.0523	0.0149	6.5000e-004	0.0155	0.0000	193.8429	193.8429	0.0106	0.0000	194.1070
Worker	0.1494	0.1078	1.2621	4.0000e-003	0.4316	3.3500e-003	0.4350	0.1146	3.0800e-003	0.1177	0.0000	362.0884	362.0884	9.3200e-003	0.0000	362.3215
Total	0.1672	0.6880	1.4481	5.9900e-003	0.4832	4.0300e-003	0.4873	0.1295	3.7300e-003	0.1333	0.0000	555.9314	555.9314	0.0199	0.0000	556.4284

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

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3.6 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0177	0.5802	0.1860	1.9900e-003	0.0421	6.8000e-004	0.0428	0.0126	6.5000e-004	0.0132	0.0000	193.8429	193.8429	0.0106	0.0000	194.1070
Worker	0.1494	0.1078	1.2621	4.0000e-003	0.3344	3.3500e-003	0.3377	0.0908	3.0800e-003	0.0939	0.0000	362.0884	362.0884	9.3200e-003	0.0000	362.3215
Total	0.1672	0.6880	1.4481	5.9900e-003	0.3765	4.0300e-003	0.3805	0.1033	3.7300e-003	0.1071	0.0000	555.9314	555.9314	0.0199	0.0000	556.4284

3.6 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

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3.6 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0174	0.5824	0.1817	2.0000e-003	0.0520	6.7000e-004	0.0527	0.0150	6.4000e-004	0.0157	0.0000	194.5558	194.5558	0.0105	0.0000	194.8180
Worker	0.1426	0.0991	1.1843	3.9100e-003	0.4350	3.3300e-003	0.4383	0.1155	3.0600e-003	0.1186	0.0000	353.5605	353.5605	8.6100e-003	0.0000	353.7757
Total	0.1601	0.6815	1.3660	5.9100e-003	0.4870	4.0000e-003	0.4909	0.1305	3.7000e-003	0.1342	0.0000	548.1163	548.1163	0.0191	0.0000	548.5937

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

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3.6 Building Construction - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0174	0.5824	0.1817	2.0000e-003	0.0424	6.7000e-004	0.0431	0.0127	6.4000e-004	0.0133	0.0000	194.5558	194.5558	0.0105	0.0000	194.8180
Worker	0.1426	0.0991	1.1843	3.9100e-003	0.3369	3.3300e-003	0.3403	0.0915	3.0600e-003	0.0945	0.0000	353.5605	353.5605	8.6100e-003	0.0000	353.7757
Total	0.1601	0.6815	1.3660	5.9100e-003	0.3794	4.0000e-003	0.3834	0.1041	3.7000e-003	0.1078	0.0000	548.1163	548.1163	0.0191	0.0000	548.5937

3.6 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0841	0.7669	0.9892	1.6600e-003		0.0324	0.0324		0.0305	0.0305	0.0000	142.6305	142.6305	0.0335	0.0000	143.4687
Total	0.0841	0.7669	0.9892	1.6600e-003		0.0324	0.0324		0.0305	0.0305	0.0000	142.6305	142.6305	0.0335	0.0000	143.4687

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3.6 Building Construction - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.9700e-003	0.2711	0.0831	9.3000e-004	0.0244	3.1000e-004	0.0247	7.0400e-003	3.0000e-004	7.3400e-003	0.0000	90.8396	90.8396	4.8500e-003	0.0000	90.9609
Worker	0.0637	0.0426	0.5160	1.7600e-003	0.2042	1.5300e-003	0.2057	0.0542	1.4100e-003	0.0556	0.0000	159.5574	159.5574	3.6800e-003	0.0000	159.6495
Total	0.0716	0.3136	0.5991	2.6900e-003	0.2286	1.8400e-003	0.2305	0.0613	1.7100e-003	0.0630	0.0000	250.3970	250.3970	8.5300e-003	0.0000	250.6104

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	0.0841	0.7669	0.9892	1.6600e-003		0.0324	0.0324		0.0305	0.0305	0.0000	142.6303	142.6303	0.0335	0.0000	143.4685
Total	0.0841	0.7669	0.9892	1.6600e-003		0.0324	0.0324		0.0305	0.0305	0.0000	142.6303	142.6303	0.0335	0.0000	143.4685

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3.6 Building Construction - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.9700e-003	0.2711	0.0831	9.3000e-004	0.0199	3.1000e-004	0.0202	5.9400e-003	3.0000e-004	6.2400e-003	0.0000	90.8396	90.8396	4.8500e-003	0.0000	90.9609
Worker	0.0637	0.0426	0.5160	1.7600e-003	0.1582	1.5300e-003	0.1597	0.0429	1.4100e-003	0.0444	0.0000	159.5574	159.5574	3.6800e-003	0.0000	159.6495
Total	0.0716	0.3136	0.5991	2.6900e-003	0.1781	1.8400e-003	0.1799	0.0489	1.7100e-003	0.0506	0.0000	250.3970	250.3970	8.5300e-003	0.0000	250.6104

3.7 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0375					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064
Total	0.0385	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064

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3.7 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2700e-003	9.2000e-004	0.0108	3.0000e-005	3.6800e-003	3.0000e-005	3.7000e-003	9.8000e-004	3.0000e-005	1.0000e-003	0.0000	3.0841	3.0841	8.0000e-005	0.0000	3.0860
Total	1.2700e-003	9.2000e-004	0.0108	3.0000e-005	3.6800e-003	3.0000e-005	3.7000e-003	9.8000e-004	3.0000e-005	1.0000e-003	0.0000	3.0841	3.0841	8.0000e-005	0.0000	3.0860

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	0.0375					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064
Total	0.0385	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064

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3.7 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2700e-003	9.2000e-004	0.0108	3.0000e-005	2.8500e-003	3.0000e-005	2.8800e-003	7.7000e-004	3.0000e-005	8.0000e-004	0.0000	3.0841	3.0841	8.0000e-005	0.0000	3.0860
Total	1.2700e-003	9.2000e-004	0.0108	3.0000e-005	2.8500e-003	3.0000e-005	2.8800e-003	7.7000e-004	3.0000e-005	8.0000e-004	0.0000	3.0841	3.0841	8.0000e-005	0.0000	3.0860

3.7 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8925					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.9162	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

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3.7 Architectural Coating - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0199	0.2384	7.9000e-004	0.0876	6.7000e-004	0.0882	0.0233	6.2000e-004	0.0239	0.0000	71.1788	71.1788	1.7300e-003	0.0000	71.2222
Total	0.0287	0.0199	0.2384	7.9000e-004	0.0876	6.7000e-004	0.0882	0.0233	6.2000e-004	0.0239	0.0000	71.1788	71.1788	1.7300e-003	0.0000	71.2222

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	0.8925					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.9162	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

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3.7 Architectural Coating - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0287	0.0199	0.2384	7.9000e-004	0.0678	6.7000e-004	0.0685	0.0184	6.2000e-004	0.0190	0.0000	71.1788	71.1788	1.7300e-003	0.0000	71.2222
Total	0.0287	0.0199	0.2384	7.9000e-004	0.0678	6.7000e-004	0.0685	0.0184	6.2000e-004	0.0190	0.0000	71.1788	71.1788	1.7300e-003	0.0000	71.2222

3.7 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4190					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0705	0.1113	1.8000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	15.7025	15.7025	8.6000e-004	0.0000	15.7239
Total	0.4295	0.0705	0.1113	1.8000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	15.7025	15.7025	8.6000e-004	0.0000	15.7239

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3.7 Architectural Coating - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.5700e-003	0.1039	3.6000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112	0.0000	32.1221	32.1221	7.4000e-004	0.0000	32.1407
Total	0.0128	8.5700e-003	0.1039	3.6000e-004	0.0411	3.1000e-004	0.0414	0.0109	2.8000e-004	0.0112	0.0000	32.1221	32.1221	7.4000e-004	0.0000	32.1407

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	0.4190					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.0705	0.1113	1.8000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	15.7025	15.7025	8.6000e-004	0.0000	15.7239
Total	0.4295	0.0705	0.1113	1.8000e-004		3.1700e-003	3.1700e-003		3.1700e-003	3.1700e-003	0.0000	15.7025	15.7025	8.6000e-004	0.0000	15.7239

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3.7 Architectural Coating - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0128	8.5700e-003	0.1039	3.6000e-004	0.0318	3.1000e-004	0.0322	8.6400e-003	2.8000e-004	8.9300e-003	0.0000	32.1221	32.1221	7.4000e-004	0.0000	32.1407
Total	0.0128	8.5700e-003	0.1039	3.6000e-004	0.0318	3.1000e-004	0.0322	8.6400e-003	2.8000e-004	8.9300e-003	0.0000	32.1221	32.1221	7.4000e-004	0.0000	32.1407

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0096	4.8051	13.8472	0.0566	5.1112	0.0431	5.1543	1.3698	0.0401	1.4098	0.0000	5,242.694 6	5,242.694 6	0.2432	0.0000	5,248.774 2
Unmitigated	1.0096	4.8051	13.8472	0.0566	5.1112	0.0431	5.1543	1.3698	0.0401	1.4098	0.0000	5,242.694 6	5,242.694 6	0.2432	0.0000	5,248.774 2

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	840.06	840.06	840.06	2,870,613	2,870,613
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	2,444.79	2,444.79	2,444.79	8,354,219	8,354,219
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	656.97	656.97	656.97	2,244,966	2,244,966
Total	3,941.82	3,941.82	3,941.82	13,469,798	13,469,798

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Condo/Townhouse High Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Health Club	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Recreational Swimming Pool	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Single Family Housing	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	430.3221	430.3221	0.0243	5.0300e-003	432.4301
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	446.1429	446.1429	0.0252	5.2200e-003	448.3284
NaturalGas Mitigated	0.0219	0.1876	0.0822	1.2000e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8260	216.8260	4.1600e-003	3.9800e-003	218.1145
NaturalGas Unmitigated	0.0321	0.2750	0.1210	1.7500e-003		0.0222	0.0222		0.0222	0.0222	0.0000	317.8500	317.8500	6.0900e-003	5.8300e-003	319.7388

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.0449e+006	5.6300e-003	0.0482	0.0205	3.1000e-004		3.8900e-003	3.8900e-003		3.8900e-003	3.8900e-003	0.0000	55.7599	55.7599	1.0700e-003	1.0200e-003	56.0913
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	3.04093e+006	0.0164	0.1401	0.0596	8.9000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	162.2756	162.2756	3.1100e-003	2.9800e-003	163.2400
Health Club	194503	1.0500e-003	9.5300e-003	8.0100e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.3794	10.3794	2.0000e-004	1.9000e-004	10.4411
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
Recreational Swimming Pool	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
Single Family Housing	1.67595e+006	9.0400e-003	0.0772	0.0329	4.9000e-004		6.2400e-003	6.2400e-003		6.2400e-003	6.2400e-003	0.0000	89.4351	89.4351	1.7100e-003	1.6400e-003	89.9665
Total		0.0321	0.2750	0.1210	1.7500e-003		0.0222	0.0222		0.0222	0.0222	0.0000	317.8500	317.8500	6.0900e-003	5.8300e-003	319.7388

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, 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					
Apartments Mid Rise	755018	4.0700e-003	0.0348	0.0148	2.2000e-004		2.8100e-003	2.8100e-003		2.8100e-003	2.8100e-003	0.0000	40.2906	40.2906	7.7000e-004	7.4000e-004	40.5301
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	2.1973e+006	0.0119	0.1013	0.0431	6.5000e-004		8.1900e-003	8.1900e-003		8.1900e-003	8.1900e-003	0.0000	117.2561	117.2561	2.2500e-003	2.1500e-003	117.9529
Health Club	116761	6.3000e-004	5.7200e-003	4.8100e-003	3.0000e-005		4.3000e-004	4.3000e-004		4.3000e-004	4.3000e-004	0.0000	6.2308	6.2308	1.2000e-004	1.1000e-004	6.2678
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
Recreational Swimming Pool	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
Single Family Housing	994091	5.3600e-003	0.0458	0.0195	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	53.0485	53.0485	1.0200e-003	9.7000e-004	53.3637
Total		0.0219	0.1876	0.0822	1.1900e-003		0.0151	0.0151		0.0151	0.0151	0.0000	216.8260	216.8260	4.1600e-003	3.9700e-003	218.1145

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	315757	73.4745	4.1500e-003	8.6000e-004	73.8344
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	977877	227.5451	0.0129	2.6600e-003	228.6598
Health Club	119281	27.7558	1.5700e-003	3.2000e-004	27.8917
Parking Lot	3682.7	0.8569	5.0000e-005	1.0000e-005	0.8611
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	500706	116.5107	6.5900e-003	1.3600e-003	117.0814
Total		446.1429	0.0252	5.2100e-003	448.3284

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Annual

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

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	305314	71.0443	4.0200e-003	8.3000e-004	71.3923
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	947483	220.4727	0.0125	2.5800e-003	221.5527
Health Club	106466	24.7739	1.4000e-003	2.9000e-004	24.8952
Parking Lot	3682.7	0.8569	5.0000e-005	1.0000e-005	0.8611
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	486368	113.1744	6.4000e-003	1.3200e-003	113.7288
Total		430.3222	0.0243	5.0300e-003	432.4301

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, 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	1.7956	0.1117	3.8004	6.4000e-004		0.0265	0.0265		0.0265	0.0265	0.0000	85.2675	85.2675	7.4200e-003	1.4500e-003	85.8852
Unmitigated	2.9865	0.1384	6.0979	6.1300e-003		0.3704	0.3704		0.3704	0.3704	38.8762	80.8730	119.7492	0.1218	2.6400e-003	123.5815

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	0.1349					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5395					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.1988	0.0949	2.3266	5.9400e-003		0.3495	0.3495		0.3495	0.3495	38.8762	74.7067	113.5828	0.1159	2.6400e-003	117.2676
Landscaping	0.1133	0.0434	3.7713	2.0000e-004		0.0209	0.0209		0.0209	0.0209	0.0000	6.1663	6.1663	5.9100e-003	0.0000	6.3140
Total	2.9865	0.1384	6.0979	6.1400e-003		0.3704	0.3704		0.3704	0.3704	38.8762	80.8730	119.7491	0.1219	2.6400e-003	123.5815

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, 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	0.1349					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5395					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	7.9900e-003	0.0683	0.0291	4.4000e-004		5.5200e-003	5.5200e-003		5.5200e-003	5.5200e-003	0.0000	79.1012	79.1012	1.5200e-003	1.4500e-003	79.5712
Landscaping	0.1133	0.0434	3.7713	2.0000e-004		0.0209	0.0209		0.0209	0.0209	0.0000	6.1663	6.1663	5.9100e-003	0.0000	6.3140
Total	1.7956	0.1117	3.8003	6.4000e-004		0.0264	0.0264		0.0264	0.0264	0.0000	85.2675	85.2675	7.4300e-003	1.4500e-003	85.8852

7.0 Water Detail**7.1 Mitigation Measures Water**

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	132.8039	0.8235	0.0207	159.5703
Unmitigated	132.8039	0.8235	0.0207	159.5703

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Annual

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.08201 / 3.20388	25.2930	0.1669	4.1900e-003	30.7141
City Park	0 / 3.15743	8.1626	4.6000e-004	1.0000e-004	8.2026
Condo/Townhouse High Rise	14.79 / 9.32411	73.6091	0.4858	0.0122	89.3860
Health Club	0.635789 / 0.389677	3.1355	0.0209	5.2000e-004	3.8136
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.572506 / 0.350891	2.8234	0.0188	4.7000e-004	3.4340
Single Family Housing	3.9744 / 2.5056	19.7804	0.1306	3.2700e-003	24.0200
Total		132.8039	0.8235	0.0207	159.5703

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.08201 / 3.20388	25.2930	0.1669	4.1900e-003	30.7141
City Park	0 / 3.15743	8.1626	4.6000e-004	1.0000e-004	8.2026
Condo/Townhouse High Rise	14.79 / 9.32411	73.6091	0.4858	0.0122	89.3860
Health Club	0.635789 / 0.389677	3.1355	0.0209	5.2000e-004	3.8136
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	0.572506 / 0.350891	2.8234	0.0188	4.7000e-004	3.4340
Single Family Housing	3.9744 / 2.5056	19.7804	0.1306	3.2700e-003	24.0200
Total		132.8039	0.8235	0.0207	159.5703

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.3230	1.9693	0.0000	82.5563
Unmitigated	66.6460	3.9387	0.0000	165.1126

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	35.88	7.2833	0.4304	0.0000	18.0441
City Park	0.23	0.0467	2.7600e-003	0.0000	0.1157
Condo/Townhouse High Rise	104.42	21.1963	1.2527	0.0000	52.5130
Health Club	61.27	12.4373	0.7350	0.0000	30.8128
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	55.18	11.2010	0.6620	0.0000	27.7501
Single Family Housing	71.34	14.4814	0.8558	0.0000	35.8770
Total		66.6460	3.9387	0.0000	165.1126

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	17.94	3.6417	0.2152	0.0000	9.0221
City Park	0.115	0.0233	1.3800e-003	0.0000	0.0578
Condo/Townhouse High Rise	52.21	10.5982	0.6263	0.0000	26.2565
Health Club	30.635	6.2186	0.3675	0.0000	15.4064
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	27.59	5.6005	0.3310	0.0000	13.8751
Single Family Housing	35.67	7.2407	0.4279	0.0000	17.9385
Total		33.3230	1.9693	0.0000	82.5563

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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Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Annual

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

Bouquet Canyon Project_Unmitigated

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	10.52	1000sqft	0.24	10,522.00	0
City Park	2.65	Acre	2.65	115,434.00	0
Health Club	10.75	1000sqft	0.25	10,746.00	0
Recreational Swimming Pool	9.68	1000sqft	0.22	9,676.00	0
Apartments Mid Rise	78.00	Dwelling Unit	2.05	78,000.00	223
Condo/Townhouse High Rise	227.00	Dwelling Unit	3.55	227,000.00	649
Single Family Housing	61.00	Dwelling Unit	19.81	109,800.00	174

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	513	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

Project Characteristics - CO2 Intensity Factor Source: Southern California Edison, 2018 Sustainability Report, dated May 2019.

Land Use - Per project description.

Construction Phase - Based on applicant assumptions.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Anticipated trenching equipment.

Trips and VMT - Earthwork would be balanced on-site.

Grading -

Vehicle Trips - Per traffic study.

Energy Use -

Construction Off-road Equipment Mitigation - Per SCAQMD standards and regulations.

Energy Mitigation - % Improvement based on efficiency of 2019 Title 24 Standards compared to 2016 Title 24 Standards.

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstructionPhase	NumDays	20.00	77.00
tblConstructionPhase	NumDays	45.00	187.00
tblConstructionPhase	NumDays	35.00	132.00
tblConstructionPhase	NumDays	440.00	792.00
tblConstructionPhase	NumDays	35.00	396.00
tblGrading	MaterialExported	0.00	2,069,664.00
tblGrading	MaterialImported	0.00	2,069,664.00
tblLandUse	LandUseSquareFeet	10,520.00	10,522.00
tblLandUse	LandUseSquareFeet	10,750.00	10,746.00
tblLandUse	LandUseSquareFeet	9,680.00	9,676.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblTripsAndVMT	HaulingTripLength	20.00	0.50
tblVehicleTrips	ST_TR	6.39	10.77
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	10.77
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	9.91	10.77
tblVehicleTrips	SU_TR	5.86	10.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	10.77

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	8.62	10.77
tblVehicleTrips	WD_TR	6.65	10.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	10.77
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	9.52	10.77

2.0 Emissions Summary

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

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					
2020	7.1221	189.9531	51.2294	0.2357	18.2675	2.2643	20.4666	9.9840	2.0864	12.0072	0.0000	24,753.68 60	24,753.68 60	4.3682	0.0000	24,862.89 17
2021	6.7001	181.4432	49.3303	0.2339	12.3536	2.0640	14.4176	4.2896	1.9017	6.1913	0.0000	24,582.22 72	24,582.22 72	4.2478	0.0000	24,688.421 1
2022	3.1026	22.2389	29.1359	0.0764	3.7902	0.8465	4.6366	1.0143	0.7960	1.8104	0.0000	7,600.093 0	7,600.093 0	0.8023	0.0000	7,620.151 6
2023	10.0835	20.9779	31.8781	0.0841	4.4720	0.8066	5.2786	1.1952	0.7626	1.9578	0.0000	8,352.149 2	8,352.149 2	0.8115	0.0000	8,372.436 9
2024	9.8941	19.8586	30.9141	0.0828	4.4720	0.7098	5.1818	1.1952	0.6707	1.8659	0.0000	8,226.485 3	8,226.485 3	0.7976	0.0000	8,246.424 3
2025	9.7112	18.7060	29.9698	0.0813	4.4720	0.6139	5.0859	1.1952	0.5800	1.7752	0.0000	8,073.471 3	8,073.471 3	0.7844	0.0000	8,093.082 2
Maximum	10.0835	189.9531	51.2294	0.2357	18.2675	2.2643	20.4666	9.9840	2.0864	12.0072	0.0000	24,753.68 60	24,753.68 60	4.3682	0.0000	24,862.89 17

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

2.1 Overall Construction (Maximum Daily Emission)**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					
2020	7.1221	189.9531	51.2294	0.2357	6.8493	2.2643	9.0484	3.7215	2.0864	5.7447	0.0000	24,753.68 59	24,753.68 59	4.3682	0.0000	24,862.89 17
2021	6.7001	181.4432	49.3303	0.2339	5.0653	2.0640	7.1293	1.7250	1.9017	3.6266	0.0000	24,582.22 72	24,582.22 72	4.2478	0.0000	24,688.421 1
2022	3.1026	22.2389	29.1359	0.0764	2.9499	0.8465	3.7964	0.8081	0.7960	1.6041	0.0000	7,600.093 0	7,600.093 0	0.8023	0.0000	7,620.151 6
2023	10.0835	20.9779	31.8781	0.0841	3.4776	0.8066	4.2842	0.9511	0.7626	1.7137	0.0000	8,352.149 2	8,352.149 2	0.8115	0.0000	8,372.436 9
2024	9.8941	19.8586	30.9141	0.0828	3.4777	0.7098	4.1874	0.9511	0.6707	1.6218	0.0000	8,226.485 3	8,226.485 3	0.7976	0.0000	8,246.424 3
2025	9.7112	18.7060	29.9698	0.0813	3.4777	0.6139	4.0916	0.9511	0.5800	1.5311	0.0000	8,073.471 3	8,073.471 3	0.7844	0.0000	8,093.082 2
Maximum	10.0835	189.9531	51.2294	0.2357	6.8493	2.2643	9.0484	3.7215	2.0864	5.7447	0.0000	24,753.68 59	24,753.68 59	4.3682	0.0000	24,862.89 17

	ROG	NOx	CO	SO2	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	47.11	0.00	40.91	51.74	0.00	38.14	0.00	0.00	0.00	0.00	0.00	0.00

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

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	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.292 1	6,642.377 5	10,070.66 96	10.2759	0.2327	10,396.90 86
Energy	0.1760	1.5070	0.6629	9.6000e- 003		0.1216	0.1216		0.1216	0.1216		1,919.833 8	1,919.833 8	0.0368	0.0352	1,931.242 4
Mobile	5.8590	25.3855	79.2433	0.3222	28.6363	0.2369	28.8732	7.6619	0.2201	7.8819		32,872.13 97	32,872.13 97	1.4826		32,909.20 52
Total	112.0209	34.8339	296.2064	0.8083	28.6363	28.4840	57.1203	7.6619	28.4672	36.1291	3,428.292 1	41,434.35 10	44,862.64 31	11.7953	0.2679	45,237.35 62

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	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.906 9	7,029.906 9	0.1858	0.1279	7,072.6611
Energy	0.1201	1.0278	0.4504	6.5500e- 003		0.0829	0.0829		0.0829	0.0829		1,309.642 7	1,309.642 7	0.0251	0.0240	1,317.425 2
Mobile	5.8590	25.3855	79.2433	0.3222	28.6363	0.2369	28.8732	7.6619	0.2201	7.8819		32,872.13 97	32,872.13 97	1.4826		32,909.20 52
Total	16.6992	32.2249	112.1891	0.3653	28.6363	0.9290	29.5653	7.6619	0.9122	8.5741	0.0000	41,211.68 93	41,211.68 93	1.6935	0.1519	41,299.29 16

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	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	85.09	7.49	62.12	54.81	0.00	96.74	48.24	0.00	96.80	76.27	100.00	0.54	8.14	85.64	43.30	8.71

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 Preparation	Site Preparation	6/1/2020	9/15/2020	5	77	
2	Grading - Earthwork	Grading	9/16/2020	6/3/2021	5	187	
3	Trenching	Trenching	6/4/2021	12/6/2021	5	132	
4	Paving	Paving	12/7/2021	6/8/2022	5	132	
5	Building Construction	Building Construction	6/9/2022	6/20/2025	5	792	
6	Architectural Coating	Architectural Coating	12/15/2023	6/20/2025	5	396	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.24

Residential Indoor: 839,970; Residential Outdoor: 279,990; Non-Residential Indoor: 16,119; Non-Residential Outdoor: 5,373; Striped Parking Area: 631 (Architectural Coating – sqft)

OffRoad Equipment

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Earthwork	Excavators	2	8.00	158	0.38
Grading - Earthwork	Graders	1	8.00	187	0.41
Grading - Earthwork	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Earthwork	Scrapers	2	8.00	367	0.48
Grading - Earthwork	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Pavers	0		130	0.42
Trenching	Paving Equipment	0		132	0.36
Trenching	Rollers	0		80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Paving	Air Compressors	0		78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Earthwork	8	20.00	0.00	258,708.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	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
Building Construction	9	303.00	63.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.2 Site Preparation - 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	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	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		211.7003	211.7003	6.6700e-003		211.8672

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	6.6936	2.1974	8.8910	3.6793	2.0216	5.7009	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.2 Site Preparation - 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	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	0.0828	0.0589	0.7881	2.1300e-003	0.1557	1.6800e-003	0.1574	0.0422	1.5500e-003	0.0438		211.7003	211.7003	6.6700e-003		211.8672
Total	0.0828	0.0589	0.7881	2.1300e-003	0.1557	1.6800e-003	0.1574	0.0422	1.5500e-003	0.0438		211.7003	211.7003	6.6700e-003		211.8672

3.3 Grading - Earthwork - 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					
Fugitive Dust					11.1766	0.0000	11.1766	3.9756	0.0000	3.9756			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	11.1766	2.1739	13.3505	3.9756	2.0000	5.9756		6,005.8653	6,005.8653	1.9424		6,054.4257

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.3 Grading - Earthwork - 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	lb/day										lb/day					
Hauling	2.5800	139.6901	18.3954	0.1714	1.2866	0.0886	1.3752	0.3365	0.0847	0.4212		18,512.5981	18,512.5981	2.4184		18,573.0580
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	0.0920	0.0655	0.8757	2.3600e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		235.2226	235.2226	7.4200e-003		235.4080
Total	2.6720	139.7556	19.2711	0.1737	1.5101	0.0904	1.6006	0.3958	0.0864	0.4822		18,747.8207	18,747.8207	2.4258		18,808.4660

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					4.1409	0.0000	4.1409	1.4730	0.0000	1.4730			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	4.1409	2.1739	6.3148	1.4730	2.0000	3.4729	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.3 Grading - Earthwork - 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	lb/day										lb/day					
Hauling	2.5800	139.6901	18.3954	0.1714	0.9979	0.0886	1.0864	0.2656	0.0847	0.3503		18,512.5981	18,512.5981	2.4184		18,573.0580
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	0.0920	0.0655	0.8757	2.3600e-003	0.1730	1.8700e-003	0.1749	0.0469	1.7200e-003	0.0486		235.2226	235.2226	7.4200e-003		235.4080
Total	2.6720	139.7556	19.2711	0.1737	1.1709	0.0904	1.2613	0.3125	0.0864	0.3990		18,747.8207	18,747.8207	2.4258		18,808.4660

3.3 Grading - Earthwork - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.1766	0.0000	11.1766	3.9756	0.0000	3.9756			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.0434	6,007.0434	1.9428		6,055.6134
Total	4.1912	46.3998	30.8785	0.0620	11.1766	1.9853	13.1620	3.9756	1.8265	5.8021		6,007.0434	6,007.0434	1.9428		6,055.6134

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.3 Grading - Earthwork - 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	lb/day										lb/day					
Hauling	2.4232	134.9845	17.6463	0.1696	0.9535	0.0768	1.0303	0.2547	0.0735	0.3282		18,347.4298	18,347.4298	2.2983		18,404.8859
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	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
Total	2.5089	135.0434	18.4519	0.1719	1.1770	0.0786	1.2557	0.3140	0.0752	0.3892		18,575.1837	18,575.1837	2.3050		18,632.8077

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					4.1409	0.0000	4.1409	1.4730	0.0000	1.4730			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	4.1912	46.3998	30.8785	0.0620	4.1409	1.9853	6.1263	1.4730	1.8265	3.2995	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.3 Grading - Earthwork - 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	lb/day										lb/day					
Hauling	2.4232	134.9845	17.6463	0.1696	0.7514	0.0768	0.8282	0.2051	0.0735	0.2786		18,347.4298	18,347.4298	2.2983		18,404.8859
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	0.0857	0.0589	0.8056	2.2900e-003	0.1730	1.8100e-003	0.1748	0.0469	1.6600e-003	0.0486		227.7540	227.7540	6.7100e-003		227.9217
Total	2.5089	135.0434	18.4519	0.1719	0.9244	0.0786	1.0030	0.2520	0.0752	0.3272		18,575.1837	18,575.1837	2.3050		18,632.8077

3.4 Trenching - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749		1,255.6452	1,255.6452	0.4061		1,265.7977
Total	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749		1,255.6452	1,255.6452	0.4061		1,265.7977

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.4 Trenching - 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	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	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
Total	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609

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	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749	0.0000	1,255.6452	1,255.6452	0.4061		1,265.7977
Total	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749	0.0000	1,255.6452	1,255.6452	0.4061		1,265.7977

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.4 Trenching - 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	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	0.0429	0.0295	0.4028	1.1400e-003	0.0865	9.0000e-004	0.0874	0.0234	8.3000e-004	0.0243		113.8770	113.8770	3.3600e-003		113.9609
Total	0.0429	0.0295	0.4028	1.1400e-003	0.0865	9.0000e-004	0.0874	0.0234	8.3000e-004	0.0243		113.8770	113.8770	3.3600e-003		113.9609

3.5 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	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2603	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.5 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	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	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		170.8155	170.8155	5.0300e-003		170.9413

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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2603	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.5 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	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	0.0643	0.0442	0.6042	1.7100e-003	0.1298	1.3500e-003	0.1311	0.0352	1.2500e-003	0.0364		170.8155	170.8155	5.0300e-003		170.9413
Total	0.0643	0.0442	0.6042	1.7100e-003	0.1298	1.3500e-003	0.1311	0.0352	1.2500e-003	0.0364		170.8155	170.8155	5.0300e-003		170.9413

3.5 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	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1076	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.5 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	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	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		164.8069	164.8069	4.5500e-003		164.9206

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1076	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.5 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	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	0.0602	0.0399	0.5574	1.6500e-003	0.1298	1.3100e-003	0.1311	0.0352	1.2100e-003	0.0364		164.8069	164.8069	4.5500e-003		164.9206
Total	0.0602	0.0399	0.5574	1.6500e-003	0.1298	1.3100e-003	0.1311	0.0352	1.2100e-003	0.0364		164.8069	164.8069	4.5500e-003		164.9206

3.6 Building Construction - 2022**Unmitigated Construction On-Site**

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1797	5.8168	1.5129	0.0161	0.4033	0.0109	0.4143	0.1161	0.0105	0.1266		1,716.6611	1,716.6611	0.0985		1,719.1239
Worker	1.2166	0.8064	11.2596	0.0334	3.3868	0.0265	3.4133	0.8982	0.0244	0.9226		3,329.0983	3,329.0983	0.0919		3,331.3954
Total	1.3963	6.6232	12.7725	0.0495	3.7902	0.0374	3.8276	1.0143	0.0349	1.0492		5,045.7594	5,045.7594	0.1904		5,050.5194

Mitigated Construction On-Site

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1797	5.8168	1.5129	0.0161	0.3286	0.0109	0.3396	0.0978	0.0105	0.1083		1,716.661 1	1,716.661 1	0.0985		1,719.123 9
Worker	1.2166	0.8064	11.2596	0.0334	2.6213	0.0265	2.6478	0.7103	0.0244	0.7347		3,329.098 3	3,329.098 3	0.0919		3,331.395 4
Total	1.3963	6.6232	12.7725	0.0495	2.9499	0.0374	2.9874	0.8081	0.0349	0.8430		5,045.759 4	5,045.759 4	0.1904		5,050.519 4

3.6 Building Construction - 2023**Unmitigated Construction On-Site**

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1333	4.4136	1.3664	0.0155	0.4034	5.1000e-003	0.4085	0.1161	4.8700e-003	0.1210		1,662.6168	1,662.6168	0.0873		1,664.7993
Worker	1.1425	0.7296	10.3691	0.0322	3.3868	0.0258	3.4126	0.8982	0.0237	0.9219		3,207.2004	3,207.2004	0.0829		3,209.2716
Total	1.2758	5.1432	11.7354	0.0477	3.7902	0.0309	3.8210	1.0143	0.0286	1.0429		4,869.8172	4,869.8172	0.1702		4,874.0708

Mitigated Construction On-Site

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1333	4.4136	1.3664	0.0155	0.3286	5.1000e-003	0.3337	0.0978	4.8700e-003	0.1027		1,662.6168	1,662.6168	0.0873		1,664.7993
Worker	1.1425	0.7296	10.3691	0.0322	2.6213	0.0258	2.6470	0.7103	0.0237	0.7340		3,207.2004	3,207.2004	0.0829		3,209.2716
Total	1.2758	5.1432	11.7354	0.0477	2.9499	0.0309	2.9808	0.8081	0.0286	0.8367		4,869.8172	4,869.8172	0.1702		4,874.0708

3.6 Building Construction - 2024**Unmitigated Construction On-Site**

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1301	4.3967	1.3248	0.0154	0.4034	5.0300e-003	0.4084	0.1161	4.8100e-003	0.1210		1,655.8695	1,655.8695	0.0861		1,658.0209
Worker	1.0808	0.6654	9.6664	0.0312	3.3868	0.0254	3.4122	0.8982	0.0234	0.9216		3,107.8051	3,107.8051	0.0760		3,109.7053
Total	1.2109	5.0621	10.9911	0.0466	3.7902	0.0304	3.8206	1.0143	0.0282	1.0425		4,763.6747	4,763.6747	0.1621		4,767.7261

Mitigated Construction On-Site

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1301	4.3967	1.3248	0.0154	0.3287	5.0300e-003	0.3337	0.0978	4.8100e-003	0.1026		1,655.8695	1,655.8695	0.0861		1,658.0209
Worker	1.0808	0.6654	9.6664	0.0312	2.6213	0.0254	2.6467	0.7103	0.0234	0.7337		3,107.8051	3,107.8051	0.0760		3,109.7053
Total	1.2109	5.0621	10.9911	0.0466	2.9499	0.0304	2.9804	0.8081	0.0282	0.8363		4,763.6747	4,763.6747	0.1621		4,767.7261

3.6 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1269	4.3594	1.2907	0.0154	0.4034	4.9600e-003	0.4083	0.1161	4.7400e-003	0.1209		1,646.7456	1,646.7456	0.0849		1,648.8667
Worker	1.0262	0.6088	8.9779	0.0300	3.3868	0.0249	3.4117	0.8982	0.0229	0.9211		2,987.3830	2,987.3830	0.0693		2,989.1163
Total	1.1531	4.9682	10.2686	0.0453	3.7902	0.0298	3.8200	1.0143	0.0276	1.0420		4,634.1285	4,634.1285	0.1542		4,637.9830

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.6 Building Construction - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1269	4.3594	1.2907	0.0154	0.3287	4.9600e-003	0.3336	0.0978	4.7400e-003	0.1025		1,646.7456	1,646.7456	0.0849		1,648.8667
Worker	1.0262	0.6088	8.9779	0.0300	2.6213	0.0249	2.6461	0.7103	0.0229	0.7332		2,987.3830	2,987.3830	0.0693		2,989.1163
Total	1.1531	4.9682	10.2686	0.0453	2.9499	0.0298	2.9798	0.8081	0.0276	0.8357		4,634.1285	4,634.1285	0.1542		4,637.9830

3.7 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	7.0049	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2300	0.1469	2.0875	6.4800e-003	0.6818	5.1900e-003	0.6870	0.1808	4.7700e-003	0.1856		645.6740	645.6740	0.0167		646.0910
Total	0.2300	0.1469	2.0875	6.4800e-003	0.6818	5.1900e-003	0.6870	0.1808	4.7700e-003	0.1856		645.6740	645.6740	0.0167		646.0910

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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	7.0049	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2300	0.1469	2.0875	6.4800e-003	0.5277	5.1900e-003	0.5329	0.1430	4.7700e-003	0.1478		645.6740	645.6740	0.0167		646.0910
Total	0.2300	0.1469	2.0875	6.4800e-003	0.5277	5.1900e-003	0.5329	0.1430	4.7700e-003	0.1478		645.6740	645.6740	0.0167		646.0910

3.7 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	6.9940	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2176	0.1340	1.9460	6.2800e-003	0.6818	5.1100e-003	0.6870	0.1808	4.7100e-003	0.1855		625.6637	625.6637	0.0153		626.0463
Total	0.2176	0.1340	1.9460	6.2800e-003	0.6818	5.1100e-003	0.6870	0.1808	4.7100e-003	0.1855		625.6637	625.6637	0.0153		626.0463

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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	6.9940	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2176	0.1340	1.9460	6.2800e-003	0.5277	5.1100e-003	0.5328	0.1430	4.7100e-003	0.1477		625.6637	625.6637	0.0153		626.0463
Total	0.2176	0.1340	1.9460	6.2800e-003	0.5277	5.1100e-003	0.5328	0.1430	4.7100e-003	0.1477		625.6637	625.6637	0.0153		626.0463

3.7 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.9841	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2066	0.1226	1.8074	6.0300e-003	0.6818	5.0000e-003	0.6868	0.1808	4.6100e-003	0.1854		601.4203	601.4203	0.0140		601.7693
Total	0.2066	0.1226	1.8074	6.0300e-003	0.6818	5.0000e-003	0.6868	0.1808	4.6100e-003	0.1854		601.4203	601.4203	0.0140		601.7693

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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.9841	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2066	0.1226	1.8074	6.0300e-003	0.5277	5.0000e-003	0.5327	0.1430	4.6100e-003	0.1476		601.4203	601.4203	0.0140		601.7693
Total	0.2066	0.1226	1.8074	6.0300e-003	0.5277	5.0000e-003	0.5327	0.1430	4.6100e-003	0.1476		601.4203	601.4203	0.0140		601.7693

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.8590	25.3855	79.2433	0.3222	28.6363	0.2369	28.8732	7.6619	0.2201	7.8819		32,872.13 97	32,872.13 97	1.4826		32,909.20 52
Unmitigated	5.8590	25.3855	79.2433	0.3222	28.6363	0.2369	28.8732	7.6619	0.2201	7.8819		32,872.13 97	32,872.13 97	1.4826		32,909.20 52

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	840.06	840.06	840.06	2,870,613	2,870,613
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	2,444.79	2,444.79	2,444.79	8,354,219	8,354,219
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	656.97	656.97	656.97	2,244,966	2,244,966
Total	3,941.82	3,941.82	3,941.82	13,469,798	13,469,798

4.3 Trip Type Information

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Condo/Townhouse High Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Health Club	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Recreational Swimming Pool	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Single Family Housing	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1201	1.0278	0.4504	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6427	1,309.6427	0.0251	0.0240	1,317.4252
NaturalGas Unmitigated	0.1760	1.5070	0.6629	9.6000e-003		0.1216	0.1216		0.1216	0.1216		1,919.8338	1,919.8338	0.0368	0.0352	1,931.2424

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2862.74	0.0309	0.2638	0.1123	1.6800e-003		0.0213	0.0213		0.0213	0.0213		336.7933	336.7933	6.4600e-003	6.1700e-003	338.7947
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	8331.32	0.0899	0.7678	0.3267	4.9000e-003		0.0621	0.0621		0.0621	0.0621		980.1549	980.1549	0.0188	0.0180	985.9795
Health Club	532.884	5.7500e-003	0.0522	0.0439	3.1000e-004		3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003		62.6922	62.6922	1.2000e-003	1.1500e-003	63.0648
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
Recreational Swimming Pool	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
Single Family Housing	4591.64	0.0495	0.4232	0.1801	2.7000e-003		0.0342	0.0342		0.0342	0.0342		540.1934	540.1934	0.0104	9.9000e-003	543.4035
Total		0.1760	1.5070	0.6629	9.5900e-003		0.1216	0.1216		0.1216	0.1216		1,919.8338	1,919.8338	0.0368	0.0352	1,931.2424

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Apartments Mid Rise	2.06854	0.0223	0.1906	0.0811	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.3580	243.3580	4.6600e-003	4.4600e-003	244.8041
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	6.01999	0.0649	0.5548	0.2361	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.2341	708.2341	0.0136	0.0130	712.4428
Health Club	0.319892	3.4500e-003	0.0314	0.0263	1.9000e-004		2.3800e-003	2.3800e-003		2.3800e-003	2.3800e-003		37.6344	37.6344	7.2000e-004	6.9000e-004	37.8580
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
Recreational Swimming Pool	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
Single Family Housing	2.72354	0.0294	0.2510	0.1068	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.4162	320.4162	6.1400e-003	5.8700e-003	322.3203
Total		0.1201	1.0278	0.4504	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6427	1,309.6427	0.0251	0.0240	1,317.4252

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.9069	7,029.9069	0.1858	0.1279	7,072.6611
Unmitigated	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.2921	6,642.3775	10,070.6696	10.2759	0.2327	10,396.9086

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	0.7392					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	95.9052	7.5939	186.1300	0.4748		27.9581	27.9581		27.9581	27.9581	3,428.2921	6,588.0000	10,016.2921	10.2238	0.2327	10,341.2289
Landscaping	0.9061	0.3475	30.1703	1.5900e-003		0.1674	0.1674		0.1674	0.1674		54.3775	54.3775	0.0521		55.6796
Total	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.2921	6,642.3775	10,070.6696	10.2759	0.2327	10,396.9086

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Architectural Coating	0.7392					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6394	5.4642	2.3252	0.0349		0.4418	0.4418		0.4418	0.4418	0.0000	6,975.529 4	6,975.529 4	0.1337	0.1279	7,016.981 5
Landscaping	0.9061	0.3475	30.1703	1.5900e-003		0.1674	0.1674		0.1674	0.1674		54.3775	54.3775	0.0521		55.6796
Total	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.906 9	7,029.906 9	0.1858	0.1279	7,072.661 1

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Summer

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

Bouquet Canyon Project_Unmitigated

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	10.52	1000sqft	0.24	10,522.00	0
City Park	2.65	Acre	2.65	115,434.00	0
Health Club	10.75	1000sqft	0.25	10,746.00	0
Recreational Swimming Pool	9.68	1000sqft	0.22	9,676.00	0
Apartments Mid Rise	78.00	Dwelling Unit	2.05	78,000.00	223
Condo/Townhouse High Rise	227.00	Dwelling Unit	3.55	227,000.00	649
Single Family Housing	61.00	Dwelling Unit	19.81	109,800.00	174

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	513	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

Project Characteristics - CO2 Intensity Factor Source: Southern California Edison, 2018 Sustainability Report, dated May 2019.

Land Use - Per project description.

Construction Phase - Based on applicant assumptions.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Anticipated trenching equipment.

Trips and VMT - Earthwork would be balanced on-site.

Grading -

Vehicle Trips - Per traffic study.

Energy Use -

Construction Off-road Equipment Mitigation - Per SCAQMD standards and regulations.

Energy Mitigation - % Improvement based on efficiency of 2019 Title 24 Standards compared to 2016 Title 24 Standards.

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	11.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstructionPhase	NumDays	20.00	77.00
tblConstructionPhase	NumDays	45.00	187.00
tblConstructionPhase	NumDays	35.00	132.00
tblConstructionPhase	NumDays	440.00	792.00
tblConstructionPhase	NumDays	35.00	396.00
tblGrading	MaterialExported	0.00	2,069,664.00
tblGrading	MaterialImported	0.00	2,069,664.00
tblLandUse	LandUseSquareFeet	10,520.00	10,522.00
tblLandUse	LandUseSquareFeet	10,750.00	10,746.00
tblLandUse	LandUseSquareFeet	9,680.00	9,676.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	513
tblTripsAndVMT	HaulingTripLength	20.00	0.50
tblVehicleTrips	ST_TR	6.39	10.77
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	4.31	10.77
tblVehicleTrips	ST_TR	20.87	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	ST_TR	9.91	10.77
tblVehicleTrips	SU_TR	5.86	10.77
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	3.43	10.77

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

tblVehicleTrips	SU_TR	26.73	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	SU_TR	8.62	10.77
tblVehicleTrips	WD_TR	6.65	10.77
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	4.18	10.77
tblVehicleTrips	WD_TR	32.93	0.00
tblVehicleTrips	WD_TR	33.82	0.00
tblVehicleTrips	WD_TR	9.52	10.77

2.0 Emissions Summary

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

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					
2020	7.4301	185.0236	57.1861	0.2167	18.2675	2.2838	20.4666	9.9840	2.1051	12.0072	0.0000	22,701.031 1	22,701.031 1	4.6639	0.0000	22,817.62 75
2021	6.9916	176.7599	55.0092	0.2150	12.3536	2.0812	14.4349	4.2896	1.9182	6.2078	0.0000	22,540.32 45	22,540.32 45	4.5303	0.0000	22,653.58 30
2022	3.2519	22.3091	28.3148	0.0740	3.7902	0.8468	4.6370	1.0143	0.7964	1.8107	0.0000	7,358.391 8	7,358.391 8	0.8032	0.0000	7,378.4711
2023	10.2537	21.0511	30.8913	0.0814	4.4720	0.8069	5.2789	1.1952	0.7629	1.9580	0.0000	8,082.1911	8,082.1911	0.8104	0.0000	8,102.451 3
2024	10.0597	19.9244	29.9845	0.0802	4.4720	0.7100	5.1820	1.1952	0.6709	1.8661	0.0000	7,963.869 8	7,963.869 8	0.7967	0.0000	7,983.787 5
2025	9.8729	18.7646	29.1025	0.0788	4.4720	0.6141	5.0861	1.1952	0.5802	1.7754	0.0000	7,819.917 5	7,819.917 5	0.7839	0.0000	7,839.514 2
Maximum	10.2537	185.0236	57.1861	0.2167	18.2675	2.2838	20.4666	9.9840	2.1051	12.0072	0.0000	22,701.03 11	22,701.03 11	4.6639	0.0000	22,817.62 75

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

2.1 Overall Construction (Maximum Daily Emission)**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					
2020	7.4301	185.0236	57.1861	0.2167	6.8493	2.2838	9.0484	3.7215	2.1051	5.7447	0.0000	22,701.031 1	22,701.031 1	4.6639	0.0000	22,817.62 75
2021	6.9916	176.7599	55.0092	0.2150	5.0653	2.0812	7.1466	1.7250	1.9182	3.6431	0.0000	22,540.32 44	22,540.32 44	4.5303	0.0000	22,653.58 30
2022	3.2519	22.3091	28.3148	0.0740	2.9499	0.8468	3.7967	0.8081	0.7964	1.6045	0.0000	7,358.391 8	7,358.391 8	0.8032	0.0000	7,378.4711
2023	10.2537	21.0511	30.8913	0.0814	3.4776	0.8069	4.2845	0.9511	0.7629	1.7139	0.0000	8,082.1911	8,082.191 1	0.8104	0.0000	8,102.451 3
2024	10.0597	19.9244	29.9845	0.0802	3.4777	0.7100	4.1877	0.9511	0.6709	1.6220	0.0000	7,963.869 8	7,963.869 8	0.7967	0.0000	7,983.787 5
2025	9.8729	18.7646	29.1025	0.0788	3.4777	0.6141	4.0918	0.9511	0.5802	1.5313	0.0000	7,819.917 5	7,819.917 5	0.7839	0.0000	7,839.514 2
Maximum	10.2537	185.0236	57.1861	0.2167	6.8493	2.2838	9.0484	3.7215	2.1051	5.7447	0.0000	22,701.03 11	22,701.03 11	4.6639	0.0000	22,817.62 75

	ROG	NOx	CO	SO2	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	47.11	0.00	40.90	51.74	0.00	38.11	0.00	0.00	0.00	0.00	0.00	0.00

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

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	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.292 1	6,642.377 5	10,070.66 96	10.2759	0.2327	10,396.90 86
Energy	0.1760	1.5070	0.6629	9.6000e- 003		0.1216	0.1216		0.1216	0.1216		1,919.833 8	1,919.833 8	0.0368	0.0352	1,931.242 4
Mobile	5.6748	25.9595	74.9361	0.3068	28.6363	0.2378	28.8740	7.6619	0.2209	7.8828		31,319.31 67	31,319.31 67	1.4785		31,356.27 95
Total	111.8367	35.4079	291.8993	0.7929	28.6363	28.4849	57.1211	7.6619	28.4680	36.1299	3,428.292 1	39,881.52 80	43,309.82 01	11.7912	0.2679	43,684.43 05

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	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.906 9	7,029.906 9	0.1858	0.1279	7,072.6611
Energy	0.1201	1.0278	0.4504	6.5500e- 003		0.0829	0.0829		0.0829	0.0829		1,309.642 7	1,309.642 7	0.0251	0.0240	1,317.425 2
Mobile	5.6748	25.9595	74.9361	0.3068	28.6363	0.2378	28.8740	7.6619	0.2209	7.8828		31,319.31 67	31,319.31 67	1.4785		31,356.27 95
Total	16.5150	32.7990	107.8819	0.3499	28.6363	0.9299	29.5662	7.6619	0.9130	8.5749	0.0000	39,658.86 63	39,658.86 63	1.6894	0.1519	39,746.36 59

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	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	85.23	7.37	63.04	55.87	0.00	96.74	48.24	0.00	96.79	76.27	100.00	0.56	8.43	85.67	43.30	9.01

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 Preparation	Site Preparation	6/1/2020	9/15/2020	5	77	
2	Grading - Earthwork	Grading	9/16/2020	6/3/2021	5	187	
3	Trenching	Trenching	6/4/2021	12/6/2021	5	132	
4	Paving	Paving	12/7/2021	6/8/2022	5	132	
5	Building Construction	Building Construction	6/9/2022	6/20/2025	5	792	
6	Architectural Coating	Architectural Coating	12/15/2023	6/20/2025	5	396	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.24

Residential Indoor: 839,970; Residential Outdoor: 279,990; Non-Residential Indoor: 16,119; Non-Residential Outdoor: 5,373; Striped Parking Area: 631 (Architectural Coating – sqft)

OffRoad Equipment

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading - Earthwork	Excavators	2	8.00	158	0.38
Grading - Earthwork	Graders	1	8.00	187	0.41
Grading - Earthwork	Rubber Tired Dozers	1	8.00	247	0.40
Grading - Earthwork	Scrapers	2	8.00	367	0.48
Grading - Earthwork	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Pavers	0		130	0.42
Trenching	Paving Equipment	0		132	0.36
Trenching	Rollers	0		80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Trenching	Trenchers	2	8.00	78	0.50
Paving	Air Compressors	0		78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading - Earthwork	8	20.00	0.00	258,708.00	14.70	6.90	0.50	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	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
Building Construction	9	303.00	63.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	61.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 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					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.2 Site Preparation - 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	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	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.2012	1.6800e-003	0.2029	0.0534	1.5500e-003	0.0549		199.3357	199.3357	6.2800e-003		199.4927

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					6.6936	0.0000	6.6936	3.6793	0.0000	3.6793			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	6.6936	2.1974	8.8910	3.6793	2.0216	5.7009	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.2 Site Preparation - 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	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	0.0920	0.0652	0.7218	2.0000e-003	0.1557	1.6800e-003	0.1574	0.0422	1.5500e-003	0.0438		199.3357	199.3357	6.2800e-003		199.4927
Total	0.0920	0.0652	0.7218	2.0000e-003	0.1557	1.6800e-003	0.1574	0.0422	1.5500e-003	0.0438		199.3357	199.3357	6.2800e-003		199.4927

3.3 Grading - Earthwork - 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					
Fugitive Dust					11.1766	0.0000	11.1766	3.9756	0.0000	3.9756			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	11.1766	2.1739	13.3505	3.9756	2.0000	5.9756		6,005.8653	6,005.8653	1.9424		6,054.4257

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.3 Grading - Earthwork - 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	lb/day										lb/day					
Hauling	2.8778	134.7536	24.4258	0.1525	1.2866	0.1080	1.3946	0.3365	0.1034	0.4399		16,473.68 17	16,473.68 17	2.7145		16,541.54 32
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	0.1022	0.0725	0.8020	2.2200e-003	0.2236	1.8700e-003	0.2254	0.0593	1.7200e-003	0.0610		221.4841	221.4841	6.9800e-003		221.6586
Total	2.9800	134.8261	25.2278	0.1547	1.5101	0.1099	1.6201	0.3958	0.1051	0.5009		16,695.16 58	16,695.16 58	2.7214		16,763.20 18

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					4.1409	0.0000	4.1409	1.4730	0.0000	1.4730			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7
Total	4.4501	50.1975	31.9583	0.0620	4.1409	2.1739	6.3148	1.4730	2.0000	3.4729	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.3 Grading - Earthwork - 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	lb/day										lb/day					
Hauling	2.8778	134.7536	24.4258	0.1525	0.9979	0.1080	1.1059	0.2656	0.1034	0.3690		16,473.68 17	16,473.68 17	2.7145		16,541.54 32
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	0.1022	0.0725	0.8020	2.2200e-003	0.1730	1.8700e-003	0.1749	0.0469	1.7200e-003	0.0486		221.4841	221.4841	6.9800e-003		221.6586
Total	2.9800	134.8261	25.2278	0.1547	1.1709	0.1099	1.2808	0.3125	0.1051	0.4176		16,695.16 58	16,695.16 58	2.7214		16,763.20 18

3.3 Grading - Earthwork - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					11.1766	0.0000	11.1766	3.9756	0.0000	3.9756			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265		6,007.043 4	6,007.043 4	1.9428		6,055.613 4
Total	4.1912	46.3998	30.8785	0.0620	11.1766	1.9853	13.1620	3.9756	1.8265	5.8021		6,007.043 4	6,007.043 4	1.9428		6,055.613 4

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.3 Grading - Earthwork - 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	lb/day										lb/day					
Hauling	2.7050	130.2949	23.3942	0.1509	0.9535	0.0941	1.0476	0.2547	0.0900	0.3447		16,318.8308	16,318.8308	2.5812		16,383.3616
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	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
Total	2.8004	130.3601	24.1308	0.1530	1.1770	0.0959	1.2729	0.3140	0.0917	0.4057		16,533.2810	16,533.2810	2.5875		16,597.9696

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					4.1409	0.0000	4.1409	1.4730	0.0000	1.4730			0.0000			0.0000
Off-Road	4.1912	46.3998	30.8785	0.0620		1.9853	1.9853		1.8265	1.8265	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134
Total	4.1912	46.3998	30.8785	0.0620	4.1409	1.9853	6.1263	1.4730	1.8265	3.2995	0.0000	6,007.0434	6,007.0434	1.9428		6,055.6134

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.3 Grading - Earthwork - 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	lb/day										lb/day					
Hauling	2.7050	130.2949	23.3942	0.1509	0.7514	0.0941	0.8454	0.2051	0.0900	0.2951		16,318.8308	16,318.8308	2.5812		16,383.3616
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	0.0954	0.0652	0.7365	2.1500e-003	0.1730	1.8100e-003	0.1748	0.0469	1.6600e-003	0.0486		214.4502	214.4502	6.3100e-003		214.6080
Total	2.8004	130.3601	24.1308	0.1530	0.9244	0.0959	1.0203	0.2520	0.0917	0.3437		16,533.2810	16,533.2810	2.5875		16,597.9696

3.4 Trenching - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749		1,255.6452	1,255.6452	0.4061		1,265.7977
Total	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749		1,255.6452	1,255.6452	0.4061		1,265.7977

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.4 Trenching - 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	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	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
Total	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040

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	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749	0.0000	1,255.6452	1,255.6452	0.4061		1,265.7977
Total	1.1395	10.8158	9.7331	0.0130		0.7336	0.7336		0.6749	0.6749	0.0000	1,255.6452	1,255.6452	0.4061		1,265.7977

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.4 Trenching - 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	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	0.0477	0.0326	0.3683	1.0800e-003	0.0865	9.0000e-004	0.0874	0.0234	8.3000e-004	0.0243		107.2251	107.2251	3.1600e-003		107.3040
Total	0.0477	0.0326	0.3683	1.0800e-003	0.0865	9.0000e-004	0.0874	0.0234	8.3000e-004	0.0243		107.2251	107.2251	3.1600e-003		107.3040

3.5 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	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2603	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.5 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	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	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1677	1.3500e-003	0.1690	0.0445	1.2500e-003	0.0457		160.8377	160.8377	4.7300e-003		160.9560

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	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2603	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.5 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	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	0.0715	0.0489	0.5524	1.6100e-003	0.1298	1.3500e-003	0.1311	0.0352	1.2500e-003	0.0364		160.8377	160.8377	4.7300e-003		160.9560
Total	0.0715	0.0489	0.5524	1.6100e-003	0.1298	1.3500e-003	0.1311	0.0352	1.2500e-003	0.0364		160.8377	160.8377	4.7300e-003		160.9560

3.5 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	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1076	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.5 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	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	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1677	1.3100e-003	0.1690	0.0445	1.2100e-003	0.0457		155.1854	155.1854	4.2700e-003		155.2922

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	4.7600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1076	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.5 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	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	0.0672	0.0442	0.5088	1.5600e-003	0.1298	1.3100e-003	0.1311	0.0352	1.2100e-003	0.0364		155.1854	155.1854	4.2700e-003		155.2922
Total	0.0672	0.0442	0.5088	1.5600e-003	0.1298	1.3100e-003	0.1311	0.0352	1.2100e-003	0.0364		155.1854	155.1854	4.2700e-003		155.2922

3.6 Building Construction - 2022**Unmitigated Construction On-Site**

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1887	5.8010	1.6744	0.0156	0.4033	0.0113	0.4146	0.1161	0.0108	0.1269		1,669.3128	1,669.3128	0.1049		1,671.9356
Worker	1.3570	0.8925	10.2770	0.0315	3.3868	0.0265	3.4133	0.8982	0.0244	0.9226		3,134.7455	3,134.7455	0.0863		3,136.9033
Total	1.5457	6.6935	11.9514	0.0471	3.7902	0.0378	3.8280	1.0143	0.0352	1.0496		4,804.0582	4,804.0582	0.1912		4,808.8389

Mitigated Construction On-Site

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1887	5.8010	1.6744	0.0156	0.3286	0.0113	0.3399	0.0978	0.0108	0.1086		1,669.3128	1,669.3128	0.1049		1,671.9356
Worker	1.3570	0.8925	10.2770	0.0315	2.6213	0.0265	2.6478	0.7103	0.0244	0.7347		3,134.7455	3,134.7455	0.0863		3,136.9033
Total	1.5457	6.6935	11.9514	0.0471	2.9499	0.0378	2.9877	0.8081	0.0352	0.8433		4,804.0582	4,804.0582	0.1912		4,808.8389

3.6 Building Construction - 2023**Unmitigated Construction On-Site**

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1402	4.3935	1.4878	0.0151	0.4034	5.3600e-003	0.4087	0.1161	5.1200e-003	0.1213		1,617.470 3	1,617.470 3	0.0924		1,619.779 2
Worker	1.2784	0.8072	9.4465	0.0303	3.3868	0.0258	3.4126	0.8982	0.0237	0.9219		3,020.063 3	3,020.063 3	0.0777		3,022.006 4
Total	1.4186	5.2007	10.9344	0.0454	3.7902	0.0311	3.8213	1.0143	0.0288	1.0432		4,637.533 6	4,637.533 6	0.1701		4,641.785 5

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1402	4.3935	1.4878	0.0151	0.3286	5.3600e-003	0.3340	0.0978	5.1200e-003	0.1029		1,617.470 3	1,617.470 3	0.0924		1,619.779 2
Worker	1.2784	0.8072	9.4465	0.0303	2.6213	0.0258	2.6470	0.7103	0.0237	0.7340		3,020.063 3	3,020.063 3	0.0777		3,022.006 4
Total	1.4186	5.2007	10.9344	0.0454	2.9499	0.0311	2.9810	0.8081	0.0288	0.8369		4,637.533 6	4,637.533 6	0.1701		4,641.785 5

3.6 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1368	4.3778	1.4427	0.0150	0.4034	5.2700e-003	0.4086	0.1161	5.0400e-003	0.1212		1,611.1971	1,611.1971	0.0910		1,613.4710
Worker	1.2131	0.7359	8.7944	0.0294	3.3868	0.0254	3.4122	0.8982	0.0234	0.9216		2,926.3854	2,926.3854	0.0712		2,928.1658
Total	1.3499	5.1137	10.2371	0.0444	3.7902	0.0307	3.8208	1.0143	0.0284	1.0427		4,537.5825	4,537.5825	0.1622		4,541.6368

Mitigated Construction On-Site

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

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1368	4.3778	1.4427	0.0150	0.3287	5.2700e-003	0.3339	0.0978	5.0400e-003	0.1028		1,611.1971	1,611.1971	0.0910		1,613.4710
Worker	1.2131	0.7359	8.7944	0.0294	2.6213	0.0254	2.6467	0.7103	0.0234	0.7337		2,926.3854	2,926.3854	0.0712		2,928.1658
Total	1.3499	5.1137	10.2371	0.0444	2.9499	0.0307	2.9806	0.8081	0.0284	0.8365		4,537.5825	4,537.5825	0.1622		4,541.6368

3.6 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1333	4.3407	1.4059	0.0149	0.4034	5.1700e-003	0.4085	0.1161	4.9400e-003	0.1211		1,602.5578	1,602.5578	0.0896		1,604.7975
Worker	1.1555	0.6732	8.1601	0.0282	3.3868	0.0249	3.4117	0.8982	0.0229	0.9211		2,813.1030	2,813.1030	0.0649		2,814.7257
Total	1.2888	5.0139	9.5659	0.0432	3.7902	0.0300	3.8202	1.0143	0.0278	1.0422		4,415.6608	4,415.6608	0.1545		4,419.5233

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	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.6 Building Construction - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.1333	4.3407	1.4059	0.0149	0.3287	5.1700e-003	0.3338	0.0978	4.9400e-003	0.1027		1,602.5578	1,602.5578	0.0896		1,604.7975
Worker	1.1555	0.6732	8.1601	0.0282	2.6213	0.0249	2.6461	0.7103	0.0229	0.7332		2,813.1030	2,813.1030	0.0649		2,814.7257
Total	1.2888	5.0139	9.5659	0.0432	2.9499	0.0300	2.9800	0.8081	0.0278	0.8359		4,415.6608	4,415.6608	0.1545		4,419.5233

3.7 Architectural Coating - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	7.0049	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2574	0.1625	1.9018	6.1000e-003	0.6818	5.1900e-003	0.6870	0.1808	4.7700e-003	0.1856		607.9996	607.9996	0.0157		608.3907
Total	0.2574	0.1625	1.9018	6.1000e-003	0.6818	5.1900e-003	0.6870	0.1808	4.7700e-003	0.1856		607.9996	607.9996	0.0157		608.3907

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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	7.0049	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2574	0.1625	1.9018	6.1000e-003	0.5277	5.1900e-003	0.5329	0.1430	4.7700e-003	0.1478		607.9996	607.9996	0.0157		608.3907
Total	0.2574	0.1625	1.9018	6.1000e-003	0.5277	5.1900e-003	0.5329	0.1430	4.7700e-003	0.1478		607.9996	607.9996	0.0157		608.3907

3.7 Architectural Coating - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	6.9940	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2442	0.1482	1.7705	5.9100e-003	0.6818	5.1100e-003	0.6870	0.1808	4.7100e-003	0.1855		589.1403	589.1403	0.0143		589.4987
Total	0.2442	0.1482	1.7705	5.9100e-003	0.6818	5.1100e-003	0.6870	0.1808	4.7100e-003	0.1855		589.1403	589.1403	0.0143		589.4987

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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	6.9940	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2442	0.1482	1.7705	5.9100e-003	0.5277	5.1100e-003	0.5328	0.1430	4.7100e-003	0.1477		589.1403	589.1403	0.0143		589.4987
Total	0.2442	0.1482	1.7705	5.9100e-003	0.5277	5.1100e-003	0.5328	0.1430	4.7100e-003	0.1477		589.1403	589.1403	0.0143		589.4987

3.7 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	6.9841	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2326	0.1355	1.6428	5.6800e-003	0.6818	5.0000e-003	0.6868	0.1808	4.6100e-003	0.1854		566.3343	566.3343	0.0131		566.6610
Total	0.2326	0.1355	1.6428	5.6800e-003	0.6818	5.0000e-003	0.6868	0.1808	4.6100e-003	0.1854		566.3343	566.3343	0.0131		566.6610

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	6.8133					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	6.9841	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.2326	0.1355	1.6428	5.6800e-003	0.5277	5.0000e-003	0.5327	0.1430	4.6100e-003	0.1476		566.3343	566.3343	0.0131		566.6610
Total	0.2326	0.1355	1.6428	5.6800e-003	0.5277	5.0000e-003	0.5327	0.1430	4.6100e-003	0.1476		566.3343	566.3343	0.0131		566.6610

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.6748	25.9595	74.9361	0.3068	28.6363	0.2378	28.8740	7.6619	0.2209	7.8828		31,319.3167	31,319.3167	1.4785		31,356.2795
Unmitigated	5.6748	25.9595	74.9361	0.3068	28.6363	0.2378	28.8740	7.6619	0.2209	7.8828		31,319.3167	31,319.3167	1.4785		31,356.2795

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	840.06	840.06	840.06	2,870,613	2,870,613
City Park	0.00	0.00	0.00		
Condo/Townhouse High Rise	2,444.79	2,444.79	2,444.79	8,354,219	8,354,219
Health Club	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Single Family Housing	656.97	656.97	656.97	2,244,966	2,244,966
Total	3,941.82	3,941.82	3,941.82	13,469,798	13,469,798

4.3 Trip Type Information

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Health Club	16.60	8.40	6.90	16.90	64.10	19.00	52	39	9
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	16.60	8.40	6.90	33.00	48.00	19.00	52	39	9
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
City Park	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Condo/Townhouse High Rise	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Health Club	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Parking Lot	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Recreational Swimming Pool	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841
Single Family Housing	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1201	1.0278	0.4504	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6427	1,309.6427	0.0251	0.0240	1,317.4252
NaturalGas Unmitigated	0.1760	1.5070	0.6629	9.6000e-003		0.1216	0.1216		0.1216	0.1216		1,919.8338	1,919.8338	0.0368	0.0352	1,931.2424

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2862.74	0.0309	0.2638	0.1123	1.6800e-003		0.0213	0.0213		0.0213	0.0213		336.7933	336.7933	6.4600e-003	6.1700e-003	338.7947
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	8331.32	0.0899	0.7678	0.3267	4.9000e-003		0.0621	0.0621		0.0621	0.0621		980.1549	980.1549	0.0188	0.0180	985.9795
Health Club	532.884	5.7500e-003	0.0522	0.0439	3.1000e-004		3.9700e-003	3.9700e-003		3.9700e-003	3.9700e-003		62.6922	62.6922	1.2000e-003	1.1500e-003	63.0648
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
Recreational Swimming Pool	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
Single Family Housing	4591.64	0.0495	0.4232	0.1801	2.7000e-003		0.0342	0.0342		0.0342	0.0342		540.1934	540.1934	0.0104	9.9000e-003	543.4035
Total		0.1760	1.5070	0.6629	9.5900e-003		0.1216	0.1216		0.1216	0.1216		1,919.8338	1,919.8338	0.0368	0.0352	1,931.2424

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Apartments Mid Rise	2.06854	0.0223	0.1906	0.0811	1.2200e-003		0.0154	0.0154		0.0154	0.0154		243.3580	243.3580	4.6600e-003	4.4600e-003	244.8041
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	6.01999	0.0649	0.5548	0.2361	3.5400e-003		0.0449	0.0449		0.0449	0.0449		708.2341	708.2341	0.0136	0.0130	712.4428
Health Club	0.319892	3.4500e-003	0.0314	0.0263	1.9000e-004		2.3800e-003	2.3800e-003		2.3800e-003	2.3800e-003		37.6344	37.6344	7.2000e-004	6.9000e-004	37.8580
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
Recreational Swimming Pool	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
Single Family Housing	2.72354	0.0294	0.2510	0.1068	1.6000e-003		0.0203	0.0203		0.0203	0.0203		320.4162	320.4162	6.1400e-003	5.8700e-003	322.3203
Total		0.1201	1.0278	0.4504	6.5500e-003		0.0829	0.0829		0.0829	0.0829		1,309.6427	1,309.6427	0.0251	0.0240	1,317.4252

6.0 Area Detail**6.1 Mitigation Measures Area**

Use only Natural Gas Hearths

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.9069	7,029.9069	0.1858	0.1279	7,072.6611
Unmitigated	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.2921	6,642.3775	10,070.6696	10.2759	0.2327	10,396.9086

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	0.7392					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	95.9052	7.5939	186.1300	0.4748		27.9581	27.9581		27.9581	27.9581	3,428.2921	6,588.0000	10,016.2921	10.2238	0.2327	10,341.2289
Landscaping	0.9061	0.3475	30.1703	1.5900e-003		0.1674	0.1674		0.1674	0.1674		54.3775	54.3775	0.0521		55.6796
Total	105.9859	7.9414	216.3003	0.4764		28.1255	28.1255		28.1255	28.1255	3,428.2921	6,642.3775	10,070.6696	10.2759	0.2327	10,396.9086

Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Architectural Coating	0.7392					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	8.4355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.6394	5.4642	2.3252	0.0349		0.4418	0.4418		0.4418	0.4418	0.0000	6,975.529 4	6,975.529 4	0.1337	0.1279	7,016.981 5
Landscaping	0.9061	0.3475	30.1703	1.5900e-003		0.1674	0.1674		0.1674	0.1674		54.3775	54.3775	0.0521		55.6796
Total	10.7202	5.8117	32.4955	0.0365		0.6092	0.6092		0.6092	0.6092	0.0000	7,029.906 9	7,029.906 9	0.1858	0.1279	7,072.661 1

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Bouquet Canyon Project_Unmitigated - Los Angeles-South Coast County, Winter

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

Appendix B:
Air Quality, Energy, and
Greenhouse Gas Modeling
Worksheets

Part 2: Energy Modeling
Worksheets

Bouquet Canyon Project

Land Use	Natural Gas Use	Electricity Use	Electricity Use
	(kBTU/yr)	(kWh/yr)	(MWh/yr)
Apartments Mid Rise	755018	315757	316
City Park	0	0	0
Condo/Townhouse high rise	2,197,300	977,877	978
Health club	116,761	119,281	119
Parking lot	-	3,683	4
Recreational swimming pool	-	-	0
Single family housing	994,091	500,706	501
Total kBTU	4,063,170	1,917,304	1,917
Total Therms	40,632	1917	

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	Los Angeles County Annual Energy	Percentage Increase Countywide
Electricity	1,917	67,569,000	0.0028%
Natural Gas	40,632	2,956,000,000	0.0014%

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

Vehicle Type	Percent of Vehicle Trips ¹	Daily Trips ²	Annual Vehicle Miles Traveled ³	Average Fuel Economy (miles per gallon) ⁴	Total Annual Fuel Consumption (gallons) ⁵
Passenger Cars	0.62	--	8366347.46	22	380,289
Light/Medium Trucks	0.31	--	4160699.37	17.3	240,503
Heavy Trucks/Other	0.07	--	942751.16	6.4	147,305
<i>TOTAL</i>⁶	<i>1.00</i>	--	<i>13,469,798</i>	--	<i>768,096</i>
Notes: 1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model. 2. Daily Trips calculated by multiplying the total daily trips by percent vehicle trips (i.e., Daily Trips x percent of Vehicle Trips). 3. Daily Vehicle Miles Traveled (VMT) calculated by multiplying percent vehicle trips by total VMT (i.e., VMT x percent of Vehicle Trips). 4. Average fuel economy derived from the Department of Transportation. 5. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy). 6. Values may be slightly off due to rounding.					
Source: Refer to CalEEMod outputs for assumptions used in this analysis.					

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Site Preparation	Rubber Tired Dozers	3	8	247	0.40	3.952	24	77	7303.296
	Tractors/Loaders/Backhoes	4	8	97	0.37	1.4356	32	77	3537.3184
Grading - Earthwork	Excavators	2	8.00	158	0.38	2.4016	16	187	7185.5872
	Graders	1	8.00	187	0.41	3.0668	8	187	4587.9328
	Rubber Tired Dozers	1	8.00	247	0.40	3.952	8	187	5912.192
	Scrapers	2	8.00	367	0.48	7.0464	16	187	21082.8288
	Tractors/Loaders/Backhoes	2	8.00	97	0.37	1.4356	16	187	4295.3152
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37	1.4356	16	132	3031.9872
	Trenchers	2	8.00	78	0.50	1.56	16	132	3294.72
Paving	Pavers	2	8.00	130	0.42	2.184	16	132	4612.608
	Paving Equipment	2	8.00	132	0.36	1.9008	16	132	4014.4896
	Rollers	2	8.00	80	0.38	1.216	16	132	2568.192
Building Construction	Cranes	1	7.00	231	0.29	2.6796	7	792	14855.7024
	Forklifts	3	8.00	89	0.20	0.712	24	792	13533.696
	Generator Sets	1	8.00	84	0.74	2.4864	8	792	15753.8304
	Tractors/Loaders/Backhoes	3	7.00	97	0.37	1.4356	21	792	23876.8992
	Welders	1	8.00	46	0.45	0.828	8	792	5246.208
Architectural Coating	Air Compressors	1	6.00	78	0.48	1.4976	6	396	3558.2976

Total:	164,058
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Notes:

$$\text{Fuel Consumption Rate} = \text{Horsepower} \times \text{Load Factor} \times \text{Fuel Consumption Factor}$$

Where:

Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

Worker Trips						
Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Site Preparation	77	18	14.7	264.6	24.90284233	10.62529315
Grading - Earthwork	187	20	14.7	294		11.80588128
Trenching	132	10	14.7	147		5.902940639
Paving	132	15	14.7	220.5		8.854410959
Building Construction	792	303	14.7	4454.1		178.8591014
Architectural Coating	396	61	14.7	896.7		36.0079379
						252.0555653
VENDOR TRIPS						
Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Site Preparation	77	0	6.9	0	8.343886151	0
Grading - Earthwork	187	0	6.9	0		0
Trenching	132	0	6.9	0		0
Paving	132	0	6.9	0		0
Building Construction	792	63	6.9	434.7		52.09802628
Architectural Coating	396	0	6.9	0		0
						52.09802628
HAULING TRIPS						
Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day) ¹	Total Fuel Consumption
Site Preparation	77	0	20	0	8.343886151	0
Grading - Earthwork	187	258708	0.5	129354		15502.84815
Trenching	132	0	20	0		0
Paving	132	0	20	0		0
Building Construction	792	0	20	0		0
Architectural Coating	396	0	20	0		0
						15502.84815
TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION						15,807.00

Notes:

1. The project would be required to use Medium Duty trucks for all soil hauling.

