



APPENDIX E

Air Quality/Greenhouse Gas Emissions Data

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Annual

Duarte Station Specific Plan - Existing Conditions
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	313.95	1000sqft	19.08	313,955.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	530.76	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Annual

Project Characteristics - Modeler Name: Phil Gleason. GHG Intensity Factors updated to account for Southern California Edison's compliance with state-wide RPS mandates.

Land Use - Lot acreage updated to reflect size of Planning Area.

Construction Phase - Existing conditions run. No construction.

Off-road Equipment - No construction equipment.

Off-road Equipment - No construction equipment.

Off-road Equipment - No construction equipment.

Off-road Equipment - No construction equipment.

Off-road Equipment - No construction equipment.

Off-road Equipment - No construction equipment.

Vehicle Trips - Existing trip gen - 1,248 daily trips / 313.95k square feet (sqft) = 3.98 trips per 1k sqft. Sat and Sun trip gen scaled based on differences in weekday trip gen (58.27%)

Energy Use - T24 standards adjusted upwards to reflect decreased efficiency between 2013-2016 standards. See CalEEMod Appendix E5, Table 1.

Area Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.77	3.86
tblEnergyUse	T24E	4.60	4.81

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tblGrading	AcresOfGrading	0.00	75.00
tblLandUse	LandUseSquareFeet	313,950.00	313,955.00
tblLandUse	LotAcreage	7.21	19.08
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	530.76
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblTripsAndVMT	WorkerTripNumber	0.00	18.00

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tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleTrips	ST_TR	2.49	1.45
tblVehicleTrips	SU_TR	0.73	0.43
tblVehicleTrips	WD_TR	6.83	3.98

2.0 Emissions Summary

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.2076	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.7900e-003	7.7900e-003	2.0000e-005	0.0000	8.3200e-003
Energy	0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	1,178.7937	1,178.7937	0.0658	0.0108	1,183.6470
Mobile	0.4188	2.2090	6.1563	0.0191	1.4746	0.0223	1.4968	0.3953	0.0209	0.4163	0.0000	1,760.4233	1,760.4233	0.1019	0.0000	1,762.9696
Waste						0.0000	0.0000		0.0000	0.0000	79.0244	0.0000	79.0244	4.6702	0.0000	195.7796
Water						0.0000	0.0000		0.0000	0.0000	23.0329	227.5886	250.6215	2.3799	0.0576	327.2751
Total	1.6441	2.3693	6.2949	0.0201	1.4746	0.0345	1.5090	0.3953	0.0331	0.4285	102.0573	3,166.8133	3,268.8707	7.2177	0.0683	3,469.6795

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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	1.2076	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.7900e-003	7.7900e-003	2.0000e-005	0.0000	8.3200e-003
Energy	0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	1,178.7937	1,178.7937	0.0658	0.0108	1,183.6470
Mobile	0.4188	2.2090	6.1563	0.0191	1.4746	0.0223	1.4968	0.3953	0.0209	0.4163	0.0000	1,760.4233	1,760.4233	0.1019	0.0000	1,762.9696
Waste						0.0000	0.0000		0.0000	0.0000	79.0244	0.0000	79.0244	4.6702	0.0000	195.7796
Water						0.0000	0.0000		0.0000	0.0000	23.0329	227.5886	250.6215	2.3799	0.0576	327.2751
Total	1.6441	2.3693	6.2949	0.0201	1.4746	0.0345	1.5090	0.3953	0.0331	0.4285	102.0573	3,166.8133	3,268.8707	7.2177	0.0683	3,469.6795

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	12/31/2015	5	0	
2	Site Preparation	Site Preparation	1/29/2016	1/28/2016	5	0	
3	Grading	Grading	2/12/2016	2/11/2016	5	0	
4	Building Construction	Building Construction	3/25/2016	3/24/2016	5	0	
5	Paving	Paving	5/19/2017	5/18/2017	5	0	
6	Architectural Coating	Architectural Coating	6/16/2017	6/15/2017	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 470,933; Non-Residential Outdoor: 156,978; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

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3.7 Architectural Coating - 2017

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 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	0.4188	2.2090	6.1563	0.0191	1.4746	0.0223	1.4968	0.3953	0.0209	0.4163	0.0000	1,760.423 3	1,760.423 3	0.1019	0.0000	1,762.969 6
Unmitigated	0.4188	2.2090	6.1563	0.0191	1.4746	0.0223	1.4968	0.3953	0.0209	0.4163	0.0000	1,760.423 3	1,760.423 3	0.1019	0.0000	1,762.969 6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	1,249.52	455.23	135.00	3,884,754	3,884,754
Total	1,249.52	455.23	135.00	3,884,754	3,884,754

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

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5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,004.3862	1,004.3862	0.0625	7.5700e-003	1,008.2031
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,004.3862	1,004.3862	0.0625	7.5700e-003	1,008.2031
NaturalGas Mitigated	0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	174.4074	174.4074	3.3400e-003	3.2000e-003	175.4438
NaturalGas Unmitigated	0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	174.4074	174.4074	3.3400e-003	3.2000e-003	175.4438

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					
Industrial Park	3.26827e+006	0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	174.4074	174.4074	3.3400e-003	3.2000e-003	175.4438
Total		0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	174.4074	174.4074	3.3400e-003	3.2000e-003	175.4438

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5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Industrial Park	3.26827e+006	0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	174.4074	174.4074	3.3400e-003	3.2000e-003	175.4438
Total		0.0176	0.1602	0.1346	9.6000e-004		0.0122	0.0122		0.0122	0.0122	0.0000	174.4074	174.4074	3.3400e-003	3.2000e-003	175.4438

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Industrial Park	4.17193e+006	1,004.3862	0.0625	7.5700e-003	1,008.2031
Total		1,004.3862	0.0625	7.5700e-003	1,008.2031

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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			
Industrial Park	4.17193e+006	1,004.3862	0.0625	7.5700e-003	1,008.2031
Total		1,004.3862	0.0625	7.5700e-003	1,008.2031

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.2076	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.7900e-003	7.7900e-003	2.0000e-005	0.0000	8.3200e-003
Unmitigated	1.2076	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.7900e-003	7.7900e-003	2.0000e-005	0.0000	8.3200e-003

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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	0.0728					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1345					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.7900e-003	7.7900e-003	2.0000e-005	0.0000	8.3200e-003
Total	1.2076	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.7900e-003	7.7900e-003	2.0000e-005	0.0000	8.3200e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0728					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1345					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.7900e-003	7.7900e-003	2.0000e-005	0.0000	8.3200e-003
Total	1.2076	4.0000e-005	4.0500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	7.7900e-003	7.7900e-003	2.0000e-005	0.0000	8.3200e-003

7.0 Water Detail

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	250.6215	2.3799	0.0576	327.2751
Unmitigated	250.6215	2.3799	0.0576	327.2751

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	72.6009 / 0	250.6215	2.3799	0.0576	327.2751
Total		250.6215	2.3799	0.0576	327.2751

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Industrial Park	72.6009 / 0	250.6215	2.3799	0.0576	327.2751
Total		250.6215	2.3799	0.0576	327.2751

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	79.0244	4.6702	0.0000	195.7796
Unmitigated	79.0244	4.6702	0.0000	195.7796

Duarte Station Specific Plan - Existing Conditions - 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			
Industrial Park	389.3	79.0244	4.6702	0.0000	195.7796
Total		79.0244	4.6702	0.0000	195.7796

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Industrial Park	389.3	79.0244	4.6702	0.0000	195.7796
Total		79.0244	4.6702	0.0000	195.7796

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Summer

Duarte Station Specific Plan - Existing Conditions
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	313.95	1000sqft	19.08	313,955.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	530.76	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Summer

Project Characteristics - Modeler Name: Phil Gleason. GHG Intensity Factors updated to account for Southern California Edison's compliance with state-wide RPS mandates.

Land Use - Lot acreage updated to reflect size of Planning Area.

Construction Phase - Existing conditions run. No construction.

Off-road Equipment - No construction equipment.

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Vehicle Trips - Existing trip gen - 1,248 daily trips / 313.95k square feet (sqft) = 3.98 trips per 1k sqft. Sat and Sun trip gen scaled based on differences in weekday trip gen (58.27%)

Energy Use - T24 standards adjusted upwards to reflect decreased efficiency between 2013-2016 standards. See CalEEMod Appendix E5, Table 1.

Area Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.77	3.86
tblEnergyUse	T24E	4.60	4.81

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Summer

tblGrading	AcresOfGrading	0.00	75.00
tblLandUse	LandUseSquareFeet	313,950.00	313,955.00
tblLandUse	LotAcreage	7.21	19.08
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	530.76
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblTripsAndVMT	WorkerTripNumber	0.00	18.00

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Summer

tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleTrips	ST_TR	2.49	1.45
tblVehicleTrips	SU_TR	0.73	0.43
tblVehicleTrips	WD_TR	6.83	3.98

2.0 Emissions Summary

Duarte Station Specific Plan - Existing Conditions - 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	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734
Energy	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916
Mobile	3.0841	14.7462	45.0383	0.1394	10.5677	0.1563	10.7240	2.8286	0.1469	2.9756		14,140.9791	14,140.9791	0.7975		14,160.9158
Total	9.7988	15.6243	45.8081	0.1446	10.5677	0.2232	10.7908	2.8286	0.2138	3.0424		15,194.4794	15,194.4794	0.8179	0.0193	15,220.6807

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	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734
Energy	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916
Mobile	3.0841	14.7462	45.0383	0.1394	10.5677	0.1563	10.7240	2.8286	0.1469	2.9756		14,140.9791	14,140.9791	0.7975		14,160.9158
Total	9.7988	15.6243	45.8081	0.1446	10.5677	0.2232	10.7908	2.8286	0.2138	3.0424		15,194.4794	15,194.4794	0.8179	0.0193	15,220.6807

Duarte Station Specific Plan - Existing Conditions - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	12/31/2015	5	0	
2	Site Preparation	Site Preparation	1/29/2016	1/28/2016	5	0	
3	Grading	Grading	2/12/2016	2/11/2016	5	0	
4	Building Construction	Building Construction	3/25/2016	3/24/2016	5	0	
5	Paving	Paving	5/19/2017	5/18/2017	5	0	
6	Architectural Coating	Architectural Coating	6/16/2017	6/15/2017	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 470,933; Non-Residential Outdoor: 156,978; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2017

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	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan - Existing Conditions - 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	3.0841	14.7462	45.0383	0.1394	10.5677	0.1563	10.7240	2.8286	0.1469	2.9756		14,140.9791	14,140.9791	0.7975		14,160.9158
Unmitigated	3.0841	14.7462	45.0383	0.1394	10.5677	0.1563	10.7240	2.8286	0.1469	2.9756		14,140.9791	14,140.9791	0.7975		14,160.9158

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	1,249.52	455.23	135.00	3,884,754	3,884,754
Total	1,249.52	455.23	135.00	3,884,754	3,884,754

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916
NaturalGas Unmitigated	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916

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					
Industrial Park	8954.17	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916
Total		0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	8.95417	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916
Total		0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734
Unmitigated	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Summer

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	0.3987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0700e-003	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734
Total	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734

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	0.3987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0700e-003	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734
Total	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734

7.0 Water Detail

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Winter

Duarte Station Specific Plan - Existing Conditions
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Industrial Park	313.95	1000sqft	19.08	313,955.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2019
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	530.76	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Winter

Project Characteristics - Modeler Name: Phil Gleason. GHG Intensity Factors updated to account for Southern California Edison's compliance with state-wide RPS mandates.

Land Use - Lot acreage updated to reflect size of Planning Area.

Construction Phase - Existing conditions run. No construction.

Off-road Equipment - No construction equipment.

Off-road Equipment - No construction equipment.

Off-road Equipment - No construction equipment.

Off-road Equipment - No construction equipment.

Off-road Equipment - No construction equipment.

Off-road Equipment - No construction equipment.

Vehicle Trips - Existing trip gen - 1,248 daily trips / 313.95k square feet (sqft) = 3.98 trips per 1k sqft. Sat and Sun trip gen scaled based on differences in weekday trip gen (58.27%)

Energy Use - T24 standards adjusted upwards to reflect decreased efficiency between 2013-2016 standards. See CalEEMod Appendix E5, Table 1.

Area Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblEnergyUse	LightingElect	3.77	3.86
tblEnergyUse	T24E	4.60	4.81

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Winter

tblGrading	AcresOfGrading	0.00	75.00
tblLandUse	LandUseSquareFeet	313,950.00	313,955.00
tblLandUse	LotAcreage	7.21	19.08
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
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tblProjectCharacteristics	CO2IntensityFactor	702.44	530.76
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblTripsAndVMT	WorkerTripNumber	0.00	18.00

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Winter

tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	15.00
tblVehicleTrips	ST_TR	2.49	1.45
tblVehicleTrips	SU_TR	0.73	0.43
tblVehicleTrips	WD_TR	6.83	3.98

2.0 Emissions Summary

Duarte Station Specific Plan - Existing Conditions - 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	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734
Energy	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916
Mobile	3.0069	15.2322	42.5998	0.1325	10.5677	0.1572	10.7248	2.8286	0.1477	2.9764		13,454.1095	13,454.1095	0.7902		13,473.8651
Total	9.7216	16.1103	43.3696	0.1378	10.5677	0.2240	10.7917	2.8286	0.2146	3.0432		14,507.6098	14,507.6098	0.8106	0.0193	14,533.6300

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	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734
Energy	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916
Mobile	3.0069	15.2322	42.5998	0.1325	10.5677	0.1572	10.7248	2.8286	0.1477	2.9764		13,454.1095	13,454.1095	0.7902		13,473.8651
Total	9.7216	16.1103	43.3696	0.1378	10.5677	0.2240	10.7917	2.8286	0.2146	3.0432		14,507.6098	14,507.6098	0.8106	0.0193	14,533.6300

Duarte Station Specific Plan - Existing Conditions - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2016	12/31/2015	5	0	
2	Site Preparation	Site Preparation	1/29/2016	1/28/2016	5	0	
3	Grading	Grading	2/12/2016	2/11/2016	5	0	
4	Building Construction	Building Construction	3/25/2016	3/24/2016	5	0	
5	Paving	Paving	5/19/2017	5/18/2017	5	0	
6	Architectural Coating	Architectural Coating	6/16/2017	6/15/2017	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 470,933; Non-Residential Outdoor: 156,978; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2017

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	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan - Existing Conditions - 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	3.0069	15.2322	42.5998	0.1325	10.5677	0.1572	10.7248	2.8286	0.1477	2.9764		13,454.10 95	13,454.10 95	0.7902		13,473.86 51
Unmitigated	3.0069	15.2322	42.5998	0.1325	10.5677	0.1572	10.7248	2.8286	0.1477	2.9764		13,454.10 95	13,454.10 95	0.7902		13,473.86 51

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Industrial Park	1,249.52	455.23	135.00	3,884,754	3,884,754
Total	1,249.52	455.23	135.00	3,884,754	3,884,754

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Industrial Park	0.548007	0.045751	0.200309	0.124119	0.017133	0.006025	0.018861	0.028423	0.002391	0.002469	0.004915	0.000672	0.000925

5.0 Energy Detail

Historical Energy Use: N

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916
NaturalGas Unmitigated	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916

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					
Industrial Park	8954.17	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916
Total		0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Industrial Park	8.95417	0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916
Total		0.0966	0.8779	0.7374	5.2700e-003		0.0667	0.0667		0.0667	0.0667		1,053.4316	1,053.4316	0.0202	0.0193	1,059.6916

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734
Unmitigated	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Winter

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	0.3987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0700e-003	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734
Total	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734

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	0.3987					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2163					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.0700e-003	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734
Total	6.6181	3.0000e-004	0.0324	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004		0.0687	0.0687	1.9000e-004		0.0734

7.0 Water Detail

Duarte Station Specific Plan - Existing Conditions - Los Angeles-South Coast County, Winter

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Annual

Duarte Station Specific Plan - Phase 1 (Construction Run)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	700.00	Dwelling Unit	7.20	489,298.00	2002
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Res A-257,248sf (3.6ac); B-196,900sf (2.85ac); Interger: 44,150sf res (0.75ac over restaurant) | Interger-restaurant: 6,250sf (0.14ac) | Park A&B 1,082 space (1.27); Interger 226 space (0.51ac)

Grading - Export 2,045 | Import 6,820

Demolition - Parcel 8528-011-925 (114,599sf)

Architectural Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblGrading	MaterialExported	0.00	2,045.00
tblGrading	MaterialImported	0.00	6,820.00
tblLandUse	LandUseSquareFeet	700,000.00	489,298.00
tblLandUse	LotAcreage	18.42	7.20
tblLandUse	LotAcreage	12.13	1.78

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	1.2324	1.2324
2	4-1-2020	6-30-2020	1.4660	1.4660
3	7-1-2020	9-30-2020	1.4821	1.4821
4	10-1-2020	12-31-2020	1.5035	1.5035
5	1-1-2021	3-31-2021	2.1791	2.1791
		Highest	2.1791	2.1791

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	4.4999	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922
Energy	0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	2,574.9086	2,574.9086	0.0935	0.0277	2,585.4859
Mobile	1.3163	6.2306	17.4201	0.0705	6.3273	0.0539	6.3812	1.6957	0.0501	1.7457	0.0000	6,526.8426	6,526.8426	0.3054	0.0000	6,534.4774
Waste						0.0000	0.0000		0.0000	0.0000	80.4616	0.0000	80.4616	4.7551	0.0000	199.3401
Water						0.0000	0.0000		0.0000	0.0000	15.0711	299.2970	314.3681	1.5603	0.0391	365.0295
Total	5.8745	6.9981	29.3425	0.0854	6.3273	0.8027	7.1300	1.6957	0.7989	2.4945	169.8860	9,555.7552	9,725.6413	6.9475	0.0718	9,920.7252

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4999	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922
Energy	0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	2,574.9086	2,574.9086	0.0935	0.0277	2,585.4859
Mobile	1.3163	6.2306	17.4201	0.0705	6.3273	0.0539	6.3812	1.6957	0.0501	1.7457	0.0000	6,526.8426	6,526.8426	0.3054	0.0000	6,534.4774
Waste						0.0000	0.0000		0.0000	0.0000	80.4616	0.0000	80.4616	4.7551	0.0000	199.3401
Water						0.0000	0.0000		0.0000	0.0000	15.0711	299.2970	314.3681	1.5603	0.0391	365.0295
Total	5.8745	6.9981	29.3425	0.0854	6.3273	0.8027	7.1300	1.6957	0.7989	2.4945	169.8860	9,555.7552	9,725.6413	6.9475	0.0718	9,920.7252

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

3.0 Construction Detail

Construction Phase

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	2/11/2020	5	10	
3	Grading	Grading	2/12/2020	3/10/2020	5	20	
4	Building Construction	Building Construction	3/11/2020	1/26/2021	5	230	
5	Paving	Paving	1/27/2021	2/23/2021	5	20	
6	Architectural Coating	Architectural Coating	2/24/2021	3/23/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.78

Residential Indoor: 990,828; Residential Outdoor: 330,276; Non-Residential Indoor: 9,375; Non-Residential Outdoor: 3,125; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Annual

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

Trips and VMT

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	733.00	164.00	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
Architectural Coating	1	147.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0564	0.0000	0.0564	8.5400e-003	0.0000	8.5400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
Total	0.0331	0.3320	0.2175	3.9000e-004	0.0564	0.0166	0.0730	8.5400e-003	0.0154	0.0240	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386

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3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
Total	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332

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					0.0220	0.0000	0.0220	3.3300e-003	0.0000	3.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
Total	0.0331	0.3320	0.2175	3.9000e-004	0.0220	0.0166	0.0386	3.3300e-003	0.0154	0.0188	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385

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3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
Total	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332

3.3 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0903	0.0110	0.1013	0.0497	0.0101	0.0598	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

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3.3 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	4.2000e-004	3.4000e-004	3.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9192	0.9192	3.0000e-005	0.0000	0.9199
Total	4.2000e-004	3.4000e-004	3.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9192	0.9192	3.0000e-005	0.0000	0.9199

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					0.0352	0.0000	0.0352	0.0194	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0352	0.0110	0.0462	0.0194	0.0101	0.0295	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

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3.3 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	4.2000e-004	3.4000e-004	3.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9192	0.9192	3.0000e-005	0.0000	0.9199
Total	4.2000e-004	3.4000e-004	3.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9192	0.9192	3.0000e-005	0.0000	0.9199

3.4 Grading - 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					0.0660	0.0000	0.0660	0.0338	0.0000	0.0338	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0588	26.0588	8.4300e-003	0.0000	26.2694
Total	0.0243	0.2639	0.1605	3.0000e-004	0.0660	0.0127	0.0788	0.0338	0.0117	0.0455	0.0000	26.0588	26.0588	8.4300e-003	0.0000	26.2694

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3.4 Grading - 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	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
Total	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332

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					0.0258	0.0000	0.0258	0.0132	0.0000	0.0132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0587	26.0587	8.4300e-003	0.0000	26.2694
Total	0.0243	0.2639	0.1605	3.0000e-004	0.0258	0.0127	0.0385	0.0132	0.0117	0.0249	0.0000	26.0587	26.0587	8.4300e-003	0.0000	26.2694

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3.4 Grading - 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	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
Total	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2247	2.0337	1.7859	2.8500e-003		0.1184	0.1184		0.1113	0.1113	0.0000	245.5066	245.5066	0.0599	0.0000	247.0040
Total	0.2247	2.0337	1.7859	2.8500e-003		0.1184	0.1184		0.1113	0.1113	0.0000	245.5066	245.5066	0.0599	0.0000	247.0040

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3.5 Building Construction - 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	0.0630	1.8838	0.5100	4.4600e-003	0.1095	8.7600e-003	0.1183	0.0316	8.3800e-003	0.0400	0.0000	431.8641	431.8641	0.0274	0.0000	432.5502
Worker	0.3587	0.2892	3.1983	8.7800e-003	0.8514	7.2600e-003	0.8587	0.2261	6.6900e-003	0.2328	0.0000	793.5690	793.5690	0.0250	0.0000	794.1942
Total	0.4217	2.1730	3.7083	0.0132	0.9609	0.0160	0.9769	0.2577	0.0151	0.2728	0.0000	1,225.4331	1,225.4331	0.0525	0.0000	1,226.7443

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	0.2247	2.0337	1.7859	2.8500e-003		0.1184	0.1184		0.1113	0.1113	0.0000	245.5063	245.5063	0.0599	0.0000	247.0037
Total	0.2247	2.0337	1.7859	2.8500e-003		0.1184	0.1184		0.1113	0.1113	0.0000	245.5063	245.5063	0.0599	0.0000	247.0037

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3.5 Building Construction - 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	0.0630	1.8838	0.5100	4.4600e-003	0.1095	8.7600e-003	0.1183	0.0316	8.3800e-003	0.0400	0.0000	431.8641	431.8641	0.0274	0.0000	432.5502
Worker	0.3587	0.2892	3.1983	8.7800e-003	0.8514	7.2600e-003	0.8587	0.2261	6.6900e-003	0.2328	0.0000	793.5690	793.5690	0.0250	0.0000	794.1942
Total	0.4217	2.1730	3.7083	0.0132	0.9609	0.0160	0.9769	0.2577	0.0151	0.2728	0.0000	1,225.4331	1,225.4331	0.0525	0.0000	1,226.7443

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0171	0.1569	0.1492	2.4000e-004		8.6300e-003	8.6300e-003		8.1100e-003	8.1100e-003	0.0000	20.8474	20.8474	5.0300e-003	0.0000	20.9731
Total	0.0171	0.1569	0.1492	2.4000e-004		8.6300e-003	8.6300e-003		8.1100e-003	8.1100e-003	0.0000	20.8474	20.8474	5.0300e-003	0.0000	20.9731

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5800e-003	0.1457	0.0395	3.8000e-004	9.3000e-003	3.0000e-004	9.5900e-003	2.6800e-003	2.8000e-004	2.9700e-003	0.0000	36.3829	36.3829	2.2300e-003	0.0000	36.4387
Worker	0.0284	0.0221	0.2495	7.2000e-004	0.0723	6.0000e-004	0.0729	0.0192	5.5000e-004	0.0198	0.0000	65.2389	65.2389	1.9200e-003	0.0000	65.2869
Total	0.0330	0.1678	0.2890	1.1000e-003	0.0816	9.0000e-004	0.0825	0.0219	8.3000e-004	0.0227	0.0000	101.6218	101.6218	4.1500e-003	0.0000	101.7255

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	0.0171	0.1569	0.1492	2.4000e-004		8.6300e-003	8.6300e-003		8.1100e-003	8.1100e-003	0.0000	20.8473	20.8473	5.0300e-003	0.0000	20.9731
Total	0.0171	0.1569	0.1492	2.4000e-004		8.6300e-003	8.6300e-003		8.1100e-003	8.1100e-003	0.0000	20.8473	20.8473	5.0300e-003	0.0000	20.9731

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5800e-003	0.1457	0.0395	3.8000e-004	9.3000e-003	3.0000e-004	9.5900e-003	2.6800e-003	2.8000e-004	2.9700e-003	0.0000	36.3829	36.3829	2.2300e-003	0.0000	36.4387
Worker	0.0284	0.0221	0.2495	7.2000e-004	0.0723	6.0000e-004	0.0729	0.0192	5.5000e-004	0.0198	0.0000	65.2389	65.2389	1.9200e-003	0.0000	65.2869
Total	0.0330	0.1678	0.2890	1.1000e-003	0.0816	9.0000e-004	0.0825	0.0219	8.3000e-004	0.0227	0.0000	101.6218	101.6218	4.1500e-003	0.0000	101.7255

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

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3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845

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	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

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3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845

3.7 Architectural Coating - 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					
Archit. Coating	1.6203					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	1.6225	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.7 Architectural Coating - 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	6.3300e-003	4.9200e-003	0.0556	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.5371	14.5371	4.3000e-004	0.0000	14.5478
Total	6.3300e-003	4.9200e-003	0.0556	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.5371	14.5371	4.3000e-004	0.0000	14.5478

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.6203					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	1.6225	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.7 Architectural Coating - 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	6.3300e-003	4.9200e-003	0.0556	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.5371	14.5371	4.3000e-004	0.0000	14.5478
Total	6.3300e-003	4.9200e-003	0.0556	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.5371	14.5371	4.3000e-004	0.0000	14.5478

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	1.3163	6.2306	17.4201	0.0705	6.3273	0.0539	6.3812	1.6957	0.0501	1.7457	0.0000	6,526.8426	6,526.8426	0.3054	0.0000	6,534.4774
Unmitigated	1.3163	6.2306	17.4201	0.0705	6.3273	0.0539	6.3812	1.6957	0.0501	1.7457	0.0000	6,526.8426	6,526.8426	0.3054	0.0000	6,534.4774

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	794.69	989.81	824.00	1,126,720	1,126,720
Total	5,449.69	5,462.81	4,926.00	16,674,761	16,674,761

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

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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
Enclosed Parking with Elevator	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
High Turnover (Sit Down Restaurant)	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,997.5352	1,997.5352	0.0825	0.0171	2,004.6815
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,997.5352	1,997.5352	0.0825	0.0171	2,004.6815
NaturalGas Mitigated	0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	577.3734	577.3734	0.0111	0.0106	580.8045
NaturalGas Unmitigated	0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	577.3734	577.3734	0.0111	0.0106	580.8045

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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	9.37732e+006	0.0506	0.4321	0.1839	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.4095	500.4095	9.5900e-003	9.1700e-003	503.3831
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.44225e+006	7.7800e-003	0.0707	0.0594	4.2000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003	0.0000	76.9640	76.9640	1.4800e-003	1.4100e-003	77.4213
Total		0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	577.3734	577.3734	0.0111	0.0106	580.8045

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	9.37732e+006	0.0506	0.4321	0.1839	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.4095	500.4095	9.5900e-003	9.1700e-003	503.3831
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.44225e+006	7.7800e-003	0.0707	0.0594	4.2000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003	0.0000	76.9640	76.9640	1.4800e-003	1.4100e-003	77.4213
Total		0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	577.3734	577.3734	0.0111	0.0106	580.8045

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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	2.83372e+006	902.8836	0.0373	7.7100e-003	906.1137
Enclosed Parking with Elevator	3.15971e+006	1,006.7519	0.0416	8.6000e-003	1,010.3536
High Turnover (Sit Down Restaurant)	275875	87.8997	3.6300e-003	7.5000e-004	88.2142
Total		1,997.5352	0.0825	0.0171	2,004.6815

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.83372e+006	902.8836	0.0373	7.7100e-003	906.1137
Enclosed Parking with Elevator	3.15971e+006	1,006.7519	0.0416	8.6000e-003	1,010.3536
High Turnover (Sit Down Restaurant)	275875	87.8997	3.6300e-003	7.5000e-004	88.2142
Total		1,997.5352	0.0825	0.0171	2,004.6815

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.4999	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922
Unmitigated	4.4999	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922

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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	0.1635					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.2928	0.1816	4.4498	0.0114		0.6684	0.6684		0.6684	0.6684	74.3534	142.8816	217.2349	0.2217	5.0500e-003	224.2822
Landscaping	0.2181	0.0832	7.2293	3.8000e-004		0.0401	0.0401		0.0401	0.0401	0.0000	11.8255	11.8255	0.0114	0.0000	12.1100
Total	4.5000	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922

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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	0.1635					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.2928	0.1816	4.4498	0.0114		0.6684	0.6684		0.6684	0.6684	74.3534	142.8816	217.2349	0.2217	5.0500e-003	224.2822
Landscaping	0.2181	0.0832	7.2293	3.8000e-004		0.0401	0.0401		0.0401	0.0401	0.0000	11.8255	11.8255	0.0114	0.0000	12.1100
Total	4.5000	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	314.3681	1.5603	0.0391	365.0295
Unmitigated	314.3681	1.5603	0.0391	365.0295

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	45.6078 / 28.7528	305.4670	1.4982	0.0376	354.1184
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.89709 / 0.121091	8.9011	0.0622	1.5300e-003	10.9112
Total		314.3681	1.5603	0.0391	365.0295

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	45.6078 / 28.7528	305.4670	1.4982	0.0376	354.1184
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.89709 / 0.121091	8.9011	0.0622	1.5300e-003	10.9112
Total		314.3681	1.5603	0.0391	365.0295

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	80.4616	4.7551	0.0000	199.3401
Unmitigated	80.4616	4.7551	0.0000	199.3401

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	322	65.3631	3.8629	0.0000	161.9343
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	74.38	15.0985	0.8923	0.0000	37.4058
Total		80.4616	4.7551	0.0000	199.3401

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	322	65.3631	3.8629	0.0000	161.9343
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	74.38	15.0985	0.8923	0.0000	37.4058
Total		80.4616	4.7551	0.0000	199.3401

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

Duarte Station Specific Plan - Phase 1 (Construction Run)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	700.00	Dwelling Unit	7.20	489,298.00	2002
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Res A-257,248sf (3.6ac); B-196,900sf (2.85ac); Interger: 44,150sf res (0.75ac over restaurant) | Interger-restaurant: 6,250sf (0.14ac) | Park A&B 1,082 space (1.27); Interger 226 space (0.51ac)

Grading - Export 2,045 | Import 6,820

Demolition - Parcel 8528-011-925 (114,599sf)

Architectural Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblGrading	MaterialExported	0.00	2,045.00
tblGrading	MaterialImported	0.00	6,820.00
tblLandUse	LandUseSquareFeet	700,000.00	489,298.00
tblLandUse	LotAcreage	18.42	7.20
tblLandUse	LotAcreage	12.13	1.78

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 1 (Construction Run) - 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	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Energy	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
Mobile	7.9845	34.3889	103.1114	0.4155	36.6852	0.3067	36.9918	9.8154	0.2849	10.1003		42,389.3660	42,389.3660	1.9289		42,437.5881
Total	204.3730	52.3336	518.2646	1.3441	36.6852	54.3200	91.0051	9.8154	54.2982	64.1136	6,556.8429	58,581.0201	65,137.8630	21.6499	0.5090	65,830.7814

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	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Energy	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
Mobile	7.9845	34.3889	103.1114	0.4155	36.6852	0.3067	36.9918	9.8154	0.2849	10.1003		42,389.3660	42,389.3660	1.9289		42,437.5881
Total	204.3730	52.3336	518.2646	1.3441	36.6852	54.3200	91.0051	9.8154	54.2982	64.1136	6,556.8429	58,581.0201	65,137.8630	21.6499	0.5090	65,830.7814

Duarte Station Specific Plan - Phase 1 (Construction Run) - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	2/11/2020	5	10	
3	Grading	Grading	2/12/2020	3/10/2020	5	20	
4	Building Construction	Building Construction	3/11/2020	1/26/2021	5	230	
5	Paving	Paving	1/27/2021	2/23/2021	5	20	
6	Architectural Coating	Architectural Coating	2/24/2021	3/23/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.78

Residential Indoor: 990,828; Residential Outdoor: 330,276; Non-Residential Indoor: 9,375; Non-Residential Outdoor: 3,125; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

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

Trips and VMT

Duarte Station Specific Plan - Phase 1 (Construction Run) - 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
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	733.00	164.00	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
Architectural Coating	1	147.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.6403	0.0000	5.6403	0.8540	0.0000	0.8540			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	5.6403	1.6587	7.2990	0.8540	1.5419	2.3958		3,747.7049	3,747.7049	1.0580		3,774.1536

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1997	0.0000	2.1997	0.3331	0.0000	0.3331			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.1997	1.6587	3.8584	0.3331	1.5419	1.8749	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

3.3 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

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.3 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			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	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.3 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	0.2012	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

3.4 Grading - 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					6.6025	0.0000	6.6025	3.3751	0.0000	3.3751			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.6025	1.2734	7.8759	3.3751	1.1716	4.5466		2,872.4851	2,872.4851	0.9290		2,895.7106

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5750	0.0000	2.5750	1.3163	0.0000	1.3163			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	2.5750	1.2734	3.8484	1.3163	1.1716	2.4878	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

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

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 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	0.5833	17.4451	4.5708	0.0425	1.0499	0.0821	1.1320	0.3023	0.0785	0.3808		4,543.2050	4,543.2050	0.2772		4,550.1360
Worker	3.3733	2.3998	32.0940	0.0866	8.1932	0.0685	8.2617	2.1729	0.0631	2.2360		8,620.9074	8,620.9074	0.2718		8,627.7023
Total	3.9566	19.8449	36.6648	0.1291	9.2431	0.1506	9.3937	2.4752	0.1416	2.6168		13,164.1124	13,164.1124	0.5490		13,177.8383

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 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	0.5833	17.4451	4.5708	0.0425	1.0499	0.0821	1.1320	0.3023	0.0785	0.3808		4,543.2050	4,543.2050	0.2772		4,550.1360
Worker	3.3733	2.3998	32.0940	0.0866	8.1932	0.0685	8.2617	2.1729	0.0631	2.2360		8,620.9074	8,620.9074	0.2718		8,627.7023
Total	3.9566	19.8449	36.6648	0.1291	9.2431	0.1506	9.3937	2.4752	0.1416	2.6168		13,164.1124	13,164.1124	0.5490		13,177.8383

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.4985	15.9227	4.1626	0.0422	1.0500	0.0326	1.0825	0.3023	0.0311	0.3334		4,508.0423	4,508.0423	0.2656		4,514.6819
Worker	3.1421	2.1597	29.5233	0.0838	8.1932	0.0662	8.2594	2.1729	0.0610	2.2339		8,347.1830	8,347.1830	0.2460		8,353.3318
Total	3.6406	18.0824	33.6859	0.1260	9.2432	0.0988	9.3419	2.4752	0.0921	2.5673		12,855.2254	12,855.2254	0.5115		12,868.0136

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.4985	15.9227	4.1626	0.0422	1.0500	0.0326	1.0825	0.3023	0.0311	0.3334		4,508.0423	4,508.0423	0.2656		4,514.6819
Worker	3.1421	2.1597	29.5233	0.0838	8.1932	0.0662	8.2594	2.1729	0.0610	2.2339		8,347.1830	8,347.1830	0.2460		8,353.3318
Total	3.6406	18.0824	33.6859	0.1260	9.2432	0.0988	9.3419	2.4752	0.0921	2.5673		12,855.2254	12,855.2254	0.5115		12,868.0136

3.6 Paving - 2021

Unmitigated Construction On-Site

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

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.6 Paving - 2021

Unmitigated Construction Off-Site

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

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.6 Paving - 2021

Mitigated Construction Off-Site

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

3.7 Architectural Coating - 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					
Archit. Coating	162.0289					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	162.2478	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 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	0.6301	0.4331	5.9208	0.0168	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,673.9917	1,673.9917	0.0493		1,675.2248
Total	0.6301	0.4331	5.9208	0.0168	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,673.9917	1,673.9917	0.0493		1,675.2248

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	162.0289					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	162.2478	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 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	0.6301	0.4331	5.9208	0.0168	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,673.9917	1,673.9917	0.0493		1,675.2248
Total	0.6301	0.4331	5.9208	0.0168	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,673.9917	1,673.9917	0.0493		1,675.2248

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan - Phase 1 (Construction Run) - 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	7.9845	34.3889	103.1114	0.4155	36.6852	0.3067	36.9918	9.8154	0.2849	10.1003		42,389.3660	42,389.3660	1.9289		42,437.5881
Unmitigated	7.9845	34.3889	103.1114	0.4155	36.6852	0.3067	36.9918	9.8154	0.2849	10.1003		42,389.3660	42,389.3660	1.9289		42,437.5881

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	794.69	989.81	824.00	1,126,720	1,126,720
Total	5,449.69	5,462.81	4,926.00	16,674,761	16,674,761

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

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
Enclosed Parking with Elevator	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
High Turnover (Sit Down Restaurant)	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
NaturalGas Unmitigated	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	25691.3	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3951.37	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Total		0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	25.6913	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.95137	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Total		0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

6.0 Area Detail

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Unmitigated	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

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	0.8958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0028					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7450	0.6658	57.8341	3.0600e-003		0.3206	0.3206		0.3206	0.3206		104.2830	104.2830	0.1004		106.7918
Total	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

Duarte Station Specific Plan - Phase 1 (Construction Run) - 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	0.8958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0028					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7450	0.6658	57.8341	3.0600e-003		0.3206	0.3206		0.3206	0.3206		104.2830	104.2830	0.1004		106.7918
Total	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Summer

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

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

Duarte Station Specific Plan - Phase 1 (Construction Run)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	700.00	Dwelling Unit	7.20	489,298.00	2002
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Res A-257,248sf (3.6ac); B-196,900sf (2.85ac); Interger: 44,150sf res (0.75ac over restaurant) | Interger-restaurant: 6,250sf (0.14ac) | Park A&B 1,082 space (1.27); Interger 226 space (0.51ac)

Grading - Export 2,045 | Import 6,820

Demolition - Parcel 8528-011-925 (114,599sf)

Architectural Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblGrading	MaterialExported	0.00	2,045.00
tblGrading	MaterialImported	0.00	6,820.00
tblLandUse	LandUseSquareFeet	700,000.00	489,298.00
tblLandUse	LotAcreage	18.42	7.20
tblLandUse	LotAcreage	12.13	1.78

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 1 (Construction Run) - 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	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Energy	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
Mobile	7.7295	35.0896	97.9055	0.3955	36.6852	0.3079	36.9930	9.8154	0.2860	10.1015		40,373.3970	40,373.3970	1.9274		40,421.5826
Total	204.1180	53.0342	513.0587	1.3241	36.6852	54.3212	91.0064	9.8154	54.2994	64.1148	6,556.8429	56,565.0511	63,121.8940	21.6484	0.5090	63,814.7759

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	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Energy	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
Mobile	7.7295	35.0896	97.9055	0.3955	36.6852	0.3079	36.9930	9.8154	0.2860	10.1015		40,373.3970	40,373.3970	1.9274		40,421.5826
Total	204.1180	53.0342	513.0587	1.3241	36.6852	54.3212	91.0064	9.8154	54.2994	64.1148	6,556.8429	56,565.0511	63,121.8940	21.6484	0.5090	63,814.7759

Duarte Station Specific Plan - Phase 1 (Construction Run) - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	2/11/2020	5	10	
3	Grading	Grading	2/12/2020	3/10/2020	5	20	
4	Building Construction	Building Construction	3/11/2020	1/26/2021	5	230	
5	Paving	Paving	1/27/2021	2/23/2021	5	20	
6	Architectural Coating	Architectural Coating	2/24/2021	3/23/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.78

Residential Indoor: 990,828; Residential Outdoor: 330,276; Non-Residential Indoor: 9,375; Non-Residential Outdoor: 3,125; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

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

Trips and VMT

Duarte Station Specific Plan - Phase 1 (Construction Run) - 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
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	733.00	164.00	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
Architectural Coating	1	147.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.6403	0.0000	5.6403	0.8540	0.0000	0.8540			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	5.6403	1.6587	7.2990	0.8540	1.5419	2.3958		3,747.7049	3,747.7049	1.0580		3,774.1536

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1997	0.0000	2.1997	0.3331	0.0000	0.3331			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.1997	1.6587	3.8584	0.3331	1.5419	1.8749	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

3.3 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

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.3 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			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	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.3 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	0.2012	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

3.4 Grading - 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					6.6025	0.0000	6.6025	3.3751	0.0000	3.3751			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.6025	1.2734	7.8759	3.3751	1.1716	4.5466		2,872.4851	2,872.4851	0.9290		2,895.7106

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5750	0.0000	2.5750	1.3163	0.0000	1.3163			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	2.5750	1.2734	3.8484	1.3163	1.1716	2.4878	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

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

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 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	0.6098	17.4415	5.0411	0.0414	1.0499	0.0834	1.1333	0.3023	0.0798	0.3821		4,418.9647	4,418.9647	0.2955		4,426.3520
Worker	3.7458	2.6569	29.3941	0.0815	8.1932	0.0685	8.2617	2.1729	0.0631	2.2360		8,117.3914	8,117.3914	0.2559		8,123.7878
Total	4.3556	20.0984	34.4352	0.1229	9.2431	0.1519	9.3950	2.4752	0.1429	2.6181		12,536.3561	12,536.3561	0.5513		12,550.1397

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 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	0.6098	17.4415	5.0411	0.0414	1.0499	0.0834	1.1333	0.3023	0.0798	0.3821		4,418.9647	4,418.9647	0.2955		4,426.3520
Worker	3.7458	2.6569	29.3941	0.0815	8.1932	0.0685	8.2617	2.1729	0.0631	2.2360		8,117.3914	8,117.3914	0.2559		8,123.7878
Total	4.3556	20.0984	34.4352	0.1229	9.2431	0.1519	9.3950	2.4752	0.1429	2.6181		12,536.3561	12,536.3561	0.5513		12,550.1397

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.5233	15.8898	4.6046	0.0410	1.0500	0.0336	1.0836	0.3023	0.0321	0.3344		4,384.4666	4,384.4666	0.2831		4,391.5428
Worker	3.4951	2.3907	26.9931	0.0789	8.1932	0.0662	8.2594	2.1729	0.0610	2.2339		7,859.6005	7,859.6005	0.2313		7,865.3825
Total	4.0184	18.2804	31.5978	0.1199	9.2432	0.0998	9.3430	2.4752	0.0931	2.5683		12,244.0671	12,244.0671	0.5143		12,256.9252

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.5233	15.8898	4.6046	0.0410	1.0500	0.0336	1.0836	0.3023	0.0321	0.3344		4,384.4666	4,384.4666	0.2831		4,391.5428
Worker	3.4951	2.3907	26.9931	0.0789	8.1932	0.0662	8.2594	2.1729	0.0610	2.2339		7,859.6005	7,859.6005	0.2313		7,865.3825
Total	4.0184	18.2804	31.5978	0.1199	9.2432	0.0998	9.3430	2.4752	0.0931	2.5683		12,244.0671	12,244.0671	0.5143		12,256.9252

3.6 Paving - 2021

Unmitigated Construction On-Site

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

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.6 Paving - 2021

Unmitigated Construction Off-Site

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

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.6 Paving - 2021

Mitigated Construction Off-Site

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

3.7 Architectural Coating - 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					
Archit. Coating	162.0289					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	162.2478	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 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	0.7009	0.4794	5.4134	0.0158	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,576.209 1	1,576.209 1	0.0464		1,577.368 7
Total	0.7009	0.4794	5.4134	0.0158	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,576.209 1	1,576.209 1	0.0464		1,577.368 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	162.0289					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	162.2478	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 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	0.7009	0.4794	5.4134	0.0158	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,576.209 1	1,576.209 1	0.0464		1,577.368 7
Total	0.7009	0.4794	5.4134	0.0158	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,576.209 1	1,576.209 1	0.0464		1,577.368 7

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan - Phase 1 (Construction Run) - 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	7.7295	35.0896	97.9055	0.3955	36.6852	0.3079	36.9930	9.8154	0.2860	10.1015		40,373.3970	40,373.3970	1.9274		40,421.5826
Unmitigated	7.7295	35.0896	97.9055	0.3955	36.6852	0.3079	36.9930	9.8154	0.2860	10.1015		40,373.3970	40,373.3970	1.9274		40,421.5826

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	794.69	989.81	824.00	1,126,720	1,126,720
Total	5,449.69	5,462.81	4,926.00	16,674,761	16,674,761

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

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
Enclosed Parking with Elevator	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
High Turnover (Sit Down Restaurant)	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
NaturalGas Unmitigated	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	25691.3	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3951.37	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Total		0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	25.6913	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.95137	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Total		0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

6.0 Area Detail

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Unmitigated	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

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	0.8958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0028					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7450	0.6658	57.8341	3.0600e-003		0.3206	0.3206		0.3206	0.3206		104.2830	104.2830	0.1004		106.7918
Total	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

Duarte Station Specific Plan - Phase 1 (Construction Run) - 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	0.8958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0028					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7450	0.6658	57.8341	3.0600e-003		0.3206	0.3206		0.3206	0.3206		104.2830	104.2830	0.1004		106.7918
Total	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan - Phase 1 (Construction Run) - Los Angeles-South Coast County, Winter

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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

Duarte Station Specific Plan - Phase 2 (Construction Run)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	700.00	Dwelling Unit	6.60	700,000.00	2002
General Office Building	100.00	1000sqft	2.30	100,000.00	0
Strip Mall	6.75	1000sqft	1.02	6,750.00	0

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)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Phase 2 includes up to 700 units, 6,750sf retail, and 100,000sf of office. Specific locations unknown. Acreage (9.92) reflects total remaining parcel area (6.6 and 3.32)

Demolition - Parcel 8528-011-023 (128,466sf) + Parcel 8528-011-024 (70,890sf)

Architectural Coating - SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblLandUse	LotAcreage	18.42	6.60
tblLandUse	LotAcreage	0.15	1.02

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	1.0285	1.0285
2	4-1-2022	6-30-2022	0.9643	0.9643
3	7-1-2022	9-30-2022	0.9749	0.9749
4	10-1-2022	12-31-2022	0.9878	0.9878
5	1-1-2023	3-31-2023	2.8265	2.8265
		Highest	2.8265	2.8265

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	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592
Energy	0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	1,902.3591	1,902.3591	0.0662	0.0217	1,910.4811
Mobile	1.4294	6.7916	19.3895	0.0790	7.1219	0.0603	7.1822	1.9086	0.0560	1.9646	0.0000	7,317.6758	7,317.6758	0.3403	0.0000	7,326.1841
Waste						0.0000	0.0000		0.0000	0.0000	85.6805	0.0000	85.6805	5.0636	0.0000	212.2697
Water						0.0000	0.0000		0.0000	0.0000	20.2666	406.4557	426.7223	2.0984	0.0526	494.8624
Total	7.1788	7.5399	31.2799	0.0938	7.1219	0.8075	7.9294	1.9086	0.8033	2.7119	180.3004	9,781.1668	9,961.4671	7.8015	0.0794	10,180.1565

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592
Energy	0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	1,902.3591	1,902.3591	0.0662	0.0217	1,910.4811
Mobile	1.4294	6.7916	19.3895	0.0790	7.1219	0.0603	7.1822	1.9086	0.0560	1.9646	0.0000	7,317.6758	7,317.6758	0.3403	0.0000	7,326.1841
Waste						0.0000	0.0000		0.0000	0.0000	85.6805	0.0000	85.6805	5.0636	0.0000	212.2697
Water						0.0000	0.0000		0.0000	0.0000	20.2666	406.4557	426.7223	2.0984	0.0526	494.8624
Total	7.1788	7.5399	31.2799	0.0938	7.1219	0.8075	7.9294	1.9086	0.8033	2.7119	180.3004	9,781.1668	9,961.4671	7.8015	0.0794	10,180.1565

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

3.0 Construction Detail

Construction Phase

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	2/25/2023	3/24/2023	5	20	
2	Building Construction	Building Construction	3/12/2022	1/27/2023	5	230	
3	Demolition	Demolition	1/1/2022	1/28/2022	5	20	
4	Grading	Grading	2/12/2022	3/11/2022	5	20	
5	Paving	Paving	1/28/2023	2/24/2023	5	20	
6	Site Preparation	Site Preparation	1/29/2022	2/11/2022	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 1,417,500; Residential Outdoor: 472,500; Non-Residential Indoor: 160,125; Non-Residential Outdoor: 53,375; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

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

Trips and VMT

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	108.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	538.00	92.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	907.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 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	2.4374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	2.4394	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

3.2 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	4.1000e-003	2.9600e-003	0.0346	1.1000e-004	0.0118	9.0000e-005	0.0119	3.1400e-003	8.0000e-005	3.2300e-003	0.0000	9.9278	9.9278	2.6000e-004	0.0000	9.9342
Total	4.1000e-003	2.9600e-003	0.0346	1.1000e-004	0.0118	9.0000e-005	0.0119	3.1400e-003	8.0000e-005	3.2300e-003	0.0000	9.9278	9.9278	2.6000e-004	0.0000	9.9342

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	2.4374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	2.4394	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

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3.2 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	4.1000e-003	2.9600e-003	0.0346	1.1000e-004	0.0118	9.0000e-005	0.0119	3.1400e-003	8.0000e-005	3.2300e-003	0.0000	9.9278	9.9278	2.6000e-004	0.0000	9.9342
Total	4.1000e-003	2.9600e-003	0.0346	1.1000e-004	0.0118	9.0000e-005	0.0119	3.1400e-003	8.0000e-005	3.2300e-003	0.0000	9.9278	9.9278	2.6000e-004	0.0000	9.9342

3.3 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	0.1792	1.6396	1.7182	2.8300e-003		0.0850	0.0850		0.0799	0.0799	0.0000	243.3115	243.3115	0.0583	0.0000	244.7688
Total	0.1792	1.6396	1.7182	2.8300e-003		0.0850	0.0850		0.0799	0.0799	0.0000	243.3115	243.3115	0.0583	0.0000	244.7688

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3.3 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	0.0282	0.9057	0.2446	2.4300e-003	0.0609	1.7000e-003	0.0626	0.0176	1.6300e-003	0.0192	0.0000	236.0243	236.0243	0.0141	0.0000	236.3767
Worker	0.2279	0.1709	1.9683	5.9600e-003	0.6190	4.9400e-003	0.6240	0.1644	4.5500e-003	0.1690	0.0000	539.0020	539.0020	0.0148	0.0000	539.3731
Total	0.2561	1.0767	2.2128	8.3900e-003	0.6799	6.6400e-003	0.6865	0.1820	6.1800e-003	0.1882	0.0000	775.0263	775.0263	0.0289	0.0000	775.7498

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	0.1792	1.6396	1.7182	2.8300e-003		0.0850	0.0850		0.0799	0.0799	0.0000	243.3112	243.3112	0.0583	0.0000	244.7685
Total	0.1792	1.6396	1.7182	2.8300e-003		0.0850	0.0850		0.0799	0.0799	0.0000	243.3112	243.3112	0.0583	0.0000	244.7685

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3.3 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	0.0282	0.9057	0.2446	2.4300e-003	0.0609	1.7000e-003	0.0626	0.0176	1.6300e-003	0.0192	0.0000	236.0243	236.0243	0.0141	0.0000	236.3767
Worker	0.2279	0.1709	1.9683	5.9600e-003	0.6190	4.9400e-003	0.6240	0.1644	4.5500e-003	0.1690	0.0000	539.0020	539.0020	0.0148	0.0000	539.3731
Total	0.2561	1.0767	2.2128	8.3900e-003	0.6799	6.6400e-003	0.6865	0.1820	6.1800e-003	0.1882	0.0000	775.0263	775.0263	0.0289	0.0000	775.7498

3.3 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	0.0157	0.1439	0.1624	2.7000e-004		7.0000e-003	7.0000e-003		6.5800e-003	6.5800e-003	0.0000	23.1805	23.1805	5.5100e-003	0.0000	23.3183
Total	0.0157	0.1439	0.1624	2.7000e-004		7.0000e-003	7.0000e-003		6.5800e-003	6.5800e-003	0.0000	23.1805	23.1805	5.5100e-003	0.0000	23.3183

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3.3 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	1.9900e-003	0.0652	0.0209	2.2000e-004	5.8000e-003	8.0000e-005	5.8700e-003	1.6700e-003	7.0000e-005	1.7500e-003	0.0000	21.7748	21.7748	1.1900e-003	0.0000	21.8045
Worker	0.0204	0.0147	0.1724	5.5000e-004	0.0590	4.6000e-004	0.0594	0.0157	4.2000e-004	0.0161	0.0000	49.4551	49.4551	1.2700e-003	0.0000	49.4869
Total	0.0224	0.0799	0.1933	7.7000e-004	0.0648	5.4000e-004	0.0653	0.0173	4.9000e-004	0.0178	0.0000	71.2299	71.2299	2.4600e-003	0.0000	71.2914

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	0.0157	0.1439	0.1624	2.7000e-004		7.0000e-003	7.0000e-003		6.5800e-003	6.5800e-003	0.0000	23.1805	23.1805	5.5100e-003	0.0000	23.3183
Total	0.0157	0.1439	0.1624	2.7000e-004		7.0000e-003	7.0000e-003		6.5800e-003	6.5800e-003	0.0000	23.1805	23.1805	5.5100e-003	0.0000	23.3183

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3.3 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	1.9900e-003	0.0652	0.0209	2.2000e-004	5.8000e-003	8.0000e-005	5.8700e-003	1.6700e-003	7.0000e-005	1.7500e-003	0.0000	21.7748	21.7748	1.1900e-003	0.0000	21.8045
Worker	0.0204	0.0147	0.1724	5.5000e-004	0.0590	4.6000e-004	0.0594	0.0157	4.2000e-004	0.0161	0.0000	49.4551	49.4551	1.2700e-003	0.0000	49.4869
Total	0.0224	0.0799	0.1933	7.7000e-004	0.0648	5.4000e-004	0.0653	0.0173	4.9000e-004	0.0178	0.0000	71.2299	71.2299	2.4600e-003	0.0000	71.2914

3.4 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0981	0.0000	0.0981	0.0149	0.0000	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	0.0981	0.0124	0.1106	0.0149	0.0116	0.0264	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

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3.4 Demolition - 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	3.6400e-003	0.1165	0.0290	3.5000e-004	7.7900e-003	3.3000e-004	8.1200e-003	2.1400e-003	3.1000e-004	2.4500e-003	0.0000	34.1590	34.1590	2.3600e-003	0.0000	34.2181
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	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	4.2500e-003	0.1170	0.0342	3.7000e-004	9.4300e-003	3.4000e-004	9.7800e-003	2.5800e-003	3.2000e-004	2.9000e-003	0.0000	35.5903	35.5903	2.4000e-003	0.0000	35.6503

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					0.0383	0.0000	0.0383	5.7900e-003	0.0000	5.7900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	0.0383	0.0124	0.0507	5.7900e-003	0.0116	0.0173	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

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3.4 Demolition - 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	3.6400e-003	0.1165	0.0290	3.5000e-004	7.7900e-003	3.3000e-004	8.1200e-003	2.1400e-003	3.1000e-004	2.4500e-003	0.0000	34.1590	34.1590	2.3600e-003	0.0000	34.2181
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	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	4.2500e-003	0.1170	0.0342	3.7000e-004	9.4300e-003	3.4000e-004	9.7800e-003	2.5800e-003	3.2000e-004	2.9000e-003	0.0000	35.5903	35.5903	2.4000e-003	0.0000	35.6503

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654
Total	0.0195	0.2086	0.1527	3.0000e-004	0.0655	9.4100e-003	0.0749	0.0337	8.6600e-003	0.0423	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654

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3.5 Grading - 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	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322

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					0.0256	0.0000	0.0256	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654
Total	0.0195	0.2086	0.1527	3.0000e-004	0.0256	9.4100e-003	0.0350	0.0131	8.6600e-003	0.0218	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654

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3.5 Grading - 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	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322

3.6 Paving - 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	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888

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3.6 Paving - 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	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798

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	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888

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3.6 Paving - 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	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798

3.7 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0903	8.0600e-003	0.0984	0.0497	7.4200e-003	0.0571	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

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3.7 Site Preparation - 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	3.6000e-004	2.7000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8587	0.8587	2.0000e-005	0.0000	0.8593
Total	3.6000e-004	2.7000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8587	0.8587	2.0000e-005	0.0000	0.8593

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					0.0352	0.0000	0.0352	0.0194	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0352	8.0600e-003	0.0433	0.0194	7.4200e-003	0.0268	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

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3.7 Site Preparation - 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	3.6000e-004	2.7000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8587	0.8587	2.0000e-005	0.0000	0.8593
Total	3.6000e-004	2.7000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8587	0.8587	2.0000e-005	0.0000	0.8593

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	1.4294	6.7916	19.3895	0.0790	7.1219	0.0603	7.1822	1.9086	0.0560	1.9646	0.0000	7,317.6758	7,317.6758	0.3403	0.0000	7,326.1841
Unmitigated	1.4294	6.7916	19.3895	0.0790	7.1219	0.0603	7.1822	1.9086	0.0560	1.9646	0.0000	7,317.6758	7,317.6758	0.3403	0.0000	7,326.1841

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
General Office Building	1,103.00	246.00	105.00	2,699,584	2,699,584
Strip Mall	299.16	283.77	137.90	521,168	521,168
Total	6,057.16	5,002.77	4,344.90	18,768,793	18,768,793

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

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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
General Office Building	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,345.8072	1,345.8072	0.0556	0.0115	1,350.6219
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,345.8072	1,345.8072	0.0556	0.0115	1,350.6219
NaturalGas Mitigated	0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	556.5519	556.5519	0.0107	0.0102	559.8592
NaturalGas Unmitigated	0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	556.5519	556.5519	0.0107	0.0102	559.8592

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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	9.37732e+006	0.0506	0.4321	0.1839	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.4095	500.4095	9.5900e-003	9.1700e-003	503.3831
General Office Building	1.041e+006	5.6100e-003	0.0510	0.0429	3.1000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	55.5517	55.5517	1.0600e-003	1.0200e-003	55.8818
Strip Mall	11070	6.0000e-005	5.4000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5907	0.5907	1.0000e-005	1.0000e-005	0.5943
Total		0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	556.5519	556.5519	0.0107	0.0102	559.8592

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	9.37732e+006	0.0506	0.4321	0.1839	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.4095	500.4095	9.5900e-003	9.1700e-003	503.3831
General Office Building	1.041e+006	5.6100e-003	0.0510	0.0429	3.1000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	55.5517	55.5517	1.0600e-003	1.0200e-003	55.8818
Strip Mall	11070	6.0000e-005	5.4000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5907	0.5907	1.0000e-005	1.0000e-005	0.5943
Total		0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	556.5519	556.5519	0.0107	0.0102	559.8592

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	2.83372e+006	902.8836	0.0373	7.7100e-003	906.1137
General Office Building	1.299e+006	413.8892	0.0171	3.5400e-003	415.3699
Strip Mall	91125	29.0344	1.2000e-003	2.5000e-004	29.1383
Total		1,345.8072	0.0556	0.0115	1,350.6219

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.83372e+006	902.8836	0.0373	7.7100e-003	906.1137
General Office Building	1.299e+006	413.8892	0.0171	3.5400e-003	415.3699
Strip Mall	91125	29.0344	1.2000e-003	2.5000e-004	29.1383
Total		1,345.8072	0.0556	0.0115	1,350.6219

6.0 Area Detail

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592
Unmitigated	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

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	0.2685					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9152					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.2928	0.1816	4.4498	0.0114		0.6684	0.6684		0.6684	0.6684	74.3534	142.8816	217.2349	0.2217	5.0500e-003	224.2822
Landscaping	0.2167	0.0831	7.2134	3.8000e-004		0.0400	0.0400		0.0400	0.0400	0.0000	11.7945	11.7945	0.0113	0.0000	12.0770
Total	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	0.2685					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9152					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.2928	0.1816	4.4498	0.0114		0.6684	0.6684		0.6684	0.6684	74.3534	142.8816	217.2349	0.2217	5.0500e-003	224.2822
Landscaping	0.2167	0.0831	7.2134	3.8000e-004		0.0400	0.0400		0.0400	0.0400	0.0000	11.7945	11.7945	0.0113	0.0000	12.0770
Total	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592

7.0 Water Detail

7.1 Mitigation Measures Water

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	426.7223	2.0984	0.0526	494.8624
Unmitigated	426.7223	2.0984	0.0526	494.8624

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	45.6078 / 28.7528	305.4670	1.4982	0.0376	354.1184
General Office Building	17.7734 / 10.8934	117.9375	0.5838	0.0146	136.8930
Strip Mall	0.49999 / 0.306445	3.3178	0.0164	4.1000e-004	3.8510
Total		426.7223	2.0984	0.0526	494.8624

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	45.6078 / 28.7528	305.4670	1.4982	0.0376	354.1184
General Office Building	17.7734 / 10.8934	117.9375	0.5838	0.0146	136.8930
Strip Mall	0.49999 / 0.306445	3.3178	0.0164	4.1000e-004	3.8510
Total		426.7223	2.0984	0.0526	494.8624

8.0 Waste Detail

8.1 Mitigation Measures Waste

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	85.6805	5.0636	0.0000	212.2697
Unmitigated	85.6805	5.0636	0.0000	212.2697

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	322	65.3631	3.8629	0.0000	161.9343
General Office Building	93	18.8782	1.1157	0.0000	46.7698
Strip Mall	7.09	1.4392	0.0851	0.0000	3.5656
Total		85.6805	5.0636	0.0000	212.2697

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	322	65.3631	3.8629	0.0000	161.9343
General Office Building	93	18.8782	1.1157	0.0000	46.7698
Strip Mall	7.09	1.4392	0.0851	0.0000	3.5656
Total		85.6805	5.0636	0.0000	212.2697

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Annual

11.0 Vegetation

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

Duarte Station Specific Plan - Phase 2 (Construction Run)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	700.00	Dwelling Unit	6.60	700,000.00	2002
General Office Building	100.00	1000sqft	2.30	100,000.00	0
Strip Mall	6.75	1000sqft	1.02	6,750.00	0

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)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Phase 2 includes up to 700 units, 6,750sf retail, and 100,000sf of office. Specific locations unknown. Acreage (9.92) reflects total remaining parcel area (6.6 and 3.32)

Demolition - Parcel 8528-011-023 (128,466sf) + Parcel 8528-011-024 (70,890sf)

Architectural Coating - SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblLandUse	LotAcreage	18.42	6.60
tblLandUse	LotAcreage	0.15	1.02

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Energy	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
Mobile	8.8697	38.3623	118.3577	0.4800	42.5815	0.3533	42.9348	11.3930	0.3282	11.7212		48,971.5309	48,971.5309	2.2143		49,026.8895
Total	211.7811	56.2010	533.2959	1.4080	42.5815	54.3582	96.9397	11.3930	54.3331	65.7261	6,556.8429	65,037.1489	71,593.9918	21.9322	0.5067	72,293.2816

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	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Energy	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
Mobile	8.8697	38.3623	118.3577	0.4800	42.5815	0.3533	42.9348	11.3930	0.3282	11.7212		48,971.5309	48,971.5309	2.2143		49,026.8895
Total	211.7811	56.2010	533.2959	1.4080	42.5815	54.3582	96.9397	11.3930	54.3331	65.7261	6,556.8429	65,037.1489	71,593.9918	21.9322	0.5067	72,293.2816

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	2/25/2023	3/24/2023	5	20	
2	Building Construction	Building Construction	3/12/2022	1/27/2023	5	230	
3	Demolition	Demolition	1/1/2022	1/28/2022	5	20	
4	Grading	Grading	2/12/2022	3/11/2022	5	20	
5	Paving	Paving	1/28/2023	2/24/2023	5	20	
6	Site Preparation	Site Preparation	1/29/2022	2/11/2022	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 1,417,500; Residential Outdoor: 472,500; Non-Residential Indoor: 160,125; Non-Residential Outdoor: 53,375; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

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

Trips and VMT

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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
Architectural Coating	1	108.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	538.00	92.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	907.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 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	243.7431					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	243.9347	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.2 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	0.4072	0.2601	3.6959	0.0115	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,143.1606	1,143.1606	0.0295		1,143.8988
Total	0.4072	0.2601	3.6959	0.0115	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,143.1606	1,143.1606	0.0295		1,143.8988

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	243.7431					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	243.9347	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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.2 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	0.4072	0.2601	3.6959	0.0115	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,143.1606	1,143.1606	0.0295		1,143.8988
Total	0.4072	0.2601	3.6959	0.0115	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,143.1606	1,143.1606	0.0295		1,143.8988

3.3 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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.3 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	0.2625	8.4944	2.2094	0.0234	0.5890	0.0160	0.6050	0.1696	0.0153	0.1849		2,506.870 2	2,506.870 2	0.1439		2,510.466 7
Worker	2.1602	1.4318	19.9922	0.0593	6.0136	0.0471	6.0607	1.5948	0.0434	1.6382		5,911.0723	5,911.0723	0.1632		5,915.151 0
Total	2.4227	9.9262	22.2016	0.0828	6.6026	0.0630	6.6656	1.7644	0.0586	1.8230		8,417.942 4	8,417.942 4	0.3070		8,425.617 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.3 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	0.2625	8.4944	2.2094	0.0234	0.5890	0.0160	0.6050	0.1696	0.0153	0.1849		2,506.870 2	2,506.870 2	0.1439		2,510.466 7
Worker	2.1602	1.4318	19.9922	0.0593	6.0136	0.0471	6.0607	1.5948	0.0434	1.6382		5,911.0723	5,911.0723	0.1632		5,915.151 0
Total	2.4227	9.9262	22.2016	0.0828	6.6026	0.0630	6.6656	1.7644	0.0586	1.8230		8,417.942 4	8,417.942 4	0.3070		8,425.617 6

3.3 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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.3 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	0.1947	6.4452	1.9953	0.0227	0.5890	7.4500e-003	0.5965	0.1696	7.1200e-003	0.1767		2,427.9483	2,427.9483	0.1275		2,431.1354
Worker	2.0286	1.2955	18.4111	0.0571	6.0136	0.0457	6.0593	1.5948	0.0421	1.6369		5,694.6331	5,694.6331	0.1471		5,698.3106
Total	2.2233	7.7407	20.4064	0.0798	6.6026	0.0532	6.6558	1.7644	0.0492	1.8137		8,122.5814	8,122.5814	0.2746		8,129.4460

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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.3 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	0.1947	6.4452	1.9953	0.0227	0.5890	7.4500e-003	0.5965	0.1696	7.1200e-003	0.1767		2,427.9483	2,427.9483	0.1275		2,431.1354
Worker	2.0286	1.2955	18.4111	0.0571	6.0136	0.0457	6.0593	1.5948	0.0421	1.6369		5,694.6331	5,694.6331	0.1471		5,698.3106
Total	2.2233	7.7407	20.4064	0.0798	6.6026	0.0532	6.6558	1.7644	0.0492	1.8137		8,122.5814	8,122.5814	0.2746		8,129.4460

3.4 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.8118	0.0000	9.8118	1.4856	0.0000	1.4856			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	9.8118	1.2427	11.0545	1.4856	1.1553	2.6409		3,746.7812	3,746.7812	1.0524		3,773.0920

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.4 Demolition - 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	0.3598	11.3006	2.8233	0.0349	0.7930	0.0324	0.8254	0.2174	0.0310	0.2484		3,793.2326	3,793.2326	0.2566		3,799.6475
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	0.4201	11.3405	3.3807	0.0366	0.9607	0.0338	0.9944	0.2619	0.0323	0.2941		3,958.0394	3,958.0394	0.2612		3,964.5681

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					3.8266	0.0000	3.8266	0.5794	0.0000	0.5794			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	3.8266	1.2427	5.0693	0.5794	1.1553	1.7346	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.4 Demolition - 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	0.3598	11.3006	2.8233	0.0349	0.7930	0.0324	0.8254	0.2174	0.0310	0.2484		3,793.2326	3,793.2326	0.2566		3,799.6475
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	0.4201	11.3405	3.3807	0.0366	0.9607	0.0338	0.9944	0.2619	0.0323	0.2941		3,958.0394	3,958.0394	0.2612		3,964.5681

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.0464	2,872.0464	0.9289		2,895.2684

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.5 Grading - 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					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	2.5554	0.9409	3.4963	1.3133	0.8656	2.1789	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.5 Grading - 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	0.1677	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

3.6 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.6 Paving - 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	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.6 Paving - 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	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

3.7 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.7 Site Preparation - 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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	7.0458	1.6126	8.6584	3.8730	1.4836	5.3565	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

3.7 Site Preparation - 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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	8.8697	38.3623	118.3577	0.4800	42.5815	0.3533	42.9348	11.3930	0.3282	11.7212		48,971.5309	48,971.5309	2.2143		49,026.8895
Unmitigated	8.8697	38.3623	118.3577	0.4800	42.5815	0.3533	42.9348	11.3930	0.3282	11.7212		48,971.5309	48,971.5309	2.2143		49,026.8895

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
General Office Building	1,103.00	246.00	105.00	2,699,584	2,699,584
Strip Mall	299.16	283.77	137.90	521,168	521,168
Total	6,057.16	5,002.77	4,344.90	18,768,793	18,768,793

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

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
General Office Building	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
NaturalGas Unmitigated	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	25691.3	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
General Office Building	2852.05	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
Strip Mall	30.3288	3.3000e-004	2.9700e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5681	3.5681	7.0000e-005	7.0000e-005	3.5893
Total		0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

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	25.6913	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
General Office Building	2.85205	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
Strip Mall	0.0303288	3.3000e-004	2.9700e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5681	3.5681	7.0000e-005	7.0000e-005	3.5893
Total		0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

6.0 Area Detail

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Unmitigated	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

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	1.4711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.9737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7333	0.6647	57.7070	3.0500e-003		0.3202	0.3202		0.3202	0.3202		104.0100	104.0100	0.0996		106.5010
Total	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	1.4711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.9737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7333	0.6647	57.7070	3.0500e-003		0.3202	0.3202		0.3202	0.3202		104.0100	104.0100	0.0996		106.5010
Total	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Summer

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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

Duarte Station Specific Plan - Phase 2 (Construction Run)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	700.00	Dwelling Unit	6.60	700,000.00	2002
General Office Building	100.00	1000sqft	2.30	100,000.00	0
Strip Mall	6.75	1000sqft	1.02	6,750.00	0

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)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Phase 2 includes up to 700 units, 6,750sf retail, and 100,000sf of office. Specific locations unknown. Acreage (9.92) reflects total remaining parcel area (6.6 and 3.32)

Demolition - Parcel 8528-011-023 (128,466sf) + Parcel 8528-011-024 (70,890sf)

Architectural Coating - SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblLandUse	LotAcreage	18.42	6.60
tblLandUse	LotAcreage	0.15	1.02

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Energy	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
Mobile	8.5895	39.2045	112.0557	0.4570	42.5815	0.3546	42.9361	11.3930	0.3295	11.7225		46,653.7367	46,653.7367	2.2095		46,708.9738
Total	211.5009	57.0432	526.9939	1.3851	42.5815	54.3595	96.9410	11.3930	54.3344	65.7274	6,556.8429	62,719.3547	69,276.1976	21.9273	0.5067	69,975.3659

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	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Energy	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
Mobile	8.5895	39.2045	112.0557	0.4570	42.5815	0.3546	42.9361	11.3930	0.3295	11.7225		46,653.7367	46,653.7367	2.2095		46,708.9738
Total	211.5009	57.0432	526.9939	1.3851	42.5815	54.3595	96.9410	11.3930	54.3344	65.7274	6,556.8429	62,719.3547	69,276.1976	21.9273	0.5067	69,975.3659

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	2/25/2023	3/24/2023	5	20	
2	Building Construction	Building Construction	3/12/2022	1/27/2023	5	230	
3	Demolition	Demolition	1/1/2022	1/28/2022	5	20	
4	Grading	Grading	2/12/2022	3/11/2022	5	20	
5	Paving	Paving	1/28/2023	2/24/2023	5	20	
6	Site Preparation	Site Preparation	1/29/2022	2/11/2022	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 1,417,500; Residential Outdoor: 472,500; Non-Residential Indoor: 160,125; Non-Residential Outdoor: 53,375; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

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

Trips and VMT

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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
Architectural Coating	1	108.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	538.00	92.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	907.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 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	243.7431					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	243.9347	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.2 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	0.4557	0.2877	3.3671	0.0108	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,076.4582	1,076.4582	0.0277		1,077.1508
Total	0.4557	0.2877	3.3671	0.0108	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,076.4582	1,076.4582	0.0277		1,077.1508

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	243.7431					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	243.9347	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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.2 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	0.4557	0.2877	3.3671	0.0108	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,076.4582	1,076.4582	0.0277		1,077.1508
Total	0.4557	0.2877	3.3671	0.0108	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,076.4582	1,076.4582	0.0277		1,077.1508

3.3 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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.3 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	0.2756	8.4713	2.4451	0.0228	0.5890	0.0165	0.6055	0.1696	0.0158	0.1854		2,437.7266	2,437.7266	0.1532		2,441.5567
Worker	2.4094	1.5846	18.2477	0.0559	6.0136	0.0471	6.0607	1.5948	0.0434	1.6382		5,565.9837	5,565.9837	0.1533		5,569.8151
Total	2.6850	10.0559	20.6928	0.0787	6.6026	0.0636	6.6662	1.7644	0.0591	1.8235		8,003.7102	8,003.7102	0.3065		8,011.3718

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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.3 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	0.2756	8.4713	2.4451	0.0228	0.5890	0.0165	0.6055	0.1696	0.0158	0.1854		2,437.7266	2,437.7266	0.1532		2,441.5567
Worker	2.4094	1.5846	18.2477	0.0559	6.0136	0.0471	6.0607	1.5948	0.0434	1.6382		5,565.9837	5,565.9837	0.1533		5,569.8151
Total	2.6850	10.0559	20.6928	0.0787	6.6026	0.0636	6.6662	1.7644	0.0591	1.8235		8,003.7102	8,003.7102	0.3065		8,011.3718

3.3 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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.3 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	0.2048	6.4160	2.1727	0.0221	0.5890	7.8300e-003	0.5969	0.1696	7.4800e-003	0.1771		2,362.0200	2,362.0200	0.1349		2,365.3918
Worker	2.2699	1.4332	16.7731	0.0538	6.0136	0.0457	6.0593	1.5948	0.0421	1.6369		5,362.3567	5,362.3567	0.1380		5,365.8067
Total	2.4746	7.8492	18.9457	0.0759	6.6026	0.0536	6.6562	1.7644	0.0496	1.8140		7,724.3767	7,724.3767	0.2729		7,731.1985

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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.3 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	0.2048	6.4160	2.1727	0.0221	0.5890	7.8300e-003	0.5969	0.1696	7.4800e-003	0.1771		2,362.0200	2,362.0200	0.1349		2,365.3918
Worker	2.2699	1.4332	16.7731	0.0538	6.0136	0.0457	6.0593	1.5948	0.0421	1.6369		5,362.3567	5,362.3567	0.1380		5,365.8067
Total	2.4746	7.8492	18.9457	0.0759	6.6026	0.0536	6.6562	1.7644	0.0496	1.8140		7,724.3767	7,724.3767	0.2729		7,731.1985

3.4 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.8118	0.0000	9.8118	1.4856	0.0000	1.4856			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	9.8118	1.2427	11.0545	1.4856	1.1553	2.6409		3,746.7812	3,746.7812	1.0524		3,773.0920

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.4 Demolition - 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	0.3685	11.4297	2.9876	0.0343	0.7930	0.0330	0.8260	0.2174	0.0315	0.2489		3,726.9389	3,726.9389	0.2654		3,733.5726
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	0.4357	11.4739	3.4963	0.0359	0.9607	0.0343	0.9949	0.2619	0.0327	0.2946		3,882.1243	3,882.1243	0.2696		3,888.8649

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					3.8266	0.0000	3.8266	0.5794	0.0000	0.5794			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	3.8266	1.2427	5.0693	0.5794	1.1553	1.7346	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.4 Demolition - 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	0.3685	11.4297	2.9876	0.0343	0.7930	0.0330	0.8260	0.2174	0.0315	0.2489		3,726.9389	3,726.9389	0.2654		3,733.5726
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	0.4357	11.4739	3.4963	0.0359	0.9607	0.0343	0.9949	0.2619	0.0327	0.2946		3,882.1243	3,882.1243	0.2696		3,888.8649

3.5 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.0464	2,872.0464	0.9289		2,895.2684

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.5 Grading - 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					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	2.5554	0.9409	3.4963	1.3133	0.8656	2.1789	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.5 Grading - 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	0.1677	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

3.6 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.6 Paving - 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	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.6 Paving - 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	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

3.7 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.7 Site Preparation - 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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	7.0458	1.6126	8.6584	3.8730	1.4836	5.3565	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

3.7 Site Preparation - 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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	8.5895	39.2045	112.0557	0.4570	42.5815	0.3546	42.9361	11.3930	0.3295	11.7225		46,653.73 67	46,653.73 67	2.2095		46,708.97 38
Unmitigated	8.5895	39.2045	112.0557	0.4570	42.5815	0.3546	42.9361	11.3930	0.3295	11.7225		46,653.73 67	46,653.73 67	2.2095		46,708.97 38

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
General Office Building	1,103.00	246.00	105.00	2,699,584	2,699,584
Strip Mall	299.16	283.77	137.90	521,168	521,168
Total	6,057.16	5,002.77	4,344.90	18,768,793	18,768,793

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

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
General Office Building	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
NaturalGas Unmitigated	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	25691.3	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
General Office Building	2852.05	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
Strip Mall	30.3288	3.3000e-004	2.9700e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5681	3.5681	7.0000e-005	7.0000e-005	3.5893
Total		0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

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	25.6913	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
General Office Building	2.85205	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
Strip Mall	0.0303288	3.3000e-004	2.9700e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5681	3.5681	7.0000e-005	7.0000e-005	3.5893
Total		0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

6.0 Area Detail

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Unmitigated	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

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	1.4711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.9737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7333	0.6647	57.7070	3.0500e-003		0.3202	0.3202		0.3202	0.3202		104.0100	104.0100	0.0996		106.5010
Total	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

Duarte Station Specific Plan - Phase 2 (Construction Run) - 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	1.4711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.9737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7333	0.6647	57.7070	3.0500e-003		0.3202	0.3202		0.3202	0.3202		104.0100	104.0100	0.0996		106.5010
Total	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan - Phase 2 (Construction Run) - Los Angeles-South Coast County, Winter

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

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Apartments Mid Rise	700.00	Dwelling Unit	7.20	489,298.00	2002

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/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Res A-257,248sf (3.6ac); B-196,900sf (2.85ac); Interger: 44,150sf res (0.75ac over restaurant) | Interger-restaurant: 6,250sf (0.14ac) | Park A&B 1,082 space (1.27); Interger 226 space (0.51ac)

Demolition - Parcel 8528-011-925 (114,599sf)

Grading - Export 2,045 | Import 6,820

Architectural Coating - Mitigated run requiring the use of 10 g/L (i.e., "super compliant") VOC interior and exterior arch coating. Requires the development of a Coating Restriction Plan, consistent with SCAQMD guidelines.

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Area Mitigation -

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblGrading	MaterialExported	0.00	2,045.00
tblGrading	MaterialImported	0.00	6,820.00
tblLandUse	LandUseSquareFeet	700,000.00	489,298.00
tblLandUse	LotAcreage	12.13	1.78
tblLandUse	LotAcreage	18.42	7.20
tblTripsAndVMT	HaulingTripNumber	521.00	0.00
tblTripsAndVMT	HaulingTripNumber	1,108.00	0.00

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	1.2324	1.2324
2	4-1-2020	6-30-2020	1.4660	1.4660
3	7-1-2020	9-30-2020	1.4821	1.4821
4	10-1-2020	12-31-2020	1.5035	1.5035
5	1-1-2021	3-31-2021	0.9428	0.9428
		Highest	1.5035	1.5035

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	4.4999	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922
Energy	0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	2,574.9086	2,574.9086	0.0935	0.0277	2,585.4859
Mobile	1.3163	6.2306	17.4201	0.0705	6.3273	0.0539	6.3812	1.6957	0.0501	1.7457	0.0000	6,526.8426	6,526.8426	0.3054	0.0000	6,534.4774
Waste						0.0000	0.0000		0.0000	0.0000	80.4616	0.0000	80.4616	4.7551	0.0000	199.3401
Water						0.0000	0.0000		0.0000	0.0000	15.0711	299.2970	314.3681	1.5603	0.0391	365.0295
Total	5.8745	6.9981	29.3425	0.0854	6.3273	0.8027	7.1300	1.6957	0.7989	2.4945	169.8860	9,555.7552	9,725.6413	6.9475	0.0718	9,920.7252

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4999	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922
Energy	0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	2,574.9086	2,574.9086	0.0935	0.0277	2,585.4859
Mobile	1.3163	6.2306	17.4201	0.0705	6.3273	0.0539	6.3812	1.6957	0.0501	1.7457	0.0000	6,526.8426	6,526.8426	0.3054	0.0000	6,534.4774
Waste						0.0000	0.0000		0.0000	0.0000	80.4616	0.0000	80.4616	4.7551	0.0000	199.3401
Water						0.0000	0.0000		0.0000	0.0000	15.0711	299.2970	314.3681	1.5603	0.0391	365.0295
Total	5.8745	6.9981	29.3425	0.0854	6.3273	0.8027	7.1300	1.6957	0.7989	2.4945	169.8860	9,555.7552	9,725.6413	6.9475	0.0718	9,920.7252

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

3.0 Construction Detail

Construction Phase

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	2/11/2020	5	10	
3	Grading	Grading	2/12/2020	3/10/2020	5	20	
4	Building Construction	Building Construction	3/11/2020	1/26/2021	5	230	
5	Paving	Paving	1/27/2021	2/23/2021	5	20	
6	Architectural Coating	Architectural Coating	2/24/2021	3/23/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.78

Residential Indoor: 990,828; Residential Outdoor: 330,276; Non-Residential Indoor: 9,375; Non-Residential Outdoor: 3,125; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

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

Trips and VMT

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	733.00	164.00	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
Architectural Coating	1	147.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0564	0.0000	0.0564	8.5400e-003	0.0000	8.5400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
Total	0.0331	0.3320	0.2175	3.9000e-004	0.0564	0.0166	0.0730	8.5400e-003	0.0154	0.0240	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
Total	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332

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					0.0220	0.0000	0.0220	3.3300e-003	0.0000	3.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
Total	0.0331	0.3320	0.2175	3.9000e-004	0.0220	0.0166	0.0386	3.3300e-003	0.0154	0.0188	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385

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3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
Total	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332

3.3 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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0903	0.0110	0.1013	0.0497	0.0101	0.0598	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

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3.3 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	4.2000e-004	3.4000e-004	3.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9192	0.9192	3.0000e-005	0.0000	0.9199
Total	4.2000e-004	3.4000e-004	3.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9192	0.9192	3.0000e-005	0.0000	0.9199

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					0.0352	0.0000	0.0352	0.0194	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0352	0.0110	0.0462	0.0194	0.0101	0.0295	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

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3.3 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	4.2000e-004	3.4000e-004	3.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9192	0.9192	3.0000e-005	0.0000	0.9199
Total	4.2000e-004	3.4000e-004	3.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.9192	0.9192	3.0000e-005	0.0000	0.9199

3.4 Grading - 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					0.0660	0.0000	0.0660	0.0338	0.0000	0.0338	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0588	26.0588	8.4300e-003	0.0000	26.2694
Total	0.0243	0.2639	0.1605	3.0000e-004	0.0660	0.0127	0.0788	0.0338	0.0117	0.0455	0.0000	26.0588	26.0588	8.4300e-003	0.0000	26.2694

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3.4 Grading - 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	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
Total	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332

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					0.0258	0.0000	0.0258	0.0132	0.0000	0.0132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0587	26.0587	8.4300e-003	0.0000	26.2694
Total	0.0243	0.2639	0.1605	3.0000e-004	0.0258	0.0127	0.0385	0.0132	0.0117	0.0249	0.0000	26.0587	26.0587	8.4300e-003	0.0000	26.2694

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3.4 Grading - 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	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332
Total	6.9000e-004	5.6000e-004	6.1700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5332

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2247	2.0337	1.7859	2.8500e-003		0.1184	0.1184		0.1113	0.1113	0.0000	245.5066	245.5066	0.0599	0.0000	247.0040
Total	0.2247	2.0337	1.7859	2.8500e-003		0.1184	0.1184		0.1113	0.1113	0.0000	245.5066	245.5066	0.0599	0.0000	247.0040

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3.5 Building Construction - 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	0.0630	1.8838	0.5100	4.4600e-003	0.1095	8.7600e-003	0.1183	0.0316	8.3800e-003	0.0400	0.0000	431.8641	431.8641	0.0274	0.0000	432.5502
Worker	0.3587	0.2892	3.1983	8.7800e-003	0.8514	7.2600e-003	0.8587	0.2261	6.6900e-003	0.2328	0.0000	793.5690	793.5690	0.0250	0.0000	794.1942
Total	0.4217	2.1730	3.7083	0.0132	0.9609	0.0160	0.9769	0.2577	0.0151	0.2728	0.0000	1,225.4331	1,225.4331	0.0525	0.0000	1,226.7443

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	0.2247	2.0337	1.7859	2.8500e-003		0.1184	0.1184		0.1113	0.1113	0.0000	245.5063	245.5063	0.0599	0.0000	247.0037
Total	0.2247	2.0337	1.7859	2.8500e-003		0.1184	0.1184		0.1113	0.1113	0.0000	245.5063	245.5063	0.0599	0.0000	247.0037

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3.5 Building Construction - 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	0.0630	1.8838	0.5100	4.4600e-003	0.1095	8.7600e-003	0.1183	0.0316	8.3800e-003	0.0400	0.0000	431.8641	431.8641	0.0274	0.0000	432.5502
Worker	0.3587	0.2892	3.1983	8.7800e-003	0.8514	7.2600e-003	0.8587	0.2261	6.6900e-003	0.2328	0.0000	793.5690	793.5690	0.0250	0.0000	794.1942
Total	0.4217	2.1730	3.7083	0.0132	0.9609	0.0160	0.9769	0.2577	0.0151	0.2728	0.0000	1,225.4331	1,225.4331	0.0525	0.0000	1,226.7443

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0171	0.1569	0.1492	2.4000e-004		8.6300e-003	8.6300e-003		8.1100e-003	8.1100e-003	0.0000	20.8474	20.8474	5.0300e-003	0.0000	20.9731
Total	0.0171	0.1569	0.1492	2.4000e-004		8.6300e-003	8.6300e-003		8.1100e-003	8.1100e-003	0.0000	20.8474	20.8474	5.0300e-003	0.0000	20.9731

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5800e-003	0.1457	0.0395	3.8000e-004	9.3000e-003	3.0000e-004	9.5900e-003	2.6800e-003	2.8000e-004	2.9700e-003	0.0000	36.3829	36.3829	2.2300e-003	0.0000	36.4387
Worker	0.0284	0.0221	0.2495	7.2000e-004	0.0723	6.0000e-004	0.0729	0.0192	5.5000e-004	0.0198	0.0000	65.2389	65.2389	1.9200e-003	0.0000	65.2869
Total	0.0330	0.1678	0.2890	1.1000e-003	0.0816	9.0000e-004	0.0825	0.0219	8.3000e-004	0.0227	0.0000	101.6218	101.6218	4.1500e-003	0.0000	101.7255

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	0.0171	0.1569	0.1492	2.4000e-004		8.6300e-003	8.6300e-003		8.1100e-003	8.1100e-003	0.0000	20.8473	20.8473	5.0300e-003	0.0000	20.9731
Total	0.0171	0.1569	0.1492	2.4000e-004		8.6300e-003	8.6300e-003		8.1100e-003	8.1100e-003	0.0000	20.8473	20.8473	5.0300e-003	0.0000	20.9731

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3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5800e-003	0.1457	0.0395	3.8000e-004	9.3000e-003	3.0000e-004	9.5900e-003	2.6800e-003	2.8000e-004	2.9700e-003	0.0000	36.3829	36.3829	2.2300e-003	0.0000	36.4387
Worker	0.0284	0.0221	0.2495	7.2000e-004	0.0723	6.0000e-004	0.0729	0.0192	5.5000e-004	0.0198	0.0000	65.2389	65.2389	1.9200e-003	0.0000	65.2869
Total	0.0330	0.1678	0.2890	1.1000e-003	0.0816	9.0000e-004	0.0825	0.0219	8.3000e-004	0.0227	0.0000	101.6218	101.6218	4.1500e-003	0.0000	101.7255

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

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3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845

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	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

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3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845
Total	6.5000e-004	5.0000e-004	5.6700e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4834	1.4834	4.0000e-005	0.0000	1.4845

3.7 Architectural Coating - 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					
Archit. Coating	0.3840					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.3862	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.7 Architectural Coating - 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	6.3300e-003	4.9200e-003	0.0556	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.5371	14.5371	4.3000e-004	0.0000	14.5478
Total	6.3300e-003	4.9200e-003	0.0556	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.5371	14.5371	4.3000e-004	0.0000	14.5478

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	0.3840					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.3862	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

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3.7 Architectural Coating - 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	6.3300e-003	4.9200e-003	0.0556	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.5371	14.5371	4.3000e-004	0.0000	14.5478
Total	6.3300e-003	4.9200e-003	0.0556	1.6000e-004	0.0161	1.3000e-004	0.0162	4.2800e-003	1.2000e-004	4.4000e-003	0.0000	14.5371	14.5371	4.3000e-004	0.0000	14.5478

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	1.3163	6.2306	17.4201	0.0705	6.3273	0.0539	6.3812	1.6957	0.0501	1.7457	0.0000	6,526.8426	6,526.8426	0.3054	0.0000	6,534.4774
Unmitigated	1.3163	6.2306	17.4201	0.0705	6.3273	0.0539	6.3812	1.6957	0.0501	1.7457	0.0000	6,526.8426	6,526.8426	0.3054	0.0000	6,534.4774

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	794.69	989.81	824.00	1,126,720	1,126,720
Total	5,449.69	5,462.81	4,926.00	16,674,761	16,674,761

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

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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
Enclosed Parking with Elevator	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
High Turnover (Sit Down Restaurant)	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,997.5352	1,997.5352	0.0825	0.0171	2,004.6815
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,997.5352	1,997.5352	0.0825	0.0171	2,004.6815
NaturalGas Mitigated	0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	577.3734	577.3734	0.0111	0.0106	580.8045
NaturalGas Unmitigated	0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	577.3734	577.3734	0.0111	0.0106	580.8045

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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	9.37732e+006	0.0506	0.4321	0.1839	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.4095	500.4095	9.5900e-003	9.1700e-003	503.3831
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.44225e+006	7.7800e-003	0.0707	0.0594	4.2000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003	0.0000	76.9640	76.9640	1.4800e-003	1.4100e-003	77.4213
Total		0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	577.3734	577.3734	0.0111	0.0106	580.8045

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	9.37732e+006	0.0506	0.4321	0.1839	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.4095	500.4095	9.5900e-003	9.1700e-003	503.3831
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.44225e+006	7.7800e-003	0.0707	0.0594	4.2000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003	0.0000	76.9640	76.9640	1.4800e-003	1.4100e-003	77.4213
Total		0.0583	0.5028	0.2433	3.1800e-003		0.0403	0.0403		0.0403	0.0403	0.0000	577.3734	577.3734	0.0111	0.0106	580.8045

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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	2.83372e+006	902.8836	0.0373	7.7100e-003	906.1137
Enclosed Parking with Elevator	3.15971e+006	1,006.7519	0.0416	8.6000e-003	1,010.3536
High Turnover (Sit Down Restaurant)	275875	87.8997	3.6300e-003	7.5000e-004	88.2142
Total		1,997.5352	0.0825	0.0171	2,004.6815

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.83372e+006	902.8836	0.0373	7.7100e-003	906.1137
Enclosed Parking with Elevator	3.15971e+006	1,006.7519	0.0416	8.6000e-003	1,010.3536
High Turnover (Sit Down Restaurant)	275875	87.8997	3.6300e-003	7.5000e-004	88.2142
Total		1,997.5352	0.0825	0.0171	2,004.6815

6.0 Area Detail

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6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.4999	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922
Unmitigated	4.4999	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

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	0.1635					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.2928	0.1816	4.4498	0.0114		0.6684	0.6684		0.6684	0.6684	74.3534	142.8816	217.2349	0.2217	5.0500e-003	224.2822
Landscaping	0.2181	0.0832	7.2293	3.8000e-004		0.0401	0.0401		0.0401	0.0401	0.0000	11.8255	11.8255	0.0114	0.0000	12.1100
Total	4.5000	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922

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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	0.1635					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8255					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.2928	0.1816	4.4498	0.0114		0.6684	0.6684		0.6684	0.6684	74.3534	142.8816	217.2349	0.2217	5.0500e-003	224.2822
Landscaping	0.2181	0.0832	7.2293	3.8000e-004		0.0401	0.0401		0.0401	0.0401	0.0000	11.8255	11.8255	0.0114	0.0000	12.1100
Total	4.5000	0.2648	11.6791	0.0117		0.7085	0.7085		0.7085	0.7085	74.3534	154.7071	229.0604	0.2331	5.0500e-003	236.3922

7.0 Water Detail

7.1 Mitigation Measures Water

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	314.3681	1.5603	0.0391	365.0295
Unmitigated	314.3681	1.5603	0.0391	365.0295

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	45.6078 / 28.7528	305.4670	1.4982	0.0376	354.1184
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.89709 / 0.121091	8.9011	0.0622	1.5300e-003	10.9112
Total		314.3681	1.5603	0.0391	365.0295

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	45.6078 / 28.7528	305.4670	1.4982	0.0376	354.1184
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.89709 / 0.121091	8.9011	0.0622	1.5300e-003	10.9112
Total		314.3681	1.5603	0.0391	365.0295

8.0 Waste Detail

8.1 Mitigation Measures Waste

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	80.4616	4.7551	0.0000	199.3401
Unmitigated	80.4616	4.7551	0.0000	199.3401

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	322	65.3631	3.8629	0.0000	161.9343
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	74.38	15.0985	0.8923	0.0000	37.4058
Total		80.4616	4.7551	0.0000	199.3401

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	322	65.3631	3.8629	0.0000	161.9343
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	74.38	15.0985	0.8923	0.0000	37.4058
Total		80.4616	4.7551	0.0000	199.3401

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

11.0 Vegetation

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Apartments Mid Rise	700.00	Dwelling Unit	7.20	489,298.00	2002

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/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Res A-257,248sf (3.6ac); B-196,900sf (2.85ac); Interger: 44,150sf res (0.75ac over restaurant) | Interger-restaurant: 6,250sf (0.14ac) | Park A&B 1,082 space (1.27); Interger 226 space (0.51ac)

Demolition - Parcel 8528-011-925 (114,599sf)

Grading - Export 2,045 | Import 6,820

Architectural Coating - Mitigated run requiring the use of 10 g/L (i.e., "super compliant") VOC interior and exterior arch coating. Requires the development of a Coating Restriction Plan, consistent with SCAQMD guidelines.

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Area Mitigation -

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblGrading	MaterialExported	0.00	2,045.00
tblGrading	MaterialImported	0.00	6,820.00
tblLandUse	LandUseSquareFeet	700,000.00	489,298.00
tblLandUse	LotAcreage	12.13	1.78
tblLandUse	LotAcreage	18.42	7.20
tblTripsAndVMT	HaulingTripNumber	521.00	0.00
tblTripsAndVMT	HaulingTripNumber	1,108.00	0.00

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Energy	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
Mobile	7.9845	34.3889	103.1114	0.4155	36.6852	0.3067	36.9918	9.8154	0.2849	10.1003		42,389.3660	42,389.3660	1.9289		42,437.5881
Total	204.3730	52.3336	518.2646	1.3441	36.6852	54.3200	91.0051	9.8154	54.2982	64.1136	6,556.8429	58,581.0201	65,137.8630	21.6499	0.5090	65,830.7814

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	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Energy	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
Mobile	7.9845	34.3889	103.1114	0.4155	36.6852	0.3067	36.9918	9.8154	0.2849	10.1003		42,389.3660	42,389.3660	1.9289		42,437.5881
Total	204.3730	52.3336	518.2646	1.3441	36.6852	54.3200	91.0051	9.8154	54.2982	64.1136	6,556.8429	58,581.0201	65,137.8630	21.6499	0.5090	65,830.7814

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	2/11/2020	5	10	
3	Grading	Grading	2/12/2020	3/10/2020	5	20	
4	Building Construction	Building Construction	3/11/2020	1/26/2021	5	230	
5	Paving	Paving	1/27/2021	2/23/2021	5	20	
6	Architectural Coating	Architectural Coating	2/24/2021	3/23/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.78

Residential Indoor: 990,828; Residential Outdoor: 330,276; Non-Residential Indoor: 9,375; Non-Residential Outdoor: 3,125; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

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

Trips and VMT

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	733.00	164.00	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
Architectural Coating	1	147.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.6403	0.0000	5.6403	0.8540	0.0000	0.8540			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	5.6403	1.6587	7.2990	0.8540	1.5419	2.3958		3,747.7049	3,747.7049	1.0580		3,774.1536

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1997	0.0000	2.1997	0.3331	0.0000	0.3331			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.1997	1.6587	3.8584	0.3331	1.5419	1.8749	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
Total	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560

3.3 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

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.3 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			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	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.3 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	0.2012	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

3.4 Grading - 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					6.6025	0.0000	6.6025	3.3751	0.0000	3.3751			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.6025	1.2734	7.8759	3.3751	1.1716	4.5466		2,872.4851	2,872.4851	0.9290		2,895.7106

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5750	0.0000	2.5750	1.3163	0.0000	1.3163			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	2.5750	1.2734	3.8484	1.3163	1.1716	2.4878	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

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

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 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	0.5833	17.4451	4.5708	0.0425	1.0499	0.0821	1.1320	0.3023	0.0785	0.3808		4,543.2050	4,543.2050	0.2772		4,550.1360
Worker	3.3733	2.3998	32.0940	0.0866	8.1932	0.0685	8.2617	2.1729	0.0631	2.2360		8,620.9074	8,620.9074	0.2718		8,627.7023
Total	3.9566	19.8449	36.6648	0.1291	9.2431	0.1506	9.3937	2.4752	0.1416	2.6168		13,164.1124	13,164.1124	0.5490		13,177.8383

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 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	0.5833	17.4451	4.5708	0.0425	1.0499	0.0821	1.1320	0.3023	0.0785	0.3808		4,543.2050	4,543.2050	0.2772		4,550.1360
Worker	3.3733	2.3998	32.0940	0.0866	8.1932	0.0685	8.2617	2.1729	0.0631	2.2360		8,620.9074	8,620.9074	0.2718		8,627.7023
Total	3.9566	19.8449	36.6648	0.1291	9.2431	0.1506	9.3937	2.4752	0.1416	2.6168		13,164.1124	13,164.1124	0.5490		13,177.8383

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.4985	15.9227	4.1626	0.0422	1.0500	0.0326	1.0825	0.3023	0.0311	0.3334		4,508.0423	4,508.0423	0.2656		4,514.6819
Worker	3.1421	2.1597	29.5233	0.0838	8.1932	0.0662	8.2594	2.1729	0.0610	2.2339		8,347.1830	8,347.1830	0.2460		8,353.3318
Total	3.6406	18.0824	33.6859	0.1260	9.2432	0.0988	9.3419	2.4752	0.0921	2.5673		12,855.2254	12,855.2254	0.5115		12,868.0136

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.4985	15.9227	4.1626	0.0422	1.0500	0.0326	1.0825	0.3023	0.0311	0.3334		4,508.0423	4,508.0423	0.2656		4,514.6819
Worker	3.1421	2.1597	29.5233	0.0838	8.1932	0.0662	8.2594	2.1729	0.0610	2.2339		8,347.1830	8,347.1830	0.2460		8,353.3318
Total	3.6406	18.0824	33.6859	0.1260	9.2432	0.0988	9.3419	2.4752	0.0921	2.5673		12,855.2254	12,855.2254	0.5115		12,868.0136

3.6 Paving - 2021

Unmitigated Construction On-Site

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

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.6 Paving - 2021

Unmitigated Construction Off-Site

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

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.6 Paving - 2021

Mitigated Construction Off-Site

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

3.7 Architectural Coating - 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					
Archit. Coating	38.4039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	38.6228	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 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	0.6301	0.4331	5.9208	0.0168	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,673.9917	1,673.9917	0.0493		1,675.2248
Total	0.6301	0.4331	5.9208	0.0168	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,673.9917	1,673.9917	0.0493		1,675.2248

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	38.4039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	38.6228	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 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	0.6301	0.4331	5.9208	0.0168	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,673.9917	1,673.9917	0.0493		1,675.2248
Total	0.6301	0.4331	5.9208	0.0168	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,673.9917	1,673.9917	0.0493		1,675.2248

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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	7.9845	34.3889	103.1114	0.4155	36.6852	0.3067	36.9918	9.8154	0.2849	10.1003		42,389.3660	42,389.3660	1.9289		42,437.5881
Unmitigated	7.9845	34.3889	103.1114	0.4155	36.6852	0.3067	36.9918	9.8154	0.2849	10.1003		42,389.3660	42,389.3660	1.9289		42,437.5881

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	794.69	989.81	824.00	1,126,720	1,126,720
Total	5,449.69	5,462.81	4,926.00	16,674,761	16,674,761

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

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
Enclosed Parking with Elevator	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
High Turnover (Sit Down Restaurant)	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
NaturalGas Unmitigated	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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	25691.3	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3951.37	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Total		0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

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	25.6913	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.95137	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Total		0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

6.0 Area Detail

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Unmitigated	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

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	0.8958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0028					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7450	0.6658	57.8341	3.0600e-003		0.3206	0.3206		0.3206	0.3206		104.2830	104.2830	0.1004		106.7918
Total	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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	0.8958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0028					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7450	0.6658	57.8341	3.0600e-003		0.3206	0.3206		0.3206	0.3206		104.2830	104.2830	0.1004		106.7918
Total	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

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

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Apartments Mid Rise	700.00	Dwelling Unit	7.20	489,298.00	2002

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/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Res A-257,248sf (3.6ac); B-196,900sf (2.85ac); Interger: 44,150sf res (0.75ac over restaurant) | Interger-restaurant: 6,250sf (0.14ac) | Park A&B 1,082 space (1.27); Interger 226 space (0.51ac)

Demolition - Parcel 8528-011-925 (114,599sf)

Grading - Export 2,045 | Import 6,820

Architectural Coating - Mitigated run requiring the use of 10 g/L (i.e., "super compliant") VOC interior and exterior arch coating. Requires the development of a Coating Restriction Plan, consistent with SCAQMD guidelines.

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Area Mitigation -

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblGrading	MaterialExported	0.00	2,045.00
tblGrading	MaterialImported	0.00	6,820.00
tblLandUse	LandUseSquareFeet	700,000.00	489,298.00
tblLandUse	LotAcreage	12.13	1.78
tblLandUse	LotAcreage	18.42	7.20
tblTripsAndVMT	HaulingTripNumber	521.00	0.00
tblTripsAndVMT	HaulingTripNumber	1,108.00	0.00

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Energy	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
Mobile	7.7295	35.0896	97.9055	0.3955	36.6852	0.3079	36.9930	9.8154	0.2860	10.1015		40,373.3970	40,373.3970	1.9274		40,421.5826
Total	204.1180	53.0342	513.0587	1.3241	36.6852	54.3212	91.0064	9.8154	54.2994	64.1148	6,556.8429	56,565.0511	63,121.8940	21.6484	0.5090	63,814.7759

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	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Energy	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
Mobile	7.7295	35.0896	97.9055	0.3955	36.6852	0.3079	36.9930	9.8154	0.2860	10.1015		40,373.3970	40,373.3970	1.9274		40,421.5826
Total	204.1180	53.0342	513.0587	1.3241	36.6852	54.3212	91.0064	9.8154	54.2994	64.1148	6,556.8429	56,565.0511	63,121.8940	21.6484	0.5090	63,814.7759

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Site Preparation	Site Preparation	1/29/2020	2/11/2020	5	10	
3	Grading	Grading	2/12/2020	3/10/2020	5	20	
4	Building Construction	Building Construction	3/11/2020	1/26/2021	5	230	
5	Paving	Paving	1/27/2021	2/23/2021	5	20	
6	Architectural Coating	Architectural Coating	2/24/2021	3/23/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.78

Residential Indoor: 990,828; Residential Outdoor: 330,276; Non-Residential Indoor: 9,375; Non-Residential Outdoor: 3,125; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

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

Trips and VMT

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	733.00	164.00	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
Architectural Coating	1	147.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.6403	0.0000	5.6403	0.8540	0.0000	0.8540			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	5.6403	1.6587	7.2990	0.8540	1.5419	2.3958		3,747.7049	3,747.7049	1.0580		3,774.1536

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1997	0.0000	2.1997	0.3331	0.0000	0.3331			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.1997	1.6587	3.8584	0.3331	1.5419	1.8749	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.2 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
Total	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440

3.3 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

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.3 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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			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	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.3 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	0.2012	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

3.4 Grading - 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					6.6025	0.0000	6.6025	3.3751	0.0000	3.3751			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	6.6025	1.2734	7.8759	3.3751	1.1716	4.5466		2,872.4851	2,872.4851	0.9290		2,895.7106

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5750	0.0000	2.5750	1.3163	0.0000	1.3163			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106
Total	2.4288	26.3859	16.0530	0.0297	2.5750	1.2734	3.8484	1.3163	1.1716	2.4878	0.0000	2,872.4851	2,872.4851	0.9290		2,895.7106

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

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

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 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	0.6098	17.4415	5.0411	0.0414	1.0499	0.0834	1.1333	0.3023	0.0798	0.3821		4,418.9647	4,418.9647	0.2955		4,426.3520
Worker	3.7458	2.6569	29.3941	0.0815	8.1932	0.0685	8.2617	2.1729	0.0631	2.2360		8,117.3914	8,117.3914	0.2559		8,123.7878
Total	4.3556	20.0984	34.4352	0.1229	9.2431	0.1519	9.3950	2.4752	0.1429	2.6181		12,536.3561	12,536.3561	0.5513		12,550.1397

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 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	0.6098	17.4415	5.0411	0.0414	1.0499	0.0834	1.1333	0.3023	0.0798	0.3821		4,418.9647	4,418.9647	0.2955		4,426.3520
Worker	3.7458	2.6569	29.3941	0.0815	8.1932	0.0685	8.2617	2.1729	0.0631	2.2360		8,117.3914	8,117.3914	0.2559		8,123.7878
Total	4.3556	20.0984	34.4352	0.1229	9.2431	0.1519	9.3950	2.4752	0.1429	2.6181		12,536.3561	12,536.3561	0.5513		12,550.1397

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.5233	15.8898	4.6046	0.0410	1.0500	0.0336	1.0836	0.3023	0.0321	0.3344		4,384.4666	4,384.4666	0.2831		4,391.5428
Worker	3.4951	2.3907	26.9931	0.0789	8.1932	0.0662	8.2594	2.1729	0.0610	2.2339		7,859.6005	7,859.6005	0.2313		7,865.3825
Total	4.0184	18.2804	31.5978	0.1199	9.2432	0.0998	9.3430	2.4752	0.0931	2.5683		12,244.0671	12,244.0671	0.5143		12,256.9252

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.5233	15.8898	4.6046	0.0410	1.0500	0.0336	1.0836	0.3023	0.0321	0.3344		4,384.4666	4,384.4666	0.2831		4,391.5428
Worker	3.4951	2.3907	26.9931	0.0789	8.1932	0.0662	8.2594	2.1729	0.0610	2.2339		7,859.6005	7,859.6005	0.2313		7,865.3825
Total	4.0184	18.2804	31.5978	0.1199	9.2432	0.0998	9.3430	2.4752	0.0931	2.5683		12,244.0671	12,244.0671	0.5143		12,256.9252

3.6 Paving - 2021

Unmitigated Construction On-Site

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

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.6 Paving - 2021

Unmitigated Construction Off-Site

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

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.6 Paving - 2021

Mitigated Construction Off-Site

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

3.7 Architectural Coating - 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					
Archit. Coating	38.4039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	38.6228	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 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	0.7009	0.4794	5.4134	0.0158	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,576.209 1	1,576.209 1	0.0464		1,577.368 7
Total	0.7009	0.4794	5.4134	0.0158	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,576.209 1	1,576.209 1	0.0464		1,577.368 7

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	38.4039					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	38.6228	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 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	0.7009	0.4794	5.4134	0.0158	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,576.209 1	1,576.209 1	0.0464		1,577.368 7
Total	0.7009	0.4794	5.4134	0.0158	1.6431	0.0133	1.6564	0.4358	0.0122	0.4480		1,576.209 1	1,576.209 1	0.0464		1,577.368 7

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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	7.7295	35.0896	97.9055	0.3955	36.6852	0.3079	36.9930	9.8154	0.2860	10.1015		40,373.3970	40,373.3970	1.9274		40,421.5826
Unmitigated	7.7295	35.0896	97.9055	0.3955	36.6852	0.3079	36.9930	9.8154	0.2860	10.1015		40,373.3970	40,373.3970	1.9274		40,421.5826

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	794.69	989.81	824.00	1,126,720	1,126,720
Total	5,449.69	5,462.81	4,926.00	16,674,761	16,674,761

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43

4.4 Fleet Mix

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

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
Enclosed Parking with Elevator	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
High Turnover (Sit Down Restaurant)	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949
NaturalGas Unmitigated	0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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	25691.3	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3951.37	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Total		0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

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	25.6913	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	3.95137	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Total		0.3197	2.7550	1.3329	0.0174		0.2209	0.2209		0.2209	0.2209		3,487.3712	3,487.3712	0.0668	0.0639	3,508.0949

6.0 Area Detail

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985
Unmitigated	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

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	0.8958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0028					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7450	0.6658	57.8341	3.0600e-003		0.3206	0.3206		0.3206	0.3206		104.2830	104.2830	0.1004		106.7918
Total	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - 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	0.8958					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.0028					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7450	0.6658	57.8341	3.0600e-003		0.3206	0.3206		0.3206	0.3206		104.2830	104.2830	0.1004		106.7918
Total	196.0688	15.1897	413.8204	0.9112		53.7925	53.7925		53.7925	53.7925	6,556.8429	12,704.2830	19,261.1259	19.6541	0.4450	19,885.0985

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan - Phase 1 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	100.00	1000sqft	2.30	100,000.00	0
Apartments Mid Rise	700.00	Dwelling Unit	6.60	700,000.00	2002
Strip Mall	6.75	1000sqft	1.02	6,750.00	0

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/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Phase 2 includes up to 700 units, 6,750sf retail, and 100,000sf of office. Specific locations unknown. Acreage (9.92) reflects total remaining parcel area (6.6 and 3.32)

Demolition - Parcel 8528-011-023 (128,466sf) + Parcel 8528-011-024 (70,890sf)

Architectural Coating - Mitigated run requiring the use of 10 g/L (i.e., "super compliant") VOC interior and exterior arch coating. Requires the development of a Coating Restriction Plan, consistent with SCAQMD guidelines.

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblLandUse	LotAcreage	18.42	6.60
tblLandUse	LotAcreage	0.15	1.02

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	1.0285	1.0285
2	4-1-2022	6-30-2022	0.9643	0.9643
3	7-1-2022	9-30-2022	0.9749	0.9749
4	10-1-2022	12-31-2022	0.9878	0.9878
5	1-1-2023	3-31-2023	0.8766	0.8766
		Highest	1.0285	1.0285

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	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592
Energy	0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	1,902.3591	1,902.3591	0.0662	0.0217	1,910.4811
Mobile	1.4294	6.7916	19.3895	0.0790	7.1219	0.0603	7.1822	1.9086	0.0560	1.9646	0.0000	7,317.6758	7,317.6758	0.3403	0.0000	7,326.1841
Waste						0.0000	0.0000		0.0000	0.0000	85.6805	0.0000	85.6805	5.0636	0.0000	212.2697
Water						0.0000	0.0000		0.0000	0.0000	20.2666	406.4557	426.7223	2.0984	0.0526	494.8624
Total	7.1788	7.5399	31.2799	0.0938	7.1219	0.8075	7.9294	1.9086	0.8033	2.7119	180.3004	9,781.1668	9,961.4671	7.8015	0.0794	10,180.1565

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592
Energy	0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	1,902.3591	1,902.3591	0.0662	0.0217	1,910.4811
Mobile	1.4294	6.7916	19.3895	0.0790	7.1219	0.0603	7.1822	1.9086	0.0560	1.9646	0.0000	7,317.6758	7,317.6758	0.3403	0.0000	7,326.1841
Waste						0.0000	0.0000		0.0000	0.0000	85.6805	0.0000	85.6805	5.0636	0.0000	212.2697
Water						0.0000	0.0000		0.0000	0.0000	20.2666	406.4557	426.7223	2.0984	0.0526	494.8624
Total	7.1788	7.5399	31.2799	0.0938	7.1219	0.8075	7.9294	1.9086	0.8033	2.7119	180.3004	9,781.1668	9,961.4671	7.8015	0.0794	10,180.1565

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

3.0 Construction Detail

Construction Phase

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/11/2022	5	10	
3	Grading	Grading	2/12/2022	3/11/2022	5	20	
4	Building Construction	Building Construction	3/12/2022	1/27/2023	5	230	
5	Paving	Paving	1/28/2023	2/24/2023	5	20	
6	Architectural Coating	Architectural Coating	2/25/2023	3/24/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 1,417,500; Residential Outdoor: 472,500; Non-Residential Indoor: 160,125; Non-Residential Outdoor: 53,375; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
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
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	108.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	538.00	92.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	907.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0981	0.0000	0.0981	0.0149	0.0000	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	0.0981	0.0124	0.1106	0.0149	0.0116	0.0264	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

3.2 Demolition - 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	3.6400e-003	0.1165	0.0290	3.5000e-004	7.7900e-003	3.3000e-004	8.1200e-003	2.1400e-003	3.1000e-004	2.4500e-003	0.0000	34.1590	34.1590	2.3600e-003	0.0000	34.2181
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	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	4.2500e-003	0.1170	0.0342	3.7000e-004	9.4300e-003	3.4000e-004	9.7800e-003	2.5800e-003	3.2000e-004	2.9000e-003	0.0000	35.5903	35.5903	2.4000e-003	0.0000	35.6503

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					0.0383	0.0000	0.0383	5.7900e-003	0.0000	5.7900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	0.0383	0.0124	0.0507	5.7900e-003	0.0116	0.0173	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

3.2 Demolition - 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	3.6400e-003	0.1165	0.0290	3.5000e-004	7.7900e-003	3.3000e-004	8.1200e-003	2.1400e-003	3.1000e-004	2.4500e-003	0.0000	34.1590	34.1590	2.3600e-003	0.0000	34.2181
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	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	4.2500e-003	0.1170	0.0342	3.7000e-004	9.4300e-003	3.4000e-004	9.7800e-003	2.5800e-003	3.2000e-004	2.9000e-003	0.0000	35.5903	35.5903	2.4000e-003	0.0000	35.6503

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0903	8.0600e-003	0.0984	0.0497	7.4200e-003	0.0571	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

3.3 Site Preparation - 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	3.6000e-004	2.7000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8587	0.8587	2.0000e-005	0.0000	0.8593
Total	3.6000e-004	2.7000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8587	0.8587	2.0000e-005	0.0000	0.8593

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					0.0352	0.0000	0.0352	0.0194	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0352	8.0600e-003	0.0433	0.0194	7.4200e-003	0.0268	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

3.3 Site Preparation - 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	3.6000e-004	2.7000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8587	0.8587	2.0000e-005	0.0000	0.8593
Total	3.6000e-004	2.7000e-004	3.1400e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8587	0.8587	2.0000e-005	0.0000	0.8593

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654
Total	0.0195	0.2086	0.1527	3.0000e-004	0.0655	9.4100e-003	0.0749	0.0337	8.6600e-003	0.0423	0.0000	26.0548	26.0548	8.4300e-003	0.0000	26.2654

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

3.4 Grading - 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	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322

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					0.0256	0.0000	0.0256	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0195	0.2086	0.1527	3.0000e-004		9.4100e-003	9.4100e-003		8.6600e-003	8.6600e-003	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654
Total	0.0195	0.2086	0.1527	3.0000e-004	0.0256	9.4100e-003	0.0350	0.0131	8.6600e-003	0.0218	0.0000	26.0547	26.0547	8.4300e-003	0.0000	26.2654

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3.4 Grading - 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	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322
Total	6.1000e-004	4.5000e-004	5.2300e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4312	1.4312	4.0000e-005	0.0000	1.4322

3.5 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	0.1792	1.6396	1.7182	2.8300e-003		0.0850	0.0850		0.0799	0.0799	0.0000	243.3115	243.3115	0.0583	0.0000	244.7688
Total	0.1792	1.6396	1.7182	2.8300e-003		0.0850	0.0850		0.0799	0.0799	0.0000	243.3115	243.3115	0.0583	0.0000	244.7688

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3.5 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	0.0282	0.9057	0.2446	2.4300e-003	0.0609	1.7000e-003	0.0626	0.0176	1.6300e-003	0.0192	0.0000	236.0243	236.0243	0.0141	0.0000	236.3767
Worker	0.2279	0.1709	1.9683	5.9600e-003	0.6190	4.9400e-003	0.6240	0.1644	4.5500e-003	0.1690	0.0000	539.0020	539.0020	0.0148	0.0000	539.3731
Total	0.2561	1.0767	2.2128	8.3900e-003	0.6799	6.6400e-003	0.6865	0.1820	6.1800e-003	0.1882	0.0000	775.0263	775.0263	0.0289	0.0000	775.7498

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	0.1792	1.6396	1.7182	2.8300e-003		0.0850	0.0850		0.0799	0.0799	0.0000	243.3112	243.3112	0.0583	0.0000	244.7685
Total	0.1792	1.6396	1.7182	2.8300e-003		0.0850	0.0850		0.0799	0.0799	0.0000	243.3112	243.3112	0.0583	0.0000	244.7685

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3.5 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	0.0282	0.9057	0.2446	2.4300e-003	0.0609	1.7000e-003	0.0626	0.0176	1.6300e-003	0.0192	0.0000	236.0243	236.0243	0.0141	0.0000	236.3767
Worker	0.2279	0.1709	1.9683	5.9600e-003	0.6190	4.9400e-003	0.6240	0.1644	4.5500e-003	0.1690	0.0000	539.0020	539.0020	0.0148	0.0000	539.3731
Total	0.2561	1.0767	2.2128	8.3900e-003	0.6799	6.6400e-003	0.6865	0.1820	6.1800e-003	0.1882	0.0000	775.0263	775.0263	0.0289	0.0000	775.7498

3.5 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	0.0157	0.1439	0.1624	2.7000e-004		7.0000e-003	7.0000e-003		6.5800e-003	6.5800e-003	0.0000	23.1805	23.1805	5.5100e-003	0.0000	23.3183
Total	0.0157	0.1439	0.1624	2.7000e-004		7.0000e-003	7.0000e-003		6.5800e-003	6.5800e-003	0.0000	23.1805	23.1805	5.5100e-003	0.0000	23.3183

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3.5 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	1.9900e-003	0.0652	0.0209	2.2000e-004	5.8000e-003	8.0000e-005	5.8700e-003	1.6700e-003	7.0000e-005	1.7500e-003	0.0000	21.7748	21.7748	1.1900e-003	0.0000	21.8045
Worker	0.0204	0.0147	0.1724	5.5000e-004	0.0590	4.6000e-004	0.0594	0.0157	4.2000e-004	0.0161	0.0000	49.4551	49.4551	1.2700e-003	0.0000	49.4869
Total	0.0224	0.0799	0.1933	7.7000e-004	0.0648	5.4000e-004	0.0653	0.0173	4.9000e-004	0.0178	0.0000	71.2299	71.2299	2.4600e-003	0.0000	71.2914

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	0.0157	0.1439	0.1624	2.7000e-004		7.0000e-003	7.0000e-003		6.5800e-003	6.5800e-003	0.0000	23.1805	23.1805	5.5100e-003	0.0000	23.3183
Total	0.0157	0.1439	0.1624	2.7000e-004		7.0000e-003	7.0000e-003		6.5800e-003	6.5800e-003	0.0000	23.1805	23.1805	5.5100e-003	0.0000	23.3183

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3.5 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	1.9900e-003	0.0652	0.0209	2.2000e-004	5.8000e-003	8.0000e-005	5.8700e-003	1.6700e-003	7.0000e-005	1.7500e-003	0.0000	21.7748	21.7748	1.1900e-003	0.0000	21.8045
Worker	0.0204	0.0147	0.1724	5.5000e-004	0.0590	4.6000e-004	0.0594	0.0157	4.2000e-004	0.0161	0.0000	49.4551	49.4551	1.2700e-003	0.0000	49.4869
Total	0.0224	0.0799	0.1933	7.7000e-004	0.0648	5.4000e-004	0.0653	0.0173	4.9000e-004	0.0178	0.0000	71.2299	71.2299	2.4600e-003	0.0000	71.2914

3.6 Paving - 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	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888

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3.6 Paving - 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	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798

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	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888

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3.6 Paving - 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	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798
Total	5.7000e-004	4.1000e-004	4.8100e-003	2.0000e-005	1.6400e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3789	1.3789	4.0000e-005	0.0000	1.3798

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	0.4875					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	0.4894	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

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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	4.1000e-003	2.9600e-003	0.0346	1.1000e-004	0.0118	9.0000e-005	0.0119	3.1400e-003	8.0000e-005	3.2300e-003	0.0000	9.9278	9.9278	2.6000e-004	0.0000	9.9342
Total	4.1000e-003	2.9600e-003	0.0346	1.1000e-004	0.0118	9.0000e-005	0.0119	3.1400e-003	8.0000e-005	3.2300e-003	0.0000	9.9278	9.9278	2.6000e-004	0.0000	9.9342

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	0.4875					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	0.4894	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

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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	4.1000e-003	2.9600e-003	0.0346	1.1000e-004	0.0118	9.0000e-005	0.0119	3.1400e-003	8.0000e-005	3.2300e-003	0.0000	9.9278	9.9278	2.6000e-004	0.0000	9.9342
Total	4.1000e-003	2.9600e-003	0.0346	1.1000e-004	0.0118	9.0000e-005	0.0119	3.1400e-003	8.0000e-005	3.2300e-003	0.0000	9.9278	9.9278	2.6000e-004	0.0000	9.9342

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	1.4294	6.7916	19.3895	0.0790	7.1219	0.0603	7.1822	1.9086	0.0560	1.9646	0.0000	7,317.6758	7,317.6758	0.3403	0.0000	7,326.1841
Unmitigated	1.4294	6.7916	19.3895	0.0790	7.1219	0.0603	7.1822	1.9086	0.0560	1.9646	0.0000	7,317.6758	7,317.6758	0.3403	0.0000	7,326.1841

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
General Office Building	1,103.00	246.00	105.00	2,699,584	2,699,584
Strip Mall	299.16	283.77	137.90	521,168	521,168
Total	6,057.16	5,002.77	4,344.90	18,768,793	18,768,793

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

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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
General Office Building	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,345.8072	1,345.8072	0.0556	0.0115	1,350.6219
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,345.8072	1,345.8072	0.0556	0.0115	1,350.6219
NaturalGas Mitigated	0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	556.5519	556.5519	0.0107	0.0102	559.8592
NaturalGas Unmitigated	0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	556.5519	556.5519	0.0107	0.0102	559.8592

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	9.37732e+006	0.0506	0.4321	0.1839	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.4095	500.4095	9.5900e-003	9.1700e-003	503.3831
General Office Building	1.041e+006	5.6100e-003	0.0510	0.0429	3.1000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	55.5517	55.5517	1.0600e-003	1.0200e-003	55.8818
Strip Mall	11070	6.0000e-005	5.4000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5907	0.5907	1.0000e-005	1.0000e-005	0.5943
Total		0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	556.5519	556.5519	0.0107	0.0102	559.8592

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	9.37732e+006	0.0506	0.4321	0.1839	2.7600e-003		0.0349	0.0349		0.0349	0.0349	0.0000	500.4095	500.4095	9.5900e-003	9.1700e-003	503.3831
General Office Building	1.041e+006	5.6100e-003	0.0510	0.0429	3.1000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	55.5517	55.5517	1.0600e-003	1.0200e-003	55.8818
Strip Mall	11070	6.0000e-005	5.4000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5907	0.5907	1.0000e-005	1.0000e-005	0.5943
Total		0.0562	0.4837	0.2272	3.0700e-003		0.0389	0.0389		0.0389	0.0389	0.0000	556.5519	556.5519	0.0107	0.0102	559.8592

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	2.83372e+006	902.8836	0.0373	7.7100e-003	906.1137
General Office Building	1.299e+006	413.8892	0.0171	3.5400e-003	415.3699
Strip Mall	91125	29.0344	1.2000e-003	2.5000e-004	29.1383
Total		1,345.8072	0.0556	0.0115	1,350.6219

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	2.83372e+006	902.8836	0.0373	7.7100e-003	906.1137
General Office Building	1.299e+006	413.8892	0.0171	3.5400e-003	415.3699
Strip Mall	91125	29.0344	1.2000e-003	2.5000e-004	29.1383
Total		1,345.8072	0.0556	0.0115	1,350.6219

6.0 Area Detail

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592
Unmitigated	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

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	0.2685					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9152					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.2928	0.1816	4.4498	0.0114		0.6684	0.6684		0.6684	0.6684	74.3534	142.8816	217.2349	0.2217	5.0500e-003	224.2822
Landscaping	0.2167	0.0831	7.2134	3.8000e-004		0.0400	0.0400		0.0400	0.0400	0.0000	11.7945	11.7945	0.0113	0.0000	12.0770
Total	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	0.2685					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.9152					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	2.2928	0.1816	4.4498	0.0114		0.6684	0.6684		0.6684	0.6684	74.3534	142.8816	217.2349	0.2217	5.0500e-003	224.2822
Landscaping	0.2167	0.0831	7.2134	3.8000e-004		0.0400	0.0400		0.0400	0.0400	0.0000	11.7945	11.7945	0.0113	0.0000	12.0770
Total	5.6932	0.2646	11.6632	0.0117		0.7084	0.7084		0.7084	0.7084	74.3534	154.6761	229.0295	0.2330	5.0500e-003	236.3592

7.0 Water Detail

7.1 Mitigation Measures Water

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	426.7223	2.0984	0.0526	494.8624
Unmitigated	426.7223	2.0984	0.0526	494.8624

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	45.6078 / 28.7528	305.4670	1.4982	0.0376	354.1184
General Office Building	17.7734 / 10.8934	117.9375	0.5838	0.0146	136.8930
Strip Mall	0.49999 / 0.306445	3.3178	0.0164	4.1000e-004	3.8510
Total		426.7223	2.0984	0.0526	494.8624

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	45.6078 / 28.7528	305.4670	1.4982	0.0376	354.1184
General Office Building	17.7734 / 10.8934	117.9375	0.5838	0.0146	136.8930
Strip Mall	0.49999 / 0.306445	3.3178	0.0164	4.1000e-004	3.8510
Total		426.7223	2.0984	0.0526	494.8624

8.0 Waste Detail

8.1 Mitigation Measures Waste

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	85.6805	5.0636	0.0000	212.2697
Unmitigated	85.6805	5.0636	0.0000	212.2697

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	322	65.3631	3.8629	0.0000	161.9343
General Office Building	93	18.8782	1.1157	0.0000	46.7698
Strip Mall	7.09	1.4392	0.0851	0.0000	3.5656
Total		85.6805	5.0636	0.0000	212.2697

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	322	65.3631	3.8629	0.0000	161.9343
General Office Building	93	18.8782	1.1157	0.0000	46.7698
Strip Mall	7.09	1.4392	0.0851	0.0000	3.5656
Total		85.6805	5.0636	0.0000	212.2697

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Annual

11.0 Vegetation

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	100.00	1000sqft	2.30	100,000.00	0
Apartments Mid Rise	700.00	Dwelling Unit	6.60	700,000.00	2002
Strip Mall	6.75	1000sqft	1.02	6,750.00	0

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)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Phase 2 includes up to 700 units, 6,750sf retail, and 100,000sf of office. Specific locations unknown. Acreage (9.92) reflects total remaining parcel area (6.6 and 3.32)

Demolition - Parcel 8528-011-023 (128,466sf) + Parcel 8528-011-024 (70,890sf)

Architectural Coating - Mitigated run requiring the use of 10 g/L (i.e., "super compliant") VOC interior and exterior arch coating. Requires the development of a Coating Restriction Plan, consistent with SCAQMD guidelines.

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblLandUse	LotAcreage	18.42	6.60
tblLandUse	LotAcreage	0.15	1.02

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Energy	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
Mobile	8.8697	38.3623	118.3577	0.4800	42.5815	0.3533	42.9348	11.3930	0.3282	11.7212		48,971.5309	48,971.5309	2.2143		49,026.8895
Total	211.7811	56.2010	533.2959	1.4080	42.5815	54.3582	96.9397	11.3930	54.3331	65.7261	6,556.8429	65,037.1489	71,593.9918	21.9322	0.5067	72,293.2816

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	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Energy	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
Mobile	8.8697	38.3623	118.3577	0.4800	42.5815	0.3533	42.9348	11.3930	0.3282	11.7212		48,971.5309	48,971.5309	2.2143		49,026.8895
Total	211.7811	56.2010	533.2959	1.4080	42.5815	54.3582	96.9397	11.3930	54.3331	65.7261	6,556.8429	65,037.1489	71,593.9918	21.9322	0.5067	72,293.2816

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/11/2022	5	10	
3	Grading	Grading	2/12/2022	3/11/2022	5	20	
4	Building Construction	Building Construction	3/12/2022	1/27/2023	5	230	
5	Paving	Paving	1/28/2023	2/24/2023	5	20	
6	Architectural Coating	Architectural Coating	2/25/2023	3/24/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 1,417,500; Residential Outdoor: 472,500; Non-Residential Indoor: 160,125; Non-Residential Outdoor: 53,375; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
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
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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
Architectural Coating	1	108.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	538.00	92.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	907.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.8118	0.0000	9.8118	1.4856	0.0000	1.4856			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	9.8118	1.2427	11.0545	1.4856	1.1553	2.6409		3,746.7812	3,746.7812	1.0524		3,773.0920

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.2 Demolition - 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	0.3598	11.3006	2.8233	0.0349	0.7930	0.0324	0.8254	0.2174	0.0310	0.2484		3,793.2326	3,793.2326	0.2566		3,799.6475
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	0.4201	11.3405	3.3807	0.0366	0.9607	0.0338	0.9944	0.2619	0.0323	0.2941		3,958.0394	3,958.0394	0.2612		3,964.5681

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					3.8266	0.0000	3.8266	0.5794	0.0000	0.5794			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	3.8266	1.2427	5.0693	0.5794	1.1553	1.7346	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.2 Demolition - 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	0.3598	11.3006	2.8233	0.0349	0.7930	0.0324	0.8254	0.2174	0.0310	0.2484		3,793.2326	3,793.2326	0.2566		3,799.6475
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	0.4201	11.3405	3.3807	0.0366	0.9607	0.0338	0.9944	0.2619	0.0323	0.2941		3,958.0394	3,958.0394	0.2612		3,964.5681

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	7.0458	1.6126	8.6584	3.8730	1.4836	5.3565	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 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	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047
Total	0.0723	0.0479	0.6689	1.9800e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		197.7682	197.7682	5.4600e-003		197.9047

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.0464	2,872.0464	0.9289		2,895.2684

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.4 Grading - 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					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	2.5554	0.9409	3.4963	1.3133	0.8656	2.1789	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.4 Grading - 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	0.1677	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

3.5 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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.5 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	0.2625	8.4944	2.2094	0.0234	0.5890	0.0160	0.6050	0.1696	0.0153	0.1849		2,506.870 2	2,506.870 2	0.1439		2,510.466 7
Worker	2.1602	1.4318	19.9922	0.0593	6.0136	0.0471	6.0607	1.5948	0.0434	1.6382		5,911.0723	5,911.0723	0.1632		5,915.151 0
Total	2.4227	9.9262	22.2016	0.0828	6.6026	0.0630	6.6656	1.7644	0.0586	1.8230		8,417.942 4	8,417.942 4	0.3070		8,425.617 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.5 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	0.2625	8.4944	2.2094	0.0234	0.5890	0.0160	0.6050	0.1696	0.0153	0.1849		2,506.870 2	2,506.870 2	0.1439		2,510.466 7
Worker	2.1602	1.4318	19.9922	0.0593	6.0136	0.0471	6.0607	1.5948	0.0434	1.6382		5,911.0723	5,911.0723	0.1632		5,915.151 0
Total	2.4227	9.9262	22.2016	0.0828	6.6026	0.0630	6.6656	1.7644	0.0586	1.8230		8,417.942 4	8,417.942 4	0.3070		8,425.617 6

3.5 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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.5 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	0.1947	6.4452	1.9953	0.0227	0.5890	7.4500e-003	0.5965	0.1696	7.1200e-003	0.1767		2,427.9483	2,427.9483	0.1275		2,431.1354
Worker	2.0286	1.2955	18.4111	0.0571	6.0136	0.0457	6.0593	1.5948	0.0421	1.6369		5,694.6331	5,694.6331	0.1471		5,698.3106
Total	2.2233	7.7407	20.4064	0.0798	6.6026	0.0532	6.6558	1.7644	0.0492	1.8137		8,122.5814	8,122.5814	0.2746		8,129.4460

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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.5 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	0.1947	6.4452	1.9953	0.0227	0.5890	7.4500e-003	0.5965	0.1696	7.1200e-003	0.1767		2,427.9483	2,427.9483	0.1275		2,431.1354
Worker	2.0286	1.2955	18.4111	0.0571	6.0136	0.0457	6.0593	1.5948	0.0421	1.6369		5,694.6331	5,694.6331	0.1471		5,698.3106
Total	2.2233	7.7407	20.4064	0.0798	6.6026	0.0532	6.6558	1.7644	0.0492	1.8137		8,122.5814	8,122.5814	0.2746		8,129.4460

3.6 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

3.6 Paving - 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	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

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3.6 Paving - 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	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748
Total	0.0566	0.0361	0.5133	1.5900e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		158.7723	158.7723	4.1000e-003		158.8748

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	48.7486					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	48.9403	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	0.4072	0.2601	3.6959	0.0115	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,143.1606	1,143.1606	0.0295		1,143.8988
Total	0.4072	0.2601	3.6959	0.0115	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,143.1606	1,143.1606	0.0295		1,143.8988

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	48.7486					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	48.9403	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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	0.4072	0.2601	3.6959	0.0115	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,143.1606	1,143.1606	0.0295		1,143.8988
Total	0.4072	0.2601	3.6959	0.0115	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,143.1606	1,143.1606	0.0295		1,143.8988

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	8.8697	38.3623	118.3577	0.4800	42.5815	0.3533	42.9348	11.3930	0.3282	11.7212		48,971.5309	48,971.5309	2.2143		49,026.8895
Unmitigated	8.8697	38.3623	118.3577	0.4800	42.5815	0.3533	42.9348	11.3930	0.3282	11.7212		48,971.5309	48,971.5309	2.2143		49,026.8895

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
General Office Building	1,103.00	246.00	105.00	2,699,584	2,699,584
Strip Mall	299.16	283.77	137.90	521,168	521,168
Total	6,057.16	5,002.77	4,344.90	18,768,793	18,768,793

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

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
General Office Building	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
NaturalGas Unmitigated	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	25691.3	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
General Office Building	2852.05	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
Strip Mall	30.3288	3.3000e-004	2.9700e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5681	3.5681	7.0000e-005	7.0000e-005	3.5893
Total		0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

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	25.6913	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
General Office Building	2.85205	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
Strip Mall	0.0303288	3.3000e-004	2.9700e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5681	3.5681	7.0000e-005	7.0000e-005	3.5893
Total		0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

6.0 Area Detail

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Unmitigated	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

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	1.4711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.9737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7333	0.6647	57.7070	3.0500e-003		0.3202	0.3202		0.3202	0.3202		104.0100	104.0100	0.0996		106.5010
Total	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	1.4711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.9737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7333	0.6647	57.7070	3.0500e-003		0.3202	0.3202		0.3202	0.3202		104.0100	104.0100	0.0996		106.5010
Total	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Summer

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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	100.00	1000sqft	2.30	100,000.00	0
Apartments Mid Rise	700.00	Dwelling Unit	6.60	700,000.00	2002
Strip Mall	6.75	1000sqft	1.02	6,750.00	0

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/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason

Land Use - Phase 2 includes up to 700 units, 6,750sf retail, and 100,000sf of office. Specific locations unknown. Acreage (9.92) reflects total remaining parcel area (6.6 and 3.32)

Demolition - Parcel 8528-011-023 (128,466sf) + Parcel 8528-011-024 (70,890sf)

Architectural Coating - Mitigated run requiring the use of 10 g/L (i.e., "super compliant") VOC interior and exterior arch coating. Requires the development of a Coating Restriction Plan, consistent with SCAQMD guidelines.

Construction Off-road Equipment Mitigation - Rule 403 Three Times Daily Watering

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblLandUse	LotAcreage	18.42	6.60
tblLandUse	LotAcreage	0.15	1.02

2.0 Emissions Summary

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Energy	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
Mobile	8.5895	39.2045	112.0557	0.4570	42.5815	0.3546	42.9361	11.3930	0.3295	11.7225		46,653.7367	46,653.7367	2.2095		46,708.9738
Total	211.5009	57.0432	526.9939	1.3851	42.5815	54.3595	96.9410	11.3930	54.3344	65.7274	6,556.8429	62,719.3547	69,276.1976	21.9273	0.5067	69,975.3659

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	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Energy	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
Mobile	8.5895	39.2045	112.0557	0.4570	42.5815	0.3546	42.9361	11.3930	0.3295	11.7225		46,653.7367	46,653.7367	2.2095		46,708.9738
Total	211.5009	57.0432	526.9939	1.3851	42.5815	54.3595	96.9410	11.3930	54.3344	65.7274	6,556.8429	62,719.3547	69,276.1976	21.9273	0.5067	69,975.3659

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/11/2022	5	10	
3	Grading	Grading	2/12/2022	3/11/2022	5	20	
4	Building Construction	Building Construction	3/12/2022	1/27/2023	5	230	
5	Paving	Paving	1/28/2023	2/24/2023	5	20	
6	Architectural Coating	Architectural Coating	2/25/2023	3/24/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 1,417,500; Residential Outdoor: 472,500; Non-Residential Indoor: 160,125; Non-Residential Outdoor: 53,375; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
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
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

Trips and VMT

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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
Architectural Coating	1	108.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	538.00	92.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	907.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	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
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.8118	0.0000	9.8118	1.4856	0.0000	1.4856			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	9.8118	1.2427	11.0545	1.4856	1.1553	2.6409		3,746.7812	3,746.7812	1.0524		3,773.0920

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.2 Demolition - 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	0.3685	11.4297	2.9876	0.0343	0.7930	0.0330	0.8260	0.2174	0.0315	0.2489		3,726.9389	3,726.9389	0.2654		3,733.5726
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	0.4357	11.4739	3.4963	0.0359	0.9607	0.0343	0.9949	0.2619	0.0327	0.2946		3,882.1243	3,882.1243	0.2696		3,888.8649

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					3.8266	0.0000	3.8266	0.5794	0.0000	0.5794			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	3.8266	1.2427	5.0693	0.5794	1.1553	1.7346	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.2 Demolition - 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	0.3685	11.4297	2.9876	0.0343	0.7930	0.0330	0.8260	0.2174	0.0315	0.2489		3,726.9389	3,726.9389	0.2654		3,733.5726
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	0.4357	11.4739	3.4963	0.0359	0.9607	0.0343	0.9949	0.2619	0.0327	0.2946		3,882.1243	3,882.1243	0.2696		3,888.8649

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	7.0458	1.6126	8.6584	3.8730	1.4836	5.3565	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 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	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507
Total	0.0806	0.0530	0.6105	1.8700e-003	0.2012	1.5700e-003	0.2028	0.0534	1.4500e-003	0.0548		186.2225	186.2225	5.1300e-003		186.3507

3.4 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.0464	2,872.0464	0.9289		2,895.2684

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.4 Grading - 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					
Fugitive Dust					2.5554	0.0000	2.5554	1.3133	0.0000	1.3133			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	2.5554	0.9409	3.4963	1.3133	0.8656	2.1789	0.0000	2,872.0464	2,872.0464	0.9289		2,895.2684

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.4 Grading - 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	0.1677	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

3.5 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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.5 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	0.2756	8.4713	2.4451	0.0228	0.5890	0.0165	0.6055	0.1696	0.0158	0.1854		2,437.7266	2,437.7266	0.1532		2,441.5567
Worker	2.4094	1.5846	18.2477	0.0559	6.0136	0.0471	6.0607	1.5948	0.0434	1.6382		5,565.9837	5,565.9837	0.1533		5,569.8151
Total	2.6850	10.0559	20.6928	0.0787	6.6026	0.0636	6.6662	1.7644	0.0591	1.8235		8,003.7102	8,003.7102	0.3065		8,011.3718

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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.5 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	0.2756	8.4713	2.4451	0.0228	0.5890	0.0165	0.6055	0.1696	0.0158	0.1854		2,437.7266	2,437.7266	0.1532		2,441.5567
Worker	2.4094	1.5846	18.2477	0.0559	6.0136	0.0471	6.0607	1.5948	0.0434	1.6382		5,565.9837	5,565.9837	0.1533		5,569.8151
Total	2.6850	10.0559	20.6928	0.0787	6.6026	0.0636	6.6662	1.7644	0.0591	1.8235		8,003.7102	8,003.7102	0.3065		8,011.3718

3.5 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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.5 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	0.2048	6.4160	2.1727	0.0221	0.5890	7.8300e-003	0.5969	0.1696	7.4800e-003	0.1771		2,362.0200	2,362.0200	0.1349		2,365.3918
Worker	2.2699	1.4332	16.7731	0.0538	6.0136	0.0457	6.0593	1.5948	0.0421	1.6369		5,362.3567	5,362.3567	0.1380		5,365.8067
Total	2.4746	7.8492	18.9457	0.0759	6.6026	0.0536	6.6562	1.7644	0.0496	1.8140		7,724.3767	7,724.3767	0.2729		7,731.1985

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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.5 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	0.2048	6.4160	2.1727	0.0221	0.5890	7.8300e-003	0.5969	0.1696	7.4800e-003	0.1771		2,362.0200	2,362.0200	0.1349		2,365.3918
Worker	2.2699	1.4332	16.7731	0.0538	6.0136	0.0457	6.0593	1.5948	0.0421	1.6369		5,362.3567	5,362.3567	0.1380		5,365.8067
Total	2.4746	7.8492	18.9457	0.0759	6.6026	0.0536	6.6562	1.7644	0.0496	1.8140		7,724.3767	7,724.3767	0.2729		7,731.1985

3.6 Paving - 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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.6 Paving - 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	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

3.6 Paving - 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	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043
Total	0.0633	0.0400	0.4677	1.5000e-003	0.1677	1.2800e-003	0.1689	0.0445	1.1700e-003	0.0456		149.5081	149.5081	3.8500e-003		149.6043

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	48.7486					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	48.9403	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	0.4557	0.2877	3.3671	0.0108	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,076.4582	1,076.4582	0.0277		1,077.1508
Total	0.4557	0.2877	3.3671	0.0108	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,076.4582	1,076.4582	0.0277		1,077.1508

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	48.7486					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	48.9403	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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	0.4557	0.2877	3.3671	0.0108	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,076.4582	1,076.4582	0.0277		1,077.1508
Total	0.4557	0.2877	3.3671	0.0108	1.2072	9.1800e-003	1.2164	0.3202	8.4500e-003	0.3286		1,076.4582	1,076.4582	0.0277		1,077.1508

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	8.5895	39.2045	112.0557	0.4570	42.5815	0.3546	42.9361	11.3930	0.3295	11.7225		46,653.73 67	46,653.73 67	2.2095		46,708.97 38
Unmitigated	8.5895	39.2045	112.0557	0.4570	42.5815	0.3546	42.9361	11.3930	0.3295	11.7225		46,653.73 67	46,653.73 67	2.2095		46,708.97 38

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	4,655.00	4,473.00	4102.00	15,548,041	15,548,041
General Office Building	1,103.00	246.00	105.00	2,699,584	2,699,584
Strip Mall	299.16	283.77	137.90	521,168	521,168
Total	6,057.16	5,002.77	4,344.90	18,768,793	18,768,793

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

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
General Office Building	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844
NaturalGas Unmitigated	0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	25691.3	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
General Office Building	2852.05	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
Strip Mall	30.3288	3.3000e-004	2.9700e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5681	3.5681	7.0000e-005	7.0000e-005	3.5893
Total		0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

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	25.6913	0.2771	2.3676	1.0075	0.0151		0.1914	0.1914		0.1914	0.1914		3,022.5041	3,022.5041	0.0579	0.0554	3,040.4653
General Office Building	2.85205	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
Strip Mall	0.0303288	3.3000e-004	2.9700e-003	2.5000e-003	2.0000e-005		2.3000e-004	2.3000e-004		2.3000e-004	2.3000e-004		3.5681	3.5681	7.0000e-005	7.0000e-005	3.5893
Total		0.3082	2.6502	1.2449	0.0168		0.2129	0.2129		0.2129	0.2129		3,361.6081	3,361.6081	0.0644	0.0616	3,381.5844

6.0 Area Detail

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077
Unmitigated	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

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	1.4711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.9737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7333	0.6647	57.7070	3.0500e-003		0.3202	0.3202		0.3202	0.3202		104.0100	104.0100	0.0996		106.5010
Total	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - 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	1.4711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	15.9737					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	183.4252	14.5238	355.9863	0.9082		53.4718	53.4718		53.4718	53.4718	6,556.8429	12,600.0000	19,156.8429	19.5538	0.4450	19,778.3067
Landscaping	1.7333	0.6647	57.7070	3.0500e-003		0.3202	0.3202		0.3202	0.3202		104.0100	104.0100	0.0996		106.5010
Total	202.6033	15.1885	413.6933	0.9112		53.7920	53.7920		53.7920	53.7920	6,556.8429	12,704.0100	19,260.8529	19.6534	0.4450	19,884.8077

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan - Phase 2 (Construction Run - VOC Mit) - Los Angeles-South Coast County, Winter

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

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

Duarte Station Specific Plan (Operational Run; 2025)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	100.00	1000sqft	2.30	100,000.00	0
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Apartments Mid Rise	1,400.00	Dwelling Unit	13.80	1,189,298.00	4004
Strip Mall	6.25	1000sqft	1.02	6,250.00	0

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)	285.22	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

Project Characteristics - MIG Modeler: Phil Gleason | SCE GHG Intensity Factors updated for SCE's forecasted compliance with state-wide RPS mandates.

Land Use - Lot acreage updated to match construction runs. Overall acreage is Phase 1 is slightly larger than parcel size identified in PD; project plans indicate the two parcels in P1 as being slightly larger.

Construction Phase - Operational Run. No Construction.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Architectural Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Vehicle Trips - Weekday trip rates provided by TIA preparer Fehr & Peers (2019). Rates reflect trip gen reduction factors applied in TIA; weekend rates scaled based on difference in weekday trip gen in TIA vs. default CalEEMod.

Woodstoves - Wood burning devices excluded from new development pursuant to SCAQMD Rule 445.

Area Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Energy Use - T24 standards adjusted downward to reflect increased efficiency between 2016-2019 standards (CEC, 2017).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	LightingElect	3.77	2.64
tblEnergyUse	LightingElect	7.87	5.51
tblEnergyUse	LightingElect	6.26	4.38
tblEnergyUse	T24E	252.63	118.74
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	1,190.00	1,260.00
tblFireplaces	NumberWood	70.00	0.00
tblGrading	AcresOfGrading	0.00	75.00
tblLandUse	LandUseSquareFeet	1,400,000.00	1,189,298.00
tblLandUse	LotAcreage	12.13	1.78
tblLandUse	LotAcreage	36.84	13.80
tblLandUse	LotAcreage	0.14	1.02
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	285.22
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleTrips	ST_TR	6.39	4.32
tblVehicleTrips	ST_TR	2.46	1.71
tblVehicleTrips	ST_TR	158.37	68.36
tblVehicleTrips	ST_TR	42.04	8.80
tblVehicleTrips	SU_TR	5.86	3.96
tblVehicleTrips	SU_TR	1.05	0.73
tblVehicleTrips	SU_TR	131.84	56.90
tblVehicleTrips	SU_TR	20.43	4.28
tblVehicleTrips	WD_TR	6.65	4.49
tblVehicleTrips	WD_TR	11.03	7.67
tblVehicleTrips	WD_TR	127.15	54.88
tblVehicleTrips	WD_TR	44.32	9.28
tblWoodstoves	NumberCatalytic	70.00	0.00
tblWoodstoves	NumberNoncatalytic	70.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	5.6099	0.4276	14.5538	2.4300e-003		0.1012	0.1012		0.1012	0.1012	0.0000	326.1928	326.1928	0.0285	5.5500e-003	328.5578
Energy	0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	2,411.9726	2,411.9726	0.1696	0.0387	2,427.7490
Mobile	1.7951	8.5253	24.2758	0.0989	8.9044	0.0754	8.9798	2.3863	0.0701	2.4564	0.0000	9,153.5933	9,153.5933	0.4260	0.0000	9,164.2441
Waste						0.0000	0.0000		0.0000	0.0000	166.0344	0.0000	166.0344	9.8124	0.0000	411.3433
Water						0.0000	0.0000		0.0000	0.0000	35.3259	286.4701	321.7960	3.6615	0.0897	440.0599
Total	7.5196	9.9393	39.3000	0.1075	8.9044	0.2558	9.1602	2.3863	0.2504	2.6368	201.3604	12,178.2287	12,379.5891	14.0979	0.1340	12,771.9541

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.6099	0.4276	14.5538	2.4300e-003		0.1012	0.1012		0.1012	0.1012	0.0000	326.1928	326.1928	0.0285	5.5500e-003	328.5578
Energy	0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	2,411.9726	2,411.9726	0.1696	0.0387	2,427.7490
Mobile	1.7951	8.5253	24.2758	0.0989	8.9044	0.0754	8.9798	2.3863	0.0701	2.4564	0.0000	9,153.5933	9,153.5933	0.4260	0.0000	9,164.2441
Waste						0.0000	0.0000		0.0000	0.0000	166.0344	0.0000	166.0344	9.8124	0.0000	411.3433
Water						0.0000	0.0000		0.0000	0.0000	35.3259	286.4701	321.7960	3.6615	0.0897	440.0599
Total	7.5196	9.9393	39.3000	0.1075	8.9044	0.2558	9.1602	2.3863	0.2504	2.6368	201.3604	12,178.2287	12,379.5891	14.0979	0.1340	12,771.9541

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

3.0 Construction Detail

Construction Phase

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/21/2019	6/20/2019	5	0	
2	Site Preparation	Site Preparation	7/19/2019	7/18/2019	5	0	
3	Grading	Grading	8/2/2019	8/1/2019	5	0	
4	Building Construction	Building Construction	9/13/2019	9/12/2019	5	0	
5	Paving	Paving	11/6/2020	11/5/2020	5	0	
6	Architectural Coating	Architectural Coating	12/4/2020	12/3/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 1.78

Residential Indoor: 2,408,328; Residential Outdoor: 802,776; Non-Residential Indoor: 168,750; Non-Residential Outdoor: 56,250; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan (Operational Run; 2025) - 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	1.7951	8.5253	24.2758	0.0989	8.9044	0.0754	8.9798	2.3863	0.0701	2.4564	0.0000	9,153.593 3	9,153.593 3	0.4260	0.0000	9,164.244 1
Unmitigated	1.7951	8.5253	24.2758	0.0989	8.9044	0.0754	8.9798	2.3863	0.0701	2.4564	0.0000	9,153.593 3	9,153.593 3	0.4260	0.0000	9,164.244 1

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	6,286.00	6,048.00	5544.00	21,001,816	21,001,816
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	767.00	171.00	73.00	1,877,191	1,877,191
High Turnover (Sit Down Restaurant)	343.00	427.25	355.63	486,311	486,311
Strip Mall	58.00	55.00	26.75	101,041	101,041
Total	7,454.00	6,701.25	5,999.38	23,466,360	23,466,360

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

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
Enclosed Parking with Elevator	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
General Office Building	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
High Turnover (Sit Down Restaurant)	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,278.0910	1,278.0910	0.1479	0.0179	1,287.1293
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,278.0910	1,278.0910	0.1479	0.0179	1,287.1293
Natural Gas Mitigated	0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	1,133.8816	1,133.8816	0.0217	0.0208	1,140.6197
Natural Gas Unmitigated	0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	1,133.8816	1,133.8816	0.0217	0.0208	1,140.6197

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.87546e+007	0.1011	0.8642	0.3677	5.5200e-003		0.0699	0.0699		0.0699	0.0699	0.0000	1,000.8189	1,000.8189	0.0192	0.0184	1,006.7663
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.041e+006	5.6100e-003	0.0510	0.0429	3.1000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	55.5517	55.5517	1.0600e-003	1.0200e-003	55.8818
High Turnover (Sit Down Restaurant)	1.44225e+006	7.7800e-003	0.0707	0.0594	4.2000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003	0.0000	76.9640	76.9640	1.4800e-003	1.4100e-003	77.4213
Strip Mall	10250	6.0000e-005	5.0000e-004	4.2000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5470	0.5470	1.0000e-005	1.0000e-005	0.5502
Total		0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	1,133.8816	1,133.8816	0.0217	0.0208	1,140.6197

Duarte Station Specific Plan (Operational Run; 2025) - 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	1.87546e+007	0.1011	0.8642	0.3677	5.5200e-003		0.0699	0.0699		0.0699	0.0699	0.0000	1,000.8189	1,000.8189	0.0192	0.0184	1,006.7663
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.041e+006	5.6100e-003	0.0510	0.0429	3.1000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	55.5517	55.5517	1.0600e-003	1.0200e-003	55.8818
High Turnover (Sit Down Restaurant)	1.44225e+006	7.7800e-003	0.0707	0.0594	4.2000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003	0.0000	76.9640	76.9640	1.4800e-003	1.4100e-003	77.4213
Strip Mall	10250	6.0000e-005	5.0000e-004	4.2000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5470	0.5470	1.0000e-005	1.0000e-005	0.5502
Total		0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	1,133.8816	1,133.8816	0.0217	0.0208	1,140.6197

Duarte Station Specific Plan (Operational Run; 2025) - 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	5.47999e+006	708.9664	0.0820	9.9400e-003	713.9800
Enclosed Parking with Elevator	2.87933e+006	372.5091	0.0431	5.2200e-003	375.1434
General Office Building	1.186e+006	153.4371	0.0178	2.1500e-003	154.5222
High Turnover (Sit Down Restaurant)	261125	33.7827	3.9100e-003	4.7000e-004	34.0216
Strip Mall	72625	9.3958	1.0900e-003	1.3000e-004	9.4622
Total		1,278.0910	0.1479	0.0179	1,287.1293

Duarte Station Specific Plan (Operational Run; 2025) - 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	5.47999e+006	708.9664	0.0820	9.9400e-003	713.9800
Enclosed Parking with Elevator	2.87933e+006	372.5091	0.0431	5.2200e-003	375.1434
General Office Building	1.186e+006	153.4371	0.0178	2.1500e-003	154.5222
High Turnover (Sit Down Restaurant)	261125	33.7827	3.9100e-003	4.7000e-004	34.0216
Strip Mall	72625	9.3958	1.0900e-003	1.3000e-004	9.4622
Total		1,278.0910	0.1479	0.0179	1,287.1293

6.0 Area Detail

6.1 Mitigation Measures Area

Duarte Station Specific Plan (Operational Run; 2025) - 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	5.6099	0.4276	14.5538	2.4300e-003		0.1012	0.1012		0.1012	0.1012	0.0000	326.1928	326.1928	0.0285	5.5500e-003	328.5578
Unmitigated	5.6099	0.4276	14.5538	2.4300e-003		0.1012	0.1012		0.1012	0.1012	0.0000	326.1928	326.1928	0.0285	5.5500e-003	328.5578

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	0.4057					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.7389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0306	0.2613	0.1112	1.6700e-003		0.0211	0.0211		0.0211	0.0211	0.0000	302.5728	302.5728	5.8000e-003	5.5500e-003	304.3708
Landscaping	0.4348	0.1663	14.4426	7.6000e-004		0.0801	0.0801		0.0801	0.0801	0.0000	23.6200	23.6200	0.0227	0.0000	24.1870
Total	5.6099	0.4276	14.5538	2.4300e-003		0.1012	0.1012		0.1012	0.1012	0.0000	326.1928	326.1928	0.0285	5.5500e-003	328.5578

Duarte Station Specific Plan (Operational Run; 2025) - 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	0.4057					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.7389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0306	0.2613	0.1112	1.6700e-003		0.0211	0.0211		0.0211	0.0211	0.0000	302.5728	302.5728	5.8000e-003	5.5500e-003	304.3708
Landscaping	0.4348	0.1663	14.4426	7.6000e-004		0.0801	0.0801		0.0801	0.0801	0.0000	23.6200	23.6200	0.0227	0.0000	24.1870
Total	5.6099	0.4276	14.5538	2.4300e-003		0.1012	0.1012		0.1012	0.1012	0.0000	326.1928	326.1928	0.0285	5.5500e-003	328.5578

7.0 Water Detail

7.1 Mitigation Measures Water

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	321.7960	3.6615	0.0897	440.0599
Unmitigated	321.7960	3.6615	0.0897	440.0599

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	91.2156 / 57.5055	265.2530	2.9996	0.0735	362.1448
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	17.7734 / 10.8934	51.2367	0.5844	0.0143	70.1129
High Turnover (Sit Down Restaurant)	1.89709 / 0.121091	3.9717	0.0622	1.5100e-003	5.9759
Strip Mall	0.462953 / 0.283746	1.3346	0.0152	3.7000e-004	1.8263
Total		321.7960	3.6615	0.0897	440.0599

Duarte Station Specific Plan (Operational Run; 2025) - 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	91.2156 / 57.5055	265.2530	2.9996	0.0735	362.1448
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	17.7734 / 10.8934	51.2367	0.5844	0.0143	70.1129
High Turnover (Sit Down Restaurant)	1.89709 / 0.121091	3.9717	0.0622	1.5100e-003	5.9759
Strip Mall	0.462953 / 0.283746	1.3346	0.0152	3.7000e-004	1.8263
Total		321.7960	3.6615	0.0897	440.0599

8.0 Waste Detail

8.1 Mitigation Measures Waste

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	166.0344	9.8124	0.0000	411.3433
Unmitigated	166.0344	9.8124	0.0000	411.3433

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	644	130.7262	7.7257	0.0000	323.8686
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	93	18.8782	1.1157	0.0000	46.7698
High Turnover (Sit Down Restaurant)	74.38	15.0985	0.8923	0.0000	37.4058
Strip Mall	6.56	1.3316	0.0787	0.0000	3.2990
Total		166.0344	9.8124	0.0000	411.3433

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	644	130.7262	7.7257	0.0000	323.8686
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	93	18.8782	1.1157	0.0000	46.7698
High Turnover (Sit Down Restaurant)	74.38	15.0985	0.8923	0.0000	37.4058
Strip Mall	6.56	1.3316	0.0787	0.0000	3.2990
Total		166.0344	9.8124	0.0000	411.3433

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Summer

Duarte Station Specific Plan (Operational Run; 2025)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	100.00	1000sqft	2.30	100,000.00	0
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Apartments Mid Rise	1,400.00	Dwelling Unit	13.80	1,189,298.00	4004
Strip Mall	6.25	1000sqft	1.02	6,250.00	0
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	285.22	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Summer

Project Characteristics - MIG Modeler: Phil Gleason | SCE GHG Intensity Factors updated for SCE's forecasted compliance with state-wide RPS mandates.

Land Use - Lot acreage updated to match construction runs. Overall acreage is Phase 1 is slightly larger than parcel size identified in PD; project plans indicate the two parcels in P1 as being slightly larger.

Construction Phase - Operational Run. No Construction.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Architectural Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Vehicle Trips - Weekday trip rates provided by TIA preparer Fehr & Peers (2019). Rates reflect trip gen reduction factors applied in TIA; weekend rates scaled based on difference in weekday trip gen in TIA vs. default CalEEMod.

Woodstoves - Wood burning devices excluded from new development pursuant to SCAQMD Rule 445.

Area Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Energy Use - T24 standards adjusted downward to reflect increased efficiency between 2016-2019 standards (CEC, 2017).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Summer

tblConstructionPhase	PhaseEndDate	12/31/2020	12/3/2020
tblConstructionPhase	PhaseEndDate	11/5/2020	9/12/2019
tblConstructionPhase	PhaseEndDate	7/18/2019	6/20/2019
tblConstructionPhase	PhaseEndDate	9/12/2019	8/1/2019
tblConstructionPhase	PhaseEndDate	12/3/2020	11/5/2020
tblConstructionPhase	PhaseEndDate	8/1/2019	7/18/2019
tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	LightingElect	3.77	2.64
tblEnergyUse	LightingElect	7.87	5.51
tblEnergyUse	LightingElect	6.26	4.38
tblEnergyUse	T24E	252.63	118.74
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	1,190.00	1,260.00
tblFireplaces	NumberWood	70.00	0.00
tblGrading	AcresOfGrading	0.00	75.00
tblLandUse	LandUseSquareFeet	1,400,000.00	1,189,298.00
tblLandUse	LotAcreage	36.84	13.80
tblLandUse	LotAcreage	0.14	1.02
tblLandUse	LotAcreage	12.13	1.78
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	285.22
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleTrips	ST_TR	6.39	4.32
tblVehicleTrips	ST_TR	2.46	1.71
tblVehicleTrips	ST_TR	158.37	68.36
tblVehicleTrips	ST_TR	42.04	8.80
tblVehicleTrips	SU_TR	5.86	3.96
tblVehicleTrips	SU_TR	1.05	0.73
tblVehicleTrips	SU_TR	131.84	56.90
tblVehicleTrips	SU_TR	20.43	4.28
tblVehicleTrips	WD_TR	6.65	4.49
tblVehicleTrips	WD_TR	11.03	7.67
tblVehicleTrips	WD_TR	127.15	54.88
tblVehicleTrips	WD_TR	44.32	9.28
tblWoodstoves	NumberCatalytic	70.00	0.00

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Summer

tblWoodstoves	NumberNoncatalytic	70.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Duarte Station Specific Plan (Operational Run; 2025) - 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	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054
Energy	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
Mobile	10.9820	47.4691	145.8548	0.5910	52.3916	0.4352	52.8267	14.0178	0.4043	14.4220		60,293.6950	60,293.6950	2.7287		60,361.9135
Total	45.7233	75.1058	272.8676	0.7648	52.3916	3.1996	55.5912	14.0178	3.1687	17.1865	0.0000	94,033.0557	94,033.0557	3.5714	0.6147	94,305.5323

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	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054
Energy	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
Mobile	10.9820	47.4691	145.8548	0.5910	52.3916	0.4352	52.8267	14.0178	0.4043	14.4220		60,293.6950	60,293.6950	2.7287		60,361.9135
Total	45.7233	75.1058	272.8676	0.7648	52.3916	3.1996	55.5912	14.0178	3.1687	17.1865	0.0000	94,033.0557	94,033.0557	3.5714	0.6147	94,305.5323

Duarte Station Specific Plan (Operational Run; 2025) - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/21/2019	6/20/2019	5	0	
2	Site Preparation	Site Preparation	7/19/2019	7/18/2019	5	0	
3	Grading	Grading	8/2/2019	8/1/2019	5	0	
4	Building Construction	Building Construction	9/13/2019	9/12/2019	5	0	
5	Paving	Paving	11/6/2020	11/5/2020	5	0	
6	Architectural Coating	Architectural Coating	12/4/2020	12/3/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 1.78

Residential Indoor: 2,408,328; Residential Outdoor: 802,776; Non-Residential Indoor: 168,750; Non-Residential Outdoor: 56,250; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Paving	Pavers	0	8.00	130	0.42
Paving	Rollers	0	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Graders	0	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 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	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan (Operational Run; 2025) - 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	10.9820	47.4691	145.8548	0.5910	52.3916	0.4352	52.8267	14.0178	0.4043	14.4220		60,293.69 50	60,293.69 50	2.7287		60,361.91 35
Unmitigated	10.9820	47.4691	145.8548	0.5910	52.3916	0.4352	52.8267	14.0178	0.4043	14.4220		60,293.69 50	60,293.69 50	2.7287		60,361.91 35

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	6,286.00	6,048.00	5544.00	21,001,816	21,001,816
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	767.00	171.00	73.00	1,877,191	1,877,191
High Turnover (Sit Down Restaurant)	343.00	427.25	355.63	486,311	486,311
Strip Mall	58.00	55.00	26.75	101,041	101,041
Total	7,454.00	6,701.25	5,999.38	23,466,360	23,466,360

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Summer

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
Enclosed Parking with Elevator	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
General Office Building	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
High Turnover (Sit Down Restaurant)	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
NaturalGas Unmitigated	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

Duarte Station Specific Plan (Operational Run; 2025) - 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	51382.6	0.5541	4.7353	2.0150	0.0302		0.3829	0.3829		0.3829	0.3829		6,045.0082	6,045.0082	0.1159	0.1108	6,080.9307
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2852.05	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
High Turnover (Sit Down Restaurant)	3951.37	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Strip Mall	28.0822	3.0000e-004	2.7500e-003	2.3100e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3038	3.3038	6.0000e-005	6.0000e-005	3.3234
Total		0.6278	5.4050	2.5776	0.0343		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

Duarte Station Specific Plan (Operational Run; 2025) - 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	51.3826	0.5541	4.7353	2.0150	0.0302		0.3829	0.3829		0.3829	0.3829		6,045.0082	6,045.0082	0.1159	0.1108	6,080.9307
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2.85205	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
High Turnover (Sit Down Restaurant)	3.95137	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Strip Mall	0.0280822	3.0000e-004	2.7500e-003	2.3100e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3038	3.3038	6.0000e-005	6.0000e-005	3.3234
Total		0.6278	5.4050	2.5776	0.0343		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

6.0 Area Detail

6.1 Mitigation Measures Area

Duarte Station Specific Plan (Operational Run; 2025) - 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	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054
Unmitigated	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054

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	2.2228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.9666					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.4459	20.9012	8.8941	0.1334		1.6899	1.6899		1.6899	1.6899	0.0000	26,682.3529	26,682.3529	0.5114	0.4892	26,840.9128
Landscaping	3.4783	1.3305	115.5411	6.1100e-003		0.6408	0.6408		0.6408	0.6408		208.2929	208.2929	0.2000		213.2926
Total	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054

Duarte Station Specific Plan (Operational Run; 2025) - 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	2.2228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.9666					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.4459	20.9012	8.8941	0.1334		1.6899	1.6899		1.6899	1.6899	0.0000	26,682.3529	26,682.3529	0.5114	0.4892	26,840.9128
Landscaping	3.4783	1.3305	115.5411	6.1100e-003		0.6408	0.6408		0.6408	0.6408		208.2929	208.2929	0.2000		213.2926
Total	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Summer

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

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Winter

Duarte Station Specific Plan (Operational Run; 2025)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	100.00	1000sqft	2.30	100,000.00	0
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Apartments Mid Rise	1,400.00	Dwelling Unit	13.80	1,189,298.00	4004
Strip Mall	6.25	1000sqft	1.02	6,250.00	0
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	285.22	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Winter

Project Characteristics - MIG Modeler: Phil Gleason | SCE GHG Intensity Factors updated for SCE's forecasted compliance with state-wide RPS mandates.

Land Use - Lot acreage updated to match construction runs. Overall acreage is Phase 1 is slightly larger than parcel size identified in PD; project plans indicate the two parcels in P1 as being slightly larger.

Construction Phase - Operational Run. No Construction.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Architectural Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Vehicle Trips - Weekday trip rates provided by TIA preparer Fehr & Peers (2019). Rates reflect trip gen reduction factors applied in TIA; weekend rates scaled based on difference in weekday trip gen in TIA vs. default CalEEMod.

Woodstoves - Wood burning devices excluded from new development pursuant to SCAQMD Rule 445.

Area Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Energy Use - T24 standards adjusted downward to reflect increased efficiency between 2016-2019 standards (CEC, 2017).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Winter

tblConstructionPhase	PhaseEndDate	12/31/2020	12/3/2020
tblConstructionPhase	PhaseEndDate	11/5/2020	9/12/2019
tblConstructionPhase	PhaseEndDate	7/18/2019	6/20/2019
tblConstructionPhase	PhaseEndDate	9/12/2019	8/1/2019
tblConstructionPhase	PhaseEndDate	12/3/2020	11/5/2020
tblConstructionPhase	PhaseEndDate	8/1/2019	7/18/2019
tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	LightingElect	3.77	2.64
tblEnergyUse	LightingElect	7.87	5.51
tblEnergyUse	LightingElect	6.26	4.38
tblEnergyUse	T24E	252.63	118.74
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	1,190.00	1,260.00
tblFireplaces	NumberWood	70.00	0.00
tblGrading	AcresOfGrading	0.00	75.00
tblLandUse	LandUseSquareFeet	1,400,000.00	1,189,298.00
tblLandUse	LotAcreage	36.84	13.80
tblLandUse	LotAcreage	0.14	1.02
tblLandUse	LotAcreage	12.13	1.78
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	285.22
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleTrips	ST_TR	6.39	4.32
tblVehicleTrips	ST_TR	2.46	1.71
tblVehicleTrips	ST_TR	158.37	68.36
tblVehicleTrips	ST_TR	42.04	8.80
tblVehicleTrips	SU_TR	5.86	3.96
tblVehicleTrips	SU_TR	1.05	0.73
tblVehicleTrips	SU_TR	131.84	56.90
tblVehicleTrips	SU_TR	20.43	4.28
tblVehicleTrips	WD_TR	6.65	4.49
tblVehicleTrips	WD_TR	11.03	7.67
tblVehicleTrips	WD_TR	127.15	54.88
tblVehicleTrips	WD_TR	44.32	9.28
tblWoodstoves	NumberCatalytic	70.00	0.00

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Winter

tblWoodstoves	NumberNoncatalytic	70.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Duarte Station Specific Plan (Operational Run; 2025) - 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	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054
Energy	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
Mobile	10.6345	48.5003	138.1458	0.5627	52.3916	0.4368	52.8284	14.0178	0.4058	14.4236		57,438.0805	57,438.0805	2.7233		57,506.1633
Total	45.3759	76.1370	265.1586	0.7364	52.3916	3.2013	55.5928	14.0178	3.1703	17.1881	0.0000	91,177.4412	91,177.4412	3.5660	0.6147	91,449.7821

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	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054
Energy	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
Mobile	10.6345	48.5003	138.1458	0.5627	52.3916	0.4368	52.8284	14.0178	0.4058	14.4236		57,438.0805	57,438.0805	2.7233		57,506.1633
Total	45.3759	76.1370	265.1586	0.7364	52.3916	3.2013	55.5928	14.0178	3.1703	17.1881	0.0000	91,177.4412	91,177.4412	3.5660	0.6147	91,449.7821

Duarte Station Specific Plan (Operational Run; 2025) - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/21/2019	6/20/2019	5	0	
2	Site Preparation	Site Preparation	7/19/2019	7/18/2019	5	0	
3	Grading	Grading	8/2/2019	8/1/2019	5	0	
4	Building Construction	Building Construction	9/13/2019	9/12/2019	5	0	
5	Paving	Paving	11/6/2020	11/5/2020	5	0	
6	Architectural Coating	Architectural Coating	12/4/2020	12/3/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 1.78

Residential Indoor: 2,408,328; Residential Outdoor: 802,776; Non-Residential Indoor: 168,750; Non-Residential Outdoor: 56,250; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Paving	Pavers	0	8.00	130	0.42
Paving	Rollers	0	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Graders	0	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 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	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan (Operational Run; 2025) - 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	10.6345	48.5003	138.1458	0.5627	52.3916	0.4368	52.8284	14.0178	0.4058	14.4236		57,438.0805	57,438.0805	2.7233		57,506.1633
Unmitigated	10.6345	48.5003	138.1458	0.5627	52.3916	0.4368	52.8284	14.0178	0.4058	14.4236		57,438.0805	57,438.0805	2.7233		57,506.1633

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	6,286.00	6,048.00	5544.00	21,001,816	21,001,816
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	767.00	171.00	73.00	1,877,191	1,877,191
High Turnover (Sit Down Restaurant)	343.00	427.25	355.63	486,311	486,311
Strip Mall	58.00	55.00	26.75	101,041	101,041
Total	7,454.00	6,701.25	5,999.38	23,466,360	23,466,360

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Winter

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
Enclosed Parking with Elevator	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
General Office Building	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
High Turnover (Sit Down Restaurant)	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
NaturalGas Unmitigated	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

Duarte Station Specific Plan (Operational Run; 2025) - 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	51382.6	0.5541	4.7353	2.0150	0.0302		0.3829	0.3829		0.3829	0.3829		6,045.0082	6,045.0082	0.1159	0.1108	6,080.9307
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2852.05	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
High Turnover (Sit Down Restaurant)	3951.37	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Strip Mall	28.0822	3.0000e-004	2.7500e-003	2.3100e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3038	3.3038	6.0000e-005	6.0000e-005	3.3234
Total		0.6278	5.4050	2.5776	0.0343		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

Duarte Station Specific Plan (Operational Run; 2025) - 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	51.3826	0.5541	4.7353	2.0150	0.0302		0.3829	0.3829		0.3829	0.3829		6,045.0082	6,045.0082	0.1159	0.1108	6,080.9307
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2.85205	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
High Turnover (Sit Down Restaurant)	3.95137	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Strip Mall	0.0280822	3.0000e-004	2.7500e-003	2.3100e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3038	3.3038	6.0000e-005	6.0000e-005	3.3234
Total		0.6278	5.4050	2.5776	0.0343		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

6.0 Area Detail

6.1 Mitigation Measures Area

Duarte Station Specific Plan (Operational Run; 2025) - 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	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054
Unmitigated	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054

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	2.2228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.9666					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.4459	20.9012	8.8941	0.1334		1.6899	1.6899		1.6899	1.6899	0.0000	26,682.3529	26,682.3529	0.5114	0.4892	26,840.9128
Landscaping	3.4783	1.3305	115.5411	6.1100e-003		0.6408	0.6408		0.6408	0.6408		208.2929	208.2929	0.2000		213.2926
Total	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054

Duarte Station Specific Plan (Operational Run; 2025) - 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	2.2228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.9666					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.4459	20.9012	8.8941	0.1334		1.6899	1.6899		1.6899	1.6899	0.0000	26,682.3529	26,682.3529	0.5114	0.4892	26,840.9128
Landscaping	3.4783	1.3305	115.5411	6.1100e-003		0.6408	0.6408		0.6408	0.6408		208.2929	208.2929	0.2000		213.2926
Total	34.1136	22.2317	124.4352	0.1395		2.3307	2.3307		2.3307	2.3307	0.0000	26,890.6458	26,890.6458	0.7114	0.4892	27,054.2054

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan (Operational Run; 2025) - Los Angeles-South Coast County, Winter

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

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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
General Office Building	100.00	1000sqft	2.30	100,000.00	0
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Apartments Mid Rise	1,400.00	Dwelling Unit	13.80	1,189,298.00	4004
Strip Mall	6.25	1000sqft	1.02	6,250.00	0

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)	285.22	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

Project Characteristics - MIG Modeler: Phil Gleason | SCE GHG Intensity Factors updated for SCE's forecasted compliance with state-wide RPS mandates.

Land Use - Lot acreage updated to match construction runs. Overall acreage is Phase 1 is slightly larger than parcel size identified in PD; project plans indicate the two parcels in P1 as being slightly larger.

Construction Phase - Operational Run. No Construction.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Architectural Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Vehicle Trips - Weekday trip rates provided by TIA preparer Fehr & Peers (2019). Rates reflect trip gen reduction factors applied in TIA; weekend rates scaled based on difference in weekday trip gen in TIA vs. default CalEEMod.

Woodstoves - Wood burning devices excluded from new development pursuant to SCAQMD Rule 445. Mitigation applied to reduce the number of gas fireplace units from 90% to 60% for the purposes of reducing area emissions of NOx.

Area Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Energy Use - T24 standards adjusted downward to reflect increased efficiency between 2016-2019 standards (CEC, 2017).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	LightingElect	3.77	2.64
tblEnergyUse	LightingElect	7.87	5.51
tblEnergyUse	LightingElect	6.26	4.38
tblEnergyUse	T24E	252.63	118.74
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	1,190.00	840.00
tblFireplaces	NumberWood	70.00	0.00
tblGrading	AcresOfGrading	0.00	75.00
tblLandUse	LandUseSquareFeet	1,400,000.00	1,189,298.00
tblLandUse	LotAcreage	12.13	1.78
tblLandUse	LotAcreage	36.84	13.80
tblLandUse	LotAcreage	0.14	1.02
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	285.22
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleTrips	ST_TR	6.39	4.32
tblVehicleTrips	ST_TR	2.46	1.71
tblVehicleTrips	ST_TR	158.37	68.36
tblVehicleTrips	ST_TR	42.04	8.80
tblVehicleTrips	SU_TR	5.86	3.96
tblVehicleTrips	SU_TR	1.05	0.73
tblVehicleTrips	SU_TR	131.84	56.90
tblVehicleTrips	SU_TR	20.43	4.28
tblVehicleTrips	WD_TR	6.65	4.49
tblVehicleTrips	WD_TR	11.03	7.67
tblVehicleTrips	WD_TR	127.15	54.88
tblVehicleTrips	WD_TR	44.32	9.28
tblWoodstoves	NumberCatalytic	70.00	0.00
tblWoodstoves	NumberNoncatalytic	70.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	5.5997	0.3405	14.5168	1.8800e-003		0.0942	0.0942		0.0942	0.0942	0.0000	225.3352	225.3352	0.0265	3.7000e-003	227.1009
Energy	0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	2,411.9726	2,411.9726	0.1696	0.0387	2,427.7490
Mobile	1.7951	8.5253	24.2758	0.0989	8.9044	0.0754	8.9798	2.3863	0.0701	2.4564	0.0000	9,153.5933	9,153.5933	0.4260	0.0000	9,164.2441
Waste						0.0000	0.0000		0.0000	0.0000	166.0344	0.0000	166.0344	9.8124	0.0000	411.3433
Water						0.0000	0.0000		0.0000	0.0000	35.3259	286.4701	321.7960	3.6615	0.0897	440.0599
Total	7.5094	9.8522	39.2630	0.1070	8.9044	0.2488	9.1532	2.3863	0.2434	2.6297	201.3604	12,077.3711	12,278.7315	14.0960	0.1321	12,670.4971

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	5.5997	0.3405	14.5168	1.8800e-003		0.0942	0.0942		0.0942	0.0942	0.0000	225.3352	225.3352	0.0265	3.7000e-003	227.1009
Energy	0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	2,411.9726	2,411.9726	0.1696	0.0387	2,427.7490
Mobile	1.7951	8.5253	24.2758	0.0989	8.9044	0.0754	8.9798	2.3863	0.0701	2.4564	0.0000	9,153.5933	9,153.5933	0.4260	0.0000	9,164.2441
Waste						0.0000	0.0000		0.0000	0.0000	166.0344	0.0000	166.0344	9.8124	0.0000	411.3433
Water						0.0000	0.0000		0.0000	0.0000	35.3259	286.4701	321.7960	3.6615	0.0897	440.0599
Total	7.5094	9.8522	39.2630	0.1070	8.9044	0.2488	9.1532	2.3863	0.2434	2.6297	201.3604	12,077.3711	12,278.7315	14.0960	0.1321	12,670.4971

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

3.0 Construction Detail

Construction Phase

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/21/2019	6/20/2019	5	0	
2	Site Preparation	Site Preparation	7/19/2019	7/18/2019	5	0	
3	Grading	Grading	8/2/2019	8/1/2019	5	0	
4	Building Construction	Building Construction	9/13/2019	9/12/2019	5	0	
5	Paving	Paving	11/6/2020	11/5/2020	5	0	
6	Architectural Coating	Architectural Coating	12/4/2020	12/3/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 1.78

Residential Indoor: 2,408,328; Residential Outdoor: 802,776; Non-Residential Indoor: 168,750; Non-Residential Outdoor: 56,250; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

3.7 Architectural Coating - 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - 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	1.7951	8.5253	24.2758	0.0989	8.9044	0.0754	8.9798	2.3863	0.0701	2.4564	0.0000	9,153.593 3	9,153.593 3	0.4260	0.0000	9,164.244 1
Unmitigated	1.7951	8.5253	24.2758	0.0989	8.9044	0.0754	8.9798	2.3863	0.0701	2.4564	0.0000	9,153.593 3	9,153.593 3	0.4260	0.0000	9,164.244 1

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	6,286.00	6,048.00	5544.00	21,001,816	21,001,816
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	767.00	171.00	73.00	1,877,191	1,877,191
High Turnover (Sit Down Restaurant)	343.00	427.25	355.63	486,311	486,311
Strip Mall	58.00	55.00	26.75	101,041	101,041
Total	7,454.00	6,701.25	5,999.38	23,466,360	23,466,360

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

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
Enclosed Parking with Elevator	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
General Office Building	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
High Turnover (Sit Down Restaurant)	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1,278.0910	1,278.0910	0.1479	0.0179	1,287.1293
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,278.0910	1,278.0910	0.1479	0.0179	1,287.1293
Natural Gas Mitigated	0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	1,133.8816	1,133.8816	0.0217	0.0208	1,140.6197
Natural Gas Unmitigated	0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	1,133.8816	1,133.8816	0.0217	0.0208	1,140.6197

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.87546e+007	0.1011	0.8642	0.3677	5.5200e-003		0.0699	0.0699		0.0699	0.0699	0.0000	1,000.8189	1,000.8189	0.0192	0.0184	1,006.7663
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.041e+006	5.6100e-003	0.0510	0.0429	3.1000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	55.5517	55.5517	1.0600e-003	1.0200e-003	55.8818
High Turnover (Sit Down Restaurant)	1.44225e+006	7.7800e-003	0.0707	0.0594	4.2000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003	0.0000	76.9640	76.9640	1.4800e-003	1.4100e-003	77.4213
Strip Mall	10250	6.0000e-005	5.0000e-004	4.2000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5470	0.5470	1.0000e-005	1.0000e-005	0.5502
Total		0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	1,133.8816	1,133.8816	0.0217	0.0208	1,140.6197

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - 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	1.87546e+007	0.1011	0.8642	0.3677	5.5200e-003		0.0699	0.0699		0.0699	0.0699	0.0000	1,000.8189	1,000.8189	0.0192	0.0184	1,006.7663
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	1.041e+006	5.6100e-003	0.0510	0.0429	3.1000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	55.5517	55.5517	1.0600e-003	1.0200e-003	55.8818
High Turnover (Sit Down Restaurant)	1.44225e+006	7.7800e-003	0.0707	0.0594	4.2000e-004		5.3700e-003	5.3700e-003		5.3700e-003	5.3700e-003	0.0000	76.9640	76.9640	1.4800e-003	1.4100e-003	77.4213
Strip Mall	10250	6.0000e-005	5.0000e-004	4.2000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5470	0.5470	1.0000e-005	1.0000e-005	0.5502
Total		0.1146	0.9864	0.4704	6.2500e-003		0.0792	0.0792		0.0792	0.0792	0.0000	1,133.8816	1,133.8816	0.0217	0.0208	1,140.6197

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - 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	5.47999e+006	708.9664	0.0820	9.9400e-003	713.9800
Enclosed Parking with Elevator	2.87933e+006	372.5091	0.0431	5.2200e-003	375.1434
General Office Building	1.186e+006	153.4371	0.0178	2.1500e-003	154.5222
High Turnover (Sit Down Restaurant)	261125	33.7827	3.9100e-003	4.7000e-004	34.0216
Strip Mall	72625	9.3958	1.0900e-003	1.3000e-004	9.4622
Total		1,278.0910	0.1479	0.0179	1,287.1293

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - 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	5.47999e+006	708.9664	0.0820	9.9400e-003	713.9800
Enclosed Parking with Elevator	2.87933e+006	372.5091	0.0431	5.2200e-003	375.1434
General Office Building	1.186e+006	153.4371	0.0178	2.1500e-003	154.5222
High Turnover (Sit Down Restaurant)	261125	33.7827	3.9100e-003	4.7000e-004	34.0216
Strip Mall	72625	9.3958	1.0900e-003	1.3000e-004	9.4622
Total		1,278.0910	0.1479	0.0179	1,287.1293

6.0 Area Detail

6.1 Mitigation Measures Area

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - 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	5.5997	0.3405	14.5168	1.8800e-003		0.0942	0.0942		0.0942	0.0942	0.0000	225.3352	225.3352	0.0265	3.7000e-003	227.1009
Unmitigated	5.5997	0.3405	14.5168	1.8800e-003		0.0942	0.0942		0.0942	0.0942	0.0000	225.3352	225.3352	0.0265	3.7000e-003	227.1009

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	0.4057					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.7389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0204	0.1742	0.0741	1.1100e-003		0.0141	0.0141		0.0141	0.0141	0.0000	201.7152	201.7152	3.8700e-003	3.7000e-003	202.9139
Landscaping	0.4348	0.1663	14.4426	7.6000e-004		0.0801	0.0801		0.0801	0.0801	0.0000	23.6200	23.6200	0.0227	0.0000	24.1870
Total	5.5997	0.3405	14.5168	1.8700e-003		0.0942	0.0942		0.0942	0.0942	0.0000	225.3352	225.3352	0.0266	3.7000e-003	227.1009

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - 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	0.4057					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	4.7389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0204	0.1742	0.0741	1.1100e-003		0.0141	0.0141		0.0141	0.0141	0.0000	201.7152	201.7152	3.8700e-003	3.7000e-003	202.9139
Landscaping	0.4348	0.1663	14.4426	7.6000e-004		0.0801	0.0801		0.0801	0.0801	0.0000	23.6200	23.6200	0.0227	0.0000	24.1870
Total	5.5997	0.3405	14.5168	1.8700e-003		0.0942	0.0942		0.0942	0.0942	0.0000	225.3352	225.3352	0.0266	3.7000e-003	227.1009

7.0 Water Detail

7.1 Mitigation Measures Water

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	321.7960	3.6615	0.0897	440.0599
Unmitigated	321.7960	3.6615	0.0897	440.0599

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	91.2156 / 57.5055	265.2530	2.9996	0.0735	362.1448
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	17.7734 / 10.8934	51.2367	0.5844	0.0143	70.1129
High Turnover (Sit Down Restaurant)	1.89709 / 0.121091	3.9717	0.0622	1.5100e-003	5.9759
Strip Mall	0.462953 / 0.283746	1.3346	0.0152	3.7000e-004	1.8263
Total		321.7960	3.6615	0.0897	440.0599

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	91.2156 / 57.5055	265.2530	2.9996	0.0735	362.1448
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	17.7734 / 10.8934	51.2367	0.5844	0.0143	70.1129
High Turnover (Sit Down Restaurant)	1.89709 / 0.121091	3.9717	0.0622	1.5100e-003	5.9759
Strip Mall	0.462953 / 0.283746	1.3346	0.0152	3.7000e-004	1.8263
Total		321.7960	3.6615	0.0897	440.0599

8.0 Waste Detail

8.1 Mitigation Measures Waste

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	166.0344	9.8124	0.0000	411.3433
Unmitigated	166.0344	9.8124	0.0000	411.3433

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	644	130.7262	7.7257	0.0000	323.8686
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	93	18.8782	1.1157	0.0000	46.7698
High Turnover (Sit Down Restaurant)	74.38	15.0985	0.8923	0.0000	37.4058
Strip Mall	6.56	1.3316	0.0787	0.0000	3.2990
Total		166.0344	9.8124	0.0000	411.3433

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	644	130.7262	7.7257	0.0000	323.8686
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	93	18.8782	1.1157	0.0000	46.7698
High Turnover (Sit Down Restaurant)	74.38	15.0985	0.8923	0.0000	37.4058
Strip Mall	6.56	1.3316	0.0787	0.0000	3.2990
Total		166.0344	9.8124	0.0000	411.3433

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Annual

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Summer

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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
General Office Building	100.00	1000sqft	2.30	100,000.00	0
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Apartments Mid Rise	1,400.00	Dwelling Unit	13.80	1,189,298.00	4004
Strip Mall	6.25	1000sqft	1.02	6,250.00	0

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)	285.22	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Summer

Project Characteristics - MIG Modeler: Phil Gleason | SCE GHG Intensity Factors updated for SCE's forecasted compliance with state-wide RPS mandates.

Land Use - Lot acreage updated to match construction runs. Overall acreage is Phase 1 is slightly larger than parcel size identified in PD; project plans indicate the two parcels in P1 as being slightly larger.

Construction Phase - Operational Run. No Construction.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Architectural Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Vehicle Trips - Weekday trip rates provided by TIA preparer Fehr & Peers (2019). Rates reflect trip gen reduction factors applied in TIA; weekend rates scaled based on difference in weekday trip gen in TIA vs. default CalEEMod.

Woodstoves - Wood burning devices excluded from new development pursuant to SCAQMD Rule 445. Mitigation applied to reduce the number of gas fireplace units from 90% to 60% for the purposes of reducing area emissions of NOx.

Area Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Energy Use - T24 standards adjusted downward to reflect increased efficiency between 2016-2019 standards (CEC, 2017).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Summer

tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	LightingElect	3.77	2.64
tblEnergyUse	LightingElect	7.87	5.51
tblEnergyUse	LightingElect	6.26	4.38
tblEnergyUse	T24E	252.63	118.74
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	1,190.00	840.00
tblFireplaces	NumberWood	70.00	0.00
tblGrading	AcresOfGrading	0.00	75.00
tblLandUse	LandUseSquareFeet	1,400,000.00	1,189,298.00
tblLandUse	LotAcreage	12.13	1.78
tblLandUse	LotAcreage	36.84	13.80
tblLandUse	LotAcreage	0.14	1.02
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	285.22
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleTrips	ST_TR	6.39	4.32
tblVehicleTrips	ST_TR	2.46	1.71
tblVehicleTrips	ST_TR	158.37	68.36
tblVehicleTrips	ST_TR	42.04	8.80
tblVehicleTrips	SU_TR	5.86	3.96
tblVehicleTrips	SU_TR	1.05	0.73
tblVehicleTrips	SU_TR	131.84	56.90
tblVehicleTrips	SU_TR	20.43	4.28
tblVehicleTrips	WD_TR	6.65	4.49
tblVehicleTrips	WD_TR	11.03	7.67
tblVehicleTrips	WD_TR	127.15	54.88
tblVehicleTrips	WD_TR	44.32	9.28
tblWoodstoves	NumberCatalytic	70.00	0.00
tblWoodstoves	NumberNoncatalytic	70.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.5282	17,996.5282	0.5409	0.3261	18,107.2345
Energy	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
Mobile	10.9820	47.4691	145.8548	0.5910	52.3916	0.4352	52.8267	14.0178	0.4043	14.4220		60,293.6950	60,293.6950	2.7287		60,361.9135
Total	44.9080	68.1388	269.9029	0.7203	52.3916	2.6363	55.0279	14.0178	2.6054	16.6232	0.0000	85,138.9380	85,138.9380	3.4009	0.4517	85,358.5614

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	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.5282	17,996.5282	0.5409	0.3261	18,107.2345
Energy	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
Mobile	10.9820	47.4691	145.8548	0.5910	52.3916	0.4352	52.8267	14.0178	0.4043	14.4220		60,293.6950	60,293.6950	2.7287		60,361.9135
Total	44.9080	68.1388	269.9029	0.7203	52.3916	2.6363	55.0279	14.0178	2.6054	16.6232	0.0000	85,138.9380	85,138.9380	3.4009	0.4517	85,358.5614

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/21/2019	6/20/2019	5	0	
2	Site Preparation	Site Preparation	7/19/2019	7/18/2019	5	0	
3	Grading	Grading	8/2/2019	8/1/2019	5	0	
4	Building Construction	Building Construction	9/13/2019	9/12/2019	5	0	
5	Paving	Paving	11/6/2020	11/5/2020	5	0	
6	Architectural Coating	Architectural Coating	12/4/2020	12/3/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 1.78

Residential Indoor: 2,408,328; Residential Outdoor: 802,776; Non-Residential Indoor: 168,750; Non-Residential Outdoor: 56,250; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 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	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	10.9820	47.4691	145.8548	0.5910	52.3916	0.4352	52.8267	14.0178	0.4043	14.4220		60,293.69 50	60,293.69 50	2.7287		60,361.91 35
Unmitigated	10.9820	47.4691	145.8548	0.5910	52.3916	0.4352	52.8267	14.0178	0.4043	14.4220		60,293.69 50	60,293.69 50	2.7287		60,361.91 35

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	6,286.00	6,048.00	5544.00	21,001,816	21,001,816
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	767.00	171.00	73.00	1,877,191	1,877,191
High Turnover (Sit Down Restaurant)	343.00	427.25	355.63	486,311	486,311
Strip Mall	58.00	55.00	26.75	101,041	101,041
Total	7,454.00	6,701.25	5,999.38	23,466,360	23,466,360

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Summer

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
Enclosed Parking with Elevator	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
General Office Building	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
High Turnover (Sit Down Restaurant)	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
NaturalGas Unmitigated	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	51382.6	0.5541	4.7353	2.0150	0.0302		0.3829	0.3829		0.3829	0.3829		6,045.0082	6,045.0082	0.1159	0.1108	6,080.9307
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2852.05	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
High Turnover (Sit Down Restaurant)	3951.37	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Strip Mall	28.0822	3.0000e-004	2.7500e-003	2.3100e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3038	3.3038	6.0000e-005	6.0000e-005	3.3234
Total		0.6278	5.4050	2.5776	0.0343		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	51.3826	0.5541	4.7353	2.0150	0.0302		0.3829	0.3829		0.3829	0.3829		6,045.0082	6,045.0082	0.1159	0.1108	6,080.9307
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2.85205	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
High Turnover (Sit Down Restaurant)	3.95137	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Strip Mall	0.0280822	3.0000e-004	2.7500e-003	2.3100e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3038	3.3038	6.0000e-005	6.0000e-005	3.3234
Total		0.6278	5.4050	2.5776	0.0343		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

6.0 Area Detail

6.1 Mitigation Measures Area

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.5282	17,996.5282	0.5409	0.3261	18,107.2345
Unmitigated	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.5282	17,996.5282	0.5409	0.3261	18,107.2345

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	2.2228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.9666					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6306	13.9341	5.9294	0.0889		1.1266	1.1266		1.1266	1.1266	0.0000	17,788.2353	17,788.2353	0.3409	0.3261	17,893.9419
Landscaping	3.4783	1.3305	115.5411	6.1100e-003		0.6408	0.6408		0.6408	0.6408		208.2929	208.2929	0.2000		213.2926
Total	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.5281	17,996.5281	0.5409	0.3261	18,107.2345

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	2.2228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.9666					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6306	13.9341	5.9294	0.0889		1.1266	1.1266		1.1266	1.1266	0.0000	17,788.2353	17,788.2353	0.3409	0.3261	17,893.9419
Landscaping	3.4783	1.3305	115.5411	6.1100e-003		0.6408	0.6408		0.6408	0.6408		208.2929	208.2929	0.2000		213.2926
Total	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.5281	17,996.5281	0.5409	0.3261	18,107.2345

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Summer

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

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Winter

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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
General Office Building	100.00	1000sqft	2.30	100,000.00	0
Enclosed Parking with Elevator	1,348.00	Space	1.78	539,200.00	0
High Turnover (Sit Down Restaurant)	6.25	1000sqft	0.14	6,250.00	0
Apartments Mid Rise	1,400.00	Dwelling Unit	13.80	1,189,298.00	4004
Strip Mall	6.25	1000sqft	1.02	6,250.00	0

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)	285.22	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Winter

Project Characteristics - MIG Modeler: Phil Gleason | SCE GHG Intensity Factors updated for SCE's forecasted compliance with state-wide RPS mandates.

Land Use - Lot acreage updated to match construction runs. Overall acreage is Phase 1 is slightly larger than parcel size identified in PD; project plans indicate the two parcels in P1 as being slightly larger.

Construction Phase - Operational Run. No Construction.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Off-road Equipment - Future operational run. No construction equipment modeled.

Architectural Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Vehicle Trips - Weekday trip rates provided by TIA preparer Fehr & Peers (2019). Rates reflect trip gen reduction factors applied in TIA; weekend rates scaled based on difference in weekday trip gen in TIA vs. default CalEEMod.

Woodstoves - Wood burning devices excluded from new development pursuant to SCAQMD Rule 445. Mitigation applied to reduce the number of gas fireplace units from 90% to 60% for the purposes of reducing area emissions of NOx.

Area Coating - As of January 1, 2019 SCAQMD Rule 1113 requires the use of paints 50 g/L VOC or less for building envelope coating.

Energy Use - T24 standards adjusted downward to reflect increased efficiency between 2016-2019 standards (CEC, 2017).

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	NumDays	30.00	0.00
tblConstructionPhase	NumDays	300.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Winter

tblEnergyUse	LightingElect	1.75	1.23
tblEnergyUse	LightingElect	3.77	2.64
tblEnergyUse	LightingElect	7.87	5.51
tblEnergyUse	LightingElect	6.26	4.38
tblEnergyUse	T24E	252.63	118.74
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	1,190.00	840.00
tblFireplaces	NumberWood	70.00	0.00
tblGrading	AcresOfGrading	0.00	75.00
tblLandUse	LandUseSquareFeet	1,400,000.00	1,189,298.00
tblLandUse	LotAcreage	12.13	1.78
tblLandUse	LotAcreage	36.84	13.80
tblLandUse	LotAcreage	0.14	1.02
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	285.22
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleTrips	ST_TR	6.39	4.32
tblVehicleTrips	ST_TR	2.46	1.71
tblVehicleTrips	ST_TR	158.37	68.36
tblVehicleTrips	ST_TR	42.04	8.80
tblVehicleTrips	SU_TR	5.86	3.96
tblVehicleTrips	SU_TR	1.05	0.73
tblVehicleTrips	SU_TR	131.84	56.90
tblVehicleTrips	SU_TR	20.43	4.28
tblVehicleTrips	WD_TR	6.65	4.49
tblVehicleTrips	WD_TR	11.03	7.67
tblVehicleTrips	WD_TR	127.15	54.88
tblVehicleTrips	WD_TR	44.32	9.28
tblWoodstoves	NumberCatalytic	70.00	0.00
tblWoodstoves	NumberNoncatalytic	70.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.5282	17,996.5282	0.5409	0.3261	18,107.2345
Energy	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
Mobile	10.6345	48.5003	138.1458	0.5627	52.3916	0.4368	52.8284	14.0178	0.4058	14.4236		57,438.0805	57,438.0805	2.7233		57,506.1633
Total	44.5606	69.1700	262.1939	0.6920	52.3916	2.6380	55.0295	14.0178	2.6070	16.6248	0.0000	82,283.3235	82,283.3235	3.3955	0.4517	82,502.8112

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	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.5282	17,996.5282	0.5409	0.3261	18,107.2345
Energy	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
Mobile	10.6345	48.5003	138.1458	0.5627	52.3916	0.4368	52.8284	14.0178	0.4058	14.4236		57,438.0805	57,438.0805	2.7233		57,506.1633
Total	44.5606	69.1700	262.1939	0.6920	52.3916	2.6380	55.0295	14.0178	2.6070	16.6248	0.0000	82,283.3235	82,283.3235	3.3955	0.4517	82,502.8112

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/21/2019	6/20/2019	5	0	
2	Site Preparation	Site Preparation	7/19/2019	7/18/2019	5	0	
3	Grading	Grading	8/2/2019	8/1/2019	5	0	
4	Building Construction	Building Construction	9/13/2019	9/12/2019	5	0	
5	Paving	Paving	11/6/2020	11/5/2020	5	0	
6	Architectural Coating	Architectural Coating	12/4/2020	12/3/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 1.78

Residential Indoor: 2,408,328; Residential Outdoor: 802,776; Non-Residential Indoor: 168,750; Non-Residential Outdoor: 56,250; Striped Parking Area: 32,352 (Architectural Coating – sqft)

OffRoad Equipment

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Excavators	0	8.00	158	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Excavators	0	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Scrapers	0	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	0	8.00	132	0.36
Paving	Rollers	0	8.00	80	0.38
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 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	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	10.6345	48.5003	138.1458	0.5627	52.3916	0.4368	52.8284	14.0178	0.4058	14.4236		57,438.0805	57,438.0805	2.7233		57,506.1633
Unmitigated	10.6345	48.5003	138.1458	0.5627	52.3916	0.4368	52.8284	14.0178	0.4058	14.4236		57,438.0805	57,438.0805	2.7233		57,506.1633

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	6,286.00	6,048.00	5544.00	21,001,816	21,001,816
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	767.00	171.00	73.00	1,877,191	1,877,191
High Turnover (Sit Down Restaurant)	343.00	427.25	355.63	486,311	486,311
Strip Mall	58.00	55.00	26.75	101,041	101,041
Total	7,454.00	6,701.25	5,999.38	23,466,360	23,466,360

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Winter

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
Enclosed Parking with Elevator	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
General Office Building	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
High Turnover (Sit Down Restaurant)	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
Strip Mall	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134
NaturalGas Unmitigated	0.6278	5.4050	2.5776	0.0342		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	51382.6	0.5541	4.7353	2.0150	0.0302		0.3829	0.3829		0.3829	0.3829		6,045.0082	6,045.0082	0.1159	0.1108	6,080.9307
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2852.05	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
High Turnover (Sit Down Restaurant)	3951.37	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Strip Mall	28.0822	3.0000e-004	2.7500e-003	2.3100e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3038	3.3038	6.0000e-005	6.0000e-005	3.3234
Total		0.6278	5.4050	2.5776	0.0343		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	51.3826	0.5541	4.7353	2.0150	0.0302		0.3829	0.3829		0.3829	0.3829		6,045.0082	6,045.0082	0.1159	0.1108	6,080.9307
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	2.85205	0.0308	0.2796	0.2349	1.6800e-003		0.0213	0.0213		0.0213	0.0213		335.5359	335.5359	6.4300e-003	6.1500e-003	337.5298
High Turnover (Sit Down Restaurant)	3.95137	0.0426	0.3874	0.3254	2.3200e-003		0.0294	0.0294		0.0294	0.0294		464.8670	464.8670	8.9100e-003	8.5200e-003	467.6295
Strip Mall	0.0280822	3.0000e-004	2.7500e-003	2.3100e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3038	3.3038	6.0000e-005	6.0000e-005	3.3234
Total		0.6278	5.4050	2.5776	0.0343		0.4338	0.4338		0.4338	0.4338		6,848.7149	6,848.7149	0.1313	0.1256	6,889.4134

6.0 Area Detail

6.1 Mitigation Measures Area

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.52 82	17,996.52 82	0.5409	0.3261	18,107.23 45
Unmitigated	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.52 82	17,996.52 82	0.5409	0.3261	18,107.23 45

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	2.2228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.9666					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6306	13.9341	5.9294	0.0889		1.1266	1.1266		1.1266	1.1266	0.0000	17,788.23 53	17,788.23 53	0.3409	0.3261	17,893.94 19
Landscaping	3.4783	1.3305	115.5411	6.1100e-003		0.6408	0.6408		0.6408	0.6408		208.2929	208.2929	0.2000		213.2926
Total	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.52 81	17,996.52 81	0.5409	0.3261	18,107.23 45

Duarte Station Specific Plan (Operational Run; 2025 - Hearth 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	2.2228					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	25.9666					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.6306	13.9341	5.9294	0.0889		1.1266	1.1266		1.1266	1.1266	0.0000	17,788.23 53	17,788.23 53	0.3409	0.3261	17,893.94 19
Landscaping	3.4783	1.3305	115.5411	6.1100e-003		0.6408	0.6408		0.6408	0.6408		208.2929	208.2929	0.2000		213.2926
Total	33.2983	15.2647	121.4705	0.0951		1.7674	1.7674		1.7674	1.7674	0.0000	17,996.52 81	17,996.52 81	0.5409	0.3261	18,107.23 45

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Duarte Station Specific Plan (Operational Run; 2025 - Hearth Mitigation) - Los Angeles-South Coast County, Winter

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

Duarte Station Specific Plan Draft EIR
 EMFAC2017 WebDataBase Output File
 Los Angeles South Coast, 2021 to 2050 Diesel Vehcile Emission Factors (65MPH)

Vehicle Class	2021 - 2050 Average PM10 Emission Factor (Grams/Mile)	2021 Vehicle Population	Class % of Total Area Vehicle Pop	I-210 ADT	Class Vehicles on I-210	Trip Length (miles)	Total Daily Class Miles	Total Daily PM10 (Grams)	Total Daily PM10 (Grams/Sec)
LDA	0.002131846	32,586	0.45%	311,972	1,391	0.61	848	1.808857102	2.09358E-05
LDT1	0.035587085	291	0.00%	311,972	12	0.61	8	0.269520366	3.11945E-06
LDT2	0.003468453	8,031	0.11%	311,972	343	0.61	209	0.725303357	8.39471E-06
LHDT1	0.006480988	59,340	0.81%	311,972	2,533	0.61	1,545	10.01385464	0.000115901
LHDT2	0.010973085	23,955	0.33%	311,972	1,023	0.61	624	6.844403056	7.92176E-05
HHDT	0.035336317	55,991	0.77%	311,972	2,390	0.61	1,458	51.51689952	0.00059626
MDV	0.001552955	17,653	0.24%	311,972	754	0.61	460	0.713820065	8.26181E-06
MH	0.042742779	5,558	0.08%	311,972	237	0.61	145	6.186299655	7.16007E-05
MHDT	0.018924589	64,530	0.88%	311,972	2,754	0.61	1,680	31.79783868	0.000368031
OBUS	0.02616545	3,046	0.04%	311,972	130	0.61	79	2.075569263	2.40228E-05
SBUS	0.01934142	3,421	0.05%	311,972	146	0.61	89	1.7227782	1.99396E-05
UBUS	0.004949037	10	0.00%	311,972	0	0.61	0	0.001306541	1.5122E-08
ALL DSL	0.015909426	274,413	3.75%	311,972	11,713	0.61	7,145	113.6764504	0.0013157

Notes:

2021 - 2050 average emission factor derived from EMFAC2017
 2021 vehicle population derived from EMFAC2017
 I-210 ADT from Caltrans AADT data

AERMOD Source Area Size: 501512.2 square feet
 Rate: 2.623E-09 grams/second/sq foot
 AERMOD Source Area Size: 46592 square meters
 Rate: 2.824E-08 grams/second/sq meter

Duarte Station Specific Plan Draft EIR
EMFAC2017 WebDataBase Output File
Los Angeles South Coast, 2021 to 2050 Diesel Vehcile Emission Factors (65MPH)

Vehicle Class	Speed	PM10 Average Running Exhaust Emission Factor (Grams/Mile)
HHDT	65 MPH	0.035336317
LDA	65 MPH	0.002131846
LDT1	65 MPH	0.035587085
LDT2	65 MPH	0.003468453
LDHT1	65 MPH	0.006480988
LHDT2	65 MPH	0.010973085
MDV	65 MPH	0.001552955
MH	65 MPH	0.042742779
MHDT	65 MPH	0.018924589
OBUS	65 MPH	0.02616545
SBUS	55 MPH	0.01934142
UBUS	65 MPH	0.004949037

Source: EMFAC2017

Note: SBUS factors are for 55mph travel speed

Duarte Station Specific Plan Draft EIR
EMFAC2017 WebDataBase Output File
Los Angeles South Coast, 2021 to 2050 Diesel Vehcile Emission Factors (65MPH)

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Sub-Area

Region: Los Angeles (SC)

Calendar Year: 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039,
 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, g/mile for RUNEX, PMBW and PMTW

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	ROG_R	TOG_R	CO_RU	NOx_R	SOx_R	CO2_R	CH4_RU	PM10_	PM2_5	N2O_RU
							UNEX	UNEX	NEX	UNEX	UNEX	UNEX	NEX	RUNEX	X	NEX
Los Angeles (SC)	2021	HHDT	Aggregatec	55	DSL	764929	0.066	0.075	0.265	3.026	0.012	1261	0.003	0.054	0.051	0.1983
Los Angeles (SC)	2021	LDA	Aggregatec	55	DSL	71920.1	0.013	0.015	0.145	0.093	0.002	182.6	0.0006	0.009	0.008	0.0287
Los Angeles (SC)	2021	LDT1	Aggregatec	55	DSL	398.769	0.15	0.171	1.11	1.272	0.004	388.6	0.007	0.115	0.11	0.0611
Los Angeles (SC)	2021	LDT2	Aggregatec	55	DSL	19411	0.01	0.011	0.074	0.04	0.002	247.5	0.0004	0.005	0.005	0.0389
Los Angeles (SC)	2021	LHDT1	Aggregatec	55	DSL	251715	0.048	0.055	0.287	1.51	0.004	465.7	0.0022	0.012	0.011	0.0732
Los Angeles (SC)	2021	LHDT2	Aggregatec	55	DSL	97780.9	0.047	0.054	0.277	1.436	0.005	507.2	0.0022	0.013	0.012	0.0797
Los Angeles (SC)	2021	MDV	Aggregatec	55	DSL	39640.8	0.007	0.008	0.11	0.046	0.003	325.7	0.0003	0.004	0.004	0.0512
Los Angeles (SC)	2021	MH	Aggregatec	55	DSL	6091.08	0.042	0.047	0.197	3.036	0.008	880.4	0.0019	0.082	0.078	0.1384
Los Angeles (SC)	2021	MHDT	Aggregatec	55	DSL	416256	0.08	0.092	0.341	2.072	0.008	850.8	0.0037	0.08	0.077	0.1337
Los Angeles (SC)	2021	OBUS	Aggregatec	55	DSL	23570.8	0.093	0.106	0.368	2.54	0.01	1049	0.0043	0.075	0.071	0.1649
Los Angeles (SC)	2021	SBUS	Aggregatec	55	DSL	4791.16	0.048	0.054	0.151	5.974	0.009	957.2	0.0022	0.036	0.034	0.1505
Los Angeles (SC)	2021	UBUS	Aggregatec	55	DSL	16.6415	6E-04	0.04	0.05	0.147	0.011	1210	0.0389	0.015	0.014	0.1902
Los Angeles (SC)	2022	HHDT	Aggregatec	55	DSL	785332	0.041	0.047	0.16	2.524	0.012	1226	0.0019	0.033	0.032	0.1927
Los Angeles (SC)	2022	LDA	Aggregatec	55	DSL	75655.4	0.011	0.012	0.132	0.076	0.002	177.9	0.0005	0.007	0.007	0.028
Los Angeles (SC)	2022	LDT1	Aggregatec	55	DSL	367.162	0.143	0.163	1.058	1.209	0.004	384.2	0.0066	0.109	0.104	0.0604
Los Angeles (SC)	2022	LDT2	Aggregatec	55	DSL	20967.6	0.009	0.01	0.073	0.036	0.002	240.7	0.0004	0.005	0.004	0.0378

Los Angeles (SC)	2022 LHDT1	Aggregatec	55 DSL	267682	0.044	0.05	0.256	1.274	0.004	458.7	0.002	0.011	0.01	0.0721
Los Angeles (SC)	2022 LHDT2	Aggregatec	55 DSL	104092	0.043	0.049	0.248	1.219	0.005	499.6	0.002	0.012	0.012	0.0785
Los Angeles (SC)	2022 MDV	Aggregatec	55 DSL	42751.3	0.006	0.007	0.105	0.039	0.003	316.4	0.0003	0.004	0.004	0.0497
Los Angeles (SC)	2022 MH	Aggregatec	55 DSL	6377.26	0.039	0.045	0.182	2.843	0.008	868.2	0.0018	0.074	0.071	0.1365
Los Angeles (SC)	2022 MHDT	Aggregatec	55 DSL	427398	0.038	0.044	0.182	1.274	0.008	818.3	0.0018	0.044	0.042	0.1286
Los Angeles (SC)	2022 OBUS	Aggregatec	55 DSL	24165.5	0.039	0.044	0.149	1.611	0.01	1014	0.0018	0.031	0.029	0.1593
Los Angeles (SC)	2022 SBUS	Aggregatec	55 DSL	4843.17	0.045	0.052	0.146	5.674	0.009	945.8	0.0021	0.034	0.033	0.1487
Los Angeles (SC)	2022 UBUS	Aggregatec	55 DSL	16.6415	6E-04	0.04	0.05	0.147	0.011	1210	0.0389	0.015	0.014	0.1902
Los Angeles (SC)	2023 HHDT	Aggregatec	55 DSL	805608	0.014	0.016	0.098	1.382	0.011	1135	0.0007	0.024	0.023	0.1784
Los Angeles (SC)	2023 LDA	Aggregatec	55 DSL	79017.2	0.009	0.011	0.121	0.062	0.002	173.2	0.0004	0.006	0.006	0.0272
Los Angeles (SC)	2023 LDT1	Aggregatec	55 DSL	339.778	0.136	0.155	1.005	1.143	0.004	378.9	0.0063	0.103	0.099	0.0596
Los Angeles (SC)	2023 LDT2	Aggregatec	55 DSL	22397.6	0.009	0.01	0.072	0.033	0.002	234.1	0.0004	0.004	0.004	0.0368
Los Angeles (SC)	2023 LHDT1	Aggregatec	55 DSL	282155	0.04	0.046	0.23	1.082	0.004	451.6	0.0019	0.01	0.01	0.071
Los Angeles (SC)	2023 LHDT2	Aggregatec	55 DSL	109858	0.04	0.045	0.225	1.042	0.005	491.9	0.0018	0.012	0.011	0.0773
Los Angeles (SC)	2023 MDV	Aggregatec	55 DSL	45623	0.006	0.007	0.101	0.034	0.003	307.5	0.0003	0.003	0.003	0.0483
Los Angeles (SC)	2023 MH	Aggregatec	55 DSL	6638.83	0.037	0.042	0.17	2.679	0.008	857.7	0.0017	0.068	0.065	0.1348
Los Angeles (SC)	2023 MHDT	Aggregatec	55 DSL	438346	0.006	0.007	0.036	0.633	0.007	779.2	0.0003	0.009	0.009	0.1225
Los Angeles (SC)	2023 OBUS	Aggregatec	55 DSL	24755.5	0.008	0.01	0.057	0.868	0.009	979.5	0.0004	0.014	0.014	0.154
Los Angeles (SC)	2023 SBUS	Aggregatec	55 DSL	4891.93	0.043	0.049	0.142	5.365	0.009	934.3	0.002	0.033	0.032	0.1469
Los Angeles (SC)	2023 UBUS	Aggregatec	55 DSL	16.6415	6E-04	0.04	0.05	0.147	0.011	1210	0.0389	0.015	0.014	0.1902
Los Angeles (SC)	2024 HHDT	Aggregatec	55 DSL	825759	0.014	0.016	0.099	1.383	0.011	1122	0.0007	0.025	0.024	0.1763
Los Angeles (SC)	2024 LDA	Aggregatec	55 DSL	78866.6	0.008	0.009	0.112	0.05	0.002	168.5	0.0004	0.005	0.005	0.0265
Los Angeles (SC)	2024 LDT1	Aggregatec	55 DSL	302.988	0.126	0.144	0.947	1.073	0.004	373	0.0059	0.096	0.092	0.0586
Los Angeles (SC)	2024 LDT2	Aggregatec	55 DSL	22765.2	0.008	0.009	0.07	0.029	0.002	227.6	0.0004	0.004	0.004	0.0358
Los Angeles (SC)	2024 LHDT1	Aggregatec	55 DSL	296382	0.037	0.042	0.209	0.923	0.004	444.4	0.0017	0.009	0.009	0.0699
Los Angeles (SC)	2024 LHDT2	Aggregatec	55 DSL	115480	0.037	0.042	0.206	0.895	0.005	484.2	0.0017	0.011	0.011	0.0761
Los Angeles (SC)	2024 MDV	Aggregatec	55 DSL	46393.3	0.005	0.006	0.098	0.03	0.003	298.9	0.0003	0.003	0.003	0.047
Los Angeles (SC)	2024 MH	Aggregatec	55 DSL	6639.55	0.035	0.04	0.159	2.543	0.008	844	0.0016	0.062	0.06	0.1327
Los Angeles (SC)	2024 MHDT	Aggregatec	55 DSL	433892	0.006	0.007	0.036	0.627	0.007	766.9	0.0003	0.01	0.009	0.1205
Los Angeles (SC)	2024 OBUS	Aggregatec	55 DSL	24822.5	0.009	0.01	0.058	0.878	0.009	971.6	0.0004	0.015	0.014	0.1527
Los Angeles (SC)	2024 SBUS	Aggregatec	55 DSL	4932.23	0.041	0.047	0.138	5.034	0.009	921.4	0.0019	0.032	0.031	0.1448
Los Angeles (SC)	2024 UBUS	Aggregatec	55 DSL	15.5633	6E-04	0.04	0.05	0.147	0.011	1210	0.0389	0.015	0.014	0.1902
Los Angeles (SC)	2025 HHDT	Aggregatec	55 DSL	844044	0.014	0.016	0.1	1.365	0.01	1104	0.0007	0.025	0.024	0.1736
Los Angeles (SC)	2025 LDA	Aggregatec	55 DSL	81341.5	0.007	0.008	0.105	0.041	0.002	163.8	0.0003	0.004	0.004	0.0257

Los Angeles (SC)	2025 LDT1	Aggregatec	55 DSL	282.46	0.119	0.135	0.891	1.003	0.003	366.3	0.0055	0.09	0.086	0.0576
Los Angeles (SC)	2025 LDT2	Aggregatec	55 DSL	23852.9	0.008	0.009	0.07	0.026	0.002	221.1	0.0004	0.004	0.003	0.0348
Los Angeles (SC)	2025 LHDT1	Aggregatec	55 DSL	308373	0.035	0.04	0.192	0.789	0.004	437.2	0.0016	0.009	0.008	0.0687
Los Angeles (SC)	2025 LHDT2	Aggregatec	55 DSL	120238	0.035	0.039	0.19	0.772	0.005	476.4	0.0016	0.011	0.011	0.0749
Los Angeles (SC)	2025 MDV	Aggregatec	55 DSL	48607.7	0.005	0.006	0.095	0.026	0.003	290.4	0.0002	0.003	0.003	0.0456
Los Angeles (SC)	2025 MH	Aggregatec	55 DSL	6845.46	0.034	0.039	0.15	2.425	0.008	830.9	0.0016	0.058	0.055	0.1306
Los Angeles (SC)	2025 MHDT	Aggregatec	55 DSL	442325	0.006	0.007	0.036	0.621	0.007	754	0.0003	0.01	0.009	0.1185
Los Angeles (SC)	2025 OBUS	Aggregatec	55 DSL	25359.8	0.009	0.01	0.058	0.855	0.009	949.3	0.0004	0.015	0.014	0.1492
Los Angeles (SC)	2025 SBUS	Aggregatec	55 DSL	4964.4	0.039	0.045	0.134	4.682	0.009	907.9	0.0018	0.031	0.03	0.1427
Los Angeles (SC)	2025 UBUS	Aggregatec	55 DSL	9.91114	6E-04	0.04	0.05	0.147	0.011	1210	0.0389	0.015	0.014	0.1902
Los Angeles (SC)	2026 HHDT	Aggregatec	55 DSL	864515	0.014	0.016	0.1	1.339	0.01	1085	0.0007	0.025	0.024	0.1706
Los Angeles (SC)	2026 LDA	Aggregatec	55 DSL	83319.4	0.006	0.007	0.098	0.033	0.002	159.7	0.0003	0.003	0.003	0.0251
Los Angeles (SC)	2026 LDT1	Aggregatec	55 DSL	254.214	0.104	0.118	0.811	0.892	0.003	358.3	0.0048	0.077	0.074	0.0563
Los Angeles (SC)	2026 LDT2	Aggregatec	55 DSL	24785.8	0.008	0.009	0.07	0.025	0.002	215.7	0.0003	0.003	0.003	0.0339
Los Angeles (SC)	2026 LHDT1	Aggregatec	55 DSL	319498	0.033	0.037	0.176	0.674	0.004	429.9	0.0015	0.008	0.008	0.0676
Los Angeles (SC)	2026 LHDT2	Aggregatec	55 DSL	124630	0.033	0.037	0.176	0.668	0.004	468.6	0.0015	0.011	0.011	0.0737
Los Angeles (SC)	2026 MDV	Aggregatec	55 DSL	50495.7	0.005	0.005	0.093	0.023	0.003	283.1	0.0002	0.003	0.002	0.0445
Los Angeles (SC)	2026 MH	Aggregatec	55 DSL	7036.7	0.033	0.037	0.141	2.321	0.008	819.3	0.0015	0.053	0.051	0.1288
Los Angeles (SC)	2026 MHDT	Aggregatec	55 DSL	450767	0.006	0.007	0.036	0.613	0.007	741.6	0.0003	0.01	0.009	0.1166
Los Angeles (SC)	2026 OBUS	Aggregatec	55 DSL	25904.2	0.009	0.01	0.057	0.836	0.009	929.2	0.0004	0.015	0.014	0.1461
Los Angeles (SC)	2026 SBUS	Aggregatec	55 DSL	4989.38	0.037	0.042	0.129	4.302	0.008	893.8	0.0017	0.03	0.029	0.1405
Los Angeles (SC)	2026 UBUS	Aggregatec	55 DSL	9.91114	6E-04	0.04	0.05	0.147	0.011	1210	0.0389	0.015	0.014	0.1902
Los Angeles (SC)	2027 HHDT	Aggregatec	55 DSL	886291	0.014	0.016	0.099	1.312	0.01	1066	0.0007	0.025	0.024	0.1675
Los Angeles (SC)	2027 LDA	Aggregatec	55 DSL	85179.1	0.005	0.006	0.093	0.025	0.001	156.2	0.0002	0.003	0.003	0.0246
Los Angeles (SC)	2027 LDT1	Aggregatec	55 DSL	216.755	0.076	0.086	0.684	0.701	0.003	347.3	0.0035	0.054	0.051	0.0546
Los Angeles (SC)	2027 LDT2	Aggregatec	55 DSL	25650.5	0.007	0.008	0.07	0.023	0.002	211	0.0003	0.003	0.003	0.0332
Los Angeles (SC)	2027 LHDT1	Aggregatec	55 DSL	329719	0.031	0.035	0.164	0.577	0.004	422.7	0.0014	0.008	0.007	0.0664
Los Angeles (SC)	2027 LHDT2	Aggregatec	55 DSL	128655	0.031	0.035	0.165	0.581	0.004	460.8	0.0014	0.011	0.01	0.0724
Los Angeles (SC)	2027 MDV	Aggregatec	55 DSL	52264.3	0.004	0.005	0.091	0.019	0.003	276.7	0.0002	0.002	0.002	0.0435
Los Angeles (SC)	2027 MH	Aggregatec	55 DSL	7210.35	0.031	0.036	0.134	2.228	0.008	807.2	0.0015	0.049	0.047	0.1269
Los Angeles (SC)	2027 MHDT	Aggregatec	55 DSL	460006	0.006	0.007	0.036	0.604	0.007	728.6	0.0003	0.01	0.009	0.1145
Los Angeles (SC)	2027 OBUS	Aggregatec	55 DSL	26507.8	0.008	0.01	0.057	0.817	0.009	909.1	0.0004	0.014	0.014	0.1429
Los Angeles (SC)	2027 SBUS	Aggregatec	55 DSL	5019.28	0.035	0.039	0.123	3.899	0.008	878.4	0.0016	0.029	0.028	0.1381
Los Angeles (SC)	2027 UBUS	Aggregatec	55 DSL	9.91114	6E-04	0.04	0.05	0.147	0.011	1210	0.0389	0.015	0.014	0.1902

Los Angeles (SC)	2028 HHDT	Aggregatec	55 DSL	905260	0.014	0.016	0.099	1.284	0.01	1046	0.0007	0.025	0.024	0.1644
Los Angeles (SC)	2028 LDA	Aggregatec	55 DSL	86813.6	0.004	0.005	0.088	0.02	0.001	153.2	0.0002	0.002	0.002	0.0241
Los Angeles (SC)	2028 LDT1	Aggregatec	55 DSL	198.168	0.065	0.074	0.594	0.589	0.003	337.7	0.003	0.041	0.039	0.0531
Los Angeles (SC)	2028 LDT2	Aggregatec	55 DSL	26429.6	0.007	0.008	0.07	0.023	0.002	206.9	0.0003	0.003	0.003	0.0325
Los Angeles (SC)	2028 LHDT1	Aggregatec	55 DSL	339156	0.029	0.033	0.153	0.495	0.004	416.3	0.0014	0.007	0.007	0.0654
Los Angeles (SC)	2028 LHDT2	Aggregatec	55 DSL	132389	0.03	0.034	0.155	0.507	0.004	453.9	0.0014	0.011	0.01	0.0713
Los Angeles (SC)	2028 MDV	Aggregatec	55 DSL	53865.2	0.004	0.004	0.089	0.016	0.003	271.2	0.0002	0.002	0.002	0.0426
Los Angeles (SC)	2028 MH	Aggregatec	55 DSL	7366.19	0.03	0.034	0.127	2.146	0.008	796.1	0.0014	0.046	0.044	0.1251
Los Angeles (SC)	2028 MHDT	Aggregatec	55 DSL	466820	0.006	0.007	0.036	0.598	0.007	716.6	0.0003	0.01	0.009	0.1126
Los Angeles (SC)	2028 OBUS	Aggregatec	55 DSL	26958.5	0.008	0.01	0.057	0.809	0.008	892.7	0.0004	0.014	0.014	0.1403
Los Angeles (SC)	2028 SBUS	Aggregatec	55 DSL	5060.31	0.032	0.036	0.117	3.491	0.008	862.4	0.0015	0.028	0.026	0.1356
Los Angeles (SC)	2028 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2029 HHDT	Aggregatec	55 DSL	924257	0.014	0.016	0.098	1.254	0.01	1025	0.0007	0.025	0.023	0.1611
Los Angeles (SC)	2029 LDA	Aggregatec	55 DSL	88248.9	0.004	0.004	0.084	0.016	0.001	150.6	0.0002	0.002	0.002	0.0237
Los Angeles (SC)	2029 LDT1	Aggregatec	55 DSL	182.975	0.049	0.056	0.466	0.492	0.003	329.6	0.0023	0.03	0.029	0.0518
Los Angeles (SC)	2029 LDT2	Aggregatec	55 DSL	27105.3	0.007	0.008	0.071	0.022	0.002	203.3	0.0003	0.003	0.003	0.0319
Los Angeles (SC)	2029 LHDT1	Aggregatec	55 DSL	347956	0.028	0.032	0.144	0.425	0.004	410.8	0.0013	0.007	0.007	0.0646
Los Angeles (SC)	2029 LHDT2	Aggregatec	55 DSL	135874	0.028	0.032	0.147	0.445	0.004	447.9	0.0013	0.011	0.01	0.0704
Los Angeles (SC)	2029 MDV	Aggregatec	55 DSL	55296	0.004	0.004	0.087	0.014	0.003	266.5	0.0002	0.002	0.002	0.0419
Los Angeles (SC)	2029 MH	Aggregatec	55 DSL	7510.03	0.029	0.033	0.12	2.071	0.007	786	0.0014	0.043	0.041	0.1236
Los Angeles (SC)	2029 MHDT	Aggregatec	55 DSL	473433	0.006	0.007	0.036	0.594	0.007	705.7	0.0003	0.01	0.009	0.1109
Los Angeles (SC)	2029 OBUS	Aggregatec	55 DSL	27411	0.008	0.01	0.057	0.808	0.008	879.2	0.0004	0.015	0.014	0.1382
Los Angeles (SC)	2029 SBUS	Aggregatec	55 DSL	5115.26	0.029	0.034	0.11	3.095	0.008	846.4	0.0014	0.026	0.025	0.133
Los Angeles (SC)	2029 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2030 HHDT	Aggregatec	55 DSL	943300	0.014	0.016	0.098	1.224	0.009	1004	0.0007	0.024	0.023	0.1578
Los Angeles (SC)	2030 LDA	Aggregatec	55 DSL	89511.8	0.003	0.004	0.08	0.013	0.001	148.4	0.0002	0.001	0.001	0.0233
Los Angeles (SC)	2030 LDT1	Aggregatec	55 DSL	172.554	0.036	0.041	0.363	0.408	0.003	321.5	0.0017	0.022	0.021	0.0505
Los Angeles (SC)	2030 LDT2	Aggregatec	55 DSL	27695.9	0.007	0.008	0.071	0.022	0.002	200	0.0003	0.003	0.003	0.0314
Los Angeles (SC)	2030 LHDT1	Aggregatec	55 DSL	356171	0.027	0.03	0.136	0.365	0.004	406	0.0012	0.007	0.006	0.0638
Los Angeles (SC)	2030 LHDT2	Aggregatec	55 DSL	139110	0.027	0.031	0.14	0.393	0.004	442.7	0.0013	0.011	0.01	0.0696
Los Angeles (SC)	2030 MDV	Aggregatec	55 DSL	56598.4	0.003	0.004	0.086	0.013	0.002	262.3	0.0002	0.002	0.001	0.0412
Los Angeles (SC)	2030 MH	Aggregatec	55 DSL	7645.39	0.028	0.032	0.115	2.005	0.007	777.1	0.0013	0.04	0.038	0.1222
Los Angeles (SC)	2030 MHDT	Aggregatec	55 DSL	479826	0.006	0.007	0.036	0.59	0.007	695.6	0.0003	0.01	0.01	0.1093
Los Angeles (SC)	2030 OBUS	Aggregatec	55 DSL	27833.8	0.008	0.01	0.057	0.809	0.008	868.1	0.0004	0.015	0.014	0.1365

Los Angeles (SC)	2030 SBUS	Aggregatec	55 DSL	5183.38	0.027	0.031	0.104	2.722	0.008	830.5	0.0012	0.025	0.024	0.1305
Los Angeles (SC)	2030 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2031 HHDT	Aggregatec	55 DSL	999251	0.014	0.016	0.097	1.193	0.009	981.2	0.0006	0.024	0.023	0.1542
Los Angeles (SC)	2031 LDA	Aggregatec	55 DSL	93116.8	0.003	0.004	0.079	0.012	0.001	146.5	0.0001	0.001	0.001	0.023
Los Angeles (SC)	2031 LDT1	Aggregatec	55 DSL	170.345	0.027	0.031	0.289	0.341	0.003	313.9	0.0013	0.016	0.016	0.0493
Los Angeles (SC)	2031 LDT2	Aggregatec	55 DSL	28969	0.007	0.008	0.071	0.021	0.002	197.1	0.0003	0.003	0.003	0.031
Los Angeles (SC)	2031 LHDT1	Aggregatec	55 DSL	415778	0.026	0.029	0.129	0.314	0.004	401.8	0.0012	0.006	0.006	0.0632
Los Angeles (SC)	2031 LHDT2	Aggregatec	55 DSL	162406	0.027	0.03	0.135	0.348	0.004	438.1	0.0012	0.011	0.01	0.0689
Los Angeles (SC)	2031 MDV	Aggregatec	55 DSL	59333.7	0.003	0.004	0.085	0.012	0.002	258.6	0.0002	0.001	0.001	0.0407
Los Angeles (SC)	2031 MH	Aggregatec	55 DSL	8253.38	0.028	0.031	0.11	1.943	0.007	769.2	0.0013	0.038	0.036	0.1209
Los Angeles (SC)	2031 MHDT	Aggregatec	55 DSL	515506	0.006	0.007	0.036	0.586	0.006	686.3	0.0003	0.01	0.01	0.1079
Los Angeles (SC)	2031 OBUS	Aggregatec	55 DSL	30003.8	0.009	0.01	0.057	0.809	0.008	859.4	0.0004	0.015	0.014	0.1351
Los Angeles (SC)	2031 SBUS	Aggregatec	55 DSL	5259.71	0.024	0.028	0.097	2.374	0.008	814.8	0.0011	0.024	0.023	0.1281
Los Angeles (SC)	2031 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2032 HHDT	Aggregatec	55 DSL	1015468	0.014	0.016	0.097	1.167	0.009	961.7	0.0006	0.024	0.023	0.1512
Los Angeles (SC)	2032 LDA	Aggregatec	55 DSL	94102.1	0.003	0.003	0.077	0.01	0.001	144.7	0.0001	0.001	0.001	0.0228
Los Angeles (SC)	2032 LDT1	Aggregatec	55 DSL	166.657	0.022	0.025	0.244	0.293	0.003	307.1	0.001	0.013	0.013	0.0483
Los Angeles (SC)	2032 LDT2	Aggregatec	55 DSL	29418.5	0.007	0.008	0.072	0.021	0.002	194.4	0.0003	0.003	0.003	0.0306
Los Angeles (SC)	2032 LHDT1	Aggregatec	55 DSL	424102	0.025	0.028	0.124	0.271	0.004	398.1	0.0012	0.006	0.006	0.0626
Los Angeles (SC)	2032 LHDT2	Aggregatec	55 DSL	165639	0.026	0.029	0.13	0.308	0.004	433.9	0.0012	0.01	0.01	0.0682
Los Angeles (SC)	2032 MDV	Aggregatec	55 DSL	60407.7	0.003	0.004	0.084	0.011	0.002	255.4	0.0001	0.001	0.001	0.0401
Los Angeles (SC)	2032 MH	Aggregatec	55 DSL	8379.59	0.027	0.031	0.105	1.888	0.007	762.1	0.0012	0.035	0.034	0.1198
Los Angeles (SC)	2032 MHDT	Aggregatec	55 DSL	521008	0.006	0.007	0.036	0.581	0.006	678.3	0.0003	0.01	0.01	0.1066
Los Angeles (SC)	2032 OBUS	Aggregatec	55 DSL	30426.4	0.009	0.01	0.057	0.804	0.008	850.9	0.0004	0.015	0.014	0.1338
Los Angeles (SC)	2032 SBUS	Aggregatec	55 DSL	5334.65	0.022	0.025	0.09	2.06	0.008	799.6	0.001	0.022	0.021	0.1257
Los Angeles (SC)	2032 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2033 HHDT	Aggregatec	55 DSL	1031727	0.014	0.016	0.096	1.144	0.009	943.5	0.0006	0.024	0.023	0.1483
Los Angeles (SC)	2033 LDA	Aggregatec	55 DSL	94980.1	0.003	0.003	0.076	0.009	0.001	143.3	0.0001	0.001	0.001	0.0225
Los Angeles (SC)	2033 LDT1	Aggregatec	55 DSL	164.92	0.02	0.023	0.22	0.258	0.003	301.2	0.0009	0.011	0.011	0.0473
Los Angeles (SC)	2033 LDT2	Aggregatec	55 DSL	29799.2	0.007	0.008	0.072	0.021	0.002	192	0.0003	0.003	0.003	0.0302
Los Angeles (SC)	2033 LHDT1	Aggregatec	55 DSL	431900	0.024	0.028	0.12	0.235	0.004	394.8	0.0011	0.006	0.006	0.0621
Los Angeles (SC)	2033 LHDT2	Aggregatec	55 DSL	168669	0.025	0.029	0.126	0.275	0.004	430.3	0.0012	0.01	0.01	0.0676
Los Angeles (SC)	2033 MDV	Aggregatec	55 DSL	61366.7	0.003	0.003	0.084	0.01	0.002	252.5	0.0001	0.001	0.001	0.0397
Los Angeles (SC)	2033 MH	Aggregatec	55 DSL	8498.77	0.026	0.03	0.101	1.837	0.007	755.6	0.0012	0.033	0.032	0.1188

Los Angeles (SC)	2033 MHDT	Aggregatec	55 DSL	526429	0.006	0.007	0.036	0.577	0.006	671.1	0.0003	0.01	0.01	0.1055
Los Angeles (SC)	2033 OBUS	Aggregatec	55 DSL	30855.3	0.009	0.01	0.057	0.797	0.008	842.9	0.0004	0.015	0.014	0.1325
Los Angeles (SC)	2033 SBUS	Aggregatec	55 DSL	5406.54	0.02	0.023	0.083	1.778	0.007	785	0.0009	0.021	0.02	0.1234
Los Angeles (SC)	2033 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2034 HHDT	Aggregatec	55 DSL	1047990	0.014	0.016	0.096	1.121	0.009	926.1	0.0006	0.024	0.022	0.1456
Los Angeles (SC)	2034 LDA	Aggregatec	55 DSL	95735.2	0.003	0.003	0.075	0.009	0.001	142	0.0001	1E-03	9E-04	0.0223
Los Angeles (SC)	2034 LDT1	Aggregatec	55 DSL	163.566	0.018	0.02	0.199	0.228	0.003	295.8	0.0008	0.01	0.01	0.0465
Los Angeles (SC)	2034 LDT2	Aggregatec	55 DSL	30121.9	0.007	0.008	0.073	0.021	0.002	189.9	0.0003	0.003	0.003	0.0299
Los Angeles (SC)	2034 LHDT1	Aggregatec	55 DSL	439222	0.024	0.027	0.116	0.205	0.004	391.9	0.0011	0.006	0.005	0.0616
Los Angeles (SC)	2034 LHDT2	Aggregatec	55 DSL	171518	0.025	0.028	0.122	0.247	0.004	427	0.0011	0.01	0.01	0.0671
Los Angeles (SC)	2034 MDV	Aggregatec	55 DSL	62225.8	0.003	0.003	0.083	0.01	0.002	250	0.0001	0.001	0.001	0.0393
Los Angeles (SC)	2034 MH	Aggregatec	55 DSL	8610.59	0.026	0.029	0.096	1.79	0.007	749.8	0.0012	0.031	0.03	0.1179
Los Angeles (SC)	2034 MHDT	Aggregatec	55 DSL	531713	0.006	0.007	0.036	0.572	0.006	664.5	0.0003	0.01	0.01	0.1044
Los Angeles (SC)	2034 OBUS	Aggregatec	55 DSL	31253.1	0.008	0.01	0.057	0.788	0.008	835	0.0004	0.015	0.014	0.1313
Los Angeles (SC)	2034 SBUS	Aggregatec	55 DSL	5475.3	0.018	0.02	0.076	1.53	0.007	770.9	0.0008	0.019	0.018	0.1212
Los Angeles (SC)	2034 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2035 HHDT	Aggregatec	55 DSL	1064290	0.014	0.015	0.095	1.102	0.009	910.1	0.0006	0.023	0.022	0.1431
Los Angeles (SC)	2035 LDA	Aggregatec	55 DSL	96376.3	0.003	0.003	0.074	0.008	0.001	140.9	0.0001	9E-04	9E-04	0.0221
Los Angeles (SC)	2035 LDT1	Aggregatec	55 DSL	161.565	0.014	0.016	0.169	0.195	0.003	290.7	0.0007	0.008	0.008	0.0457
Los Angeles (SC)	2035 LDT2	Aggregatec	55 DSL	30398.3	0.007	0.008	0.073	0.021	0.002	188.1	0.0003	0.003	0.003	0.0296
Los Angeles (SC)	2035 LHDT1	Aggregatec	55 DSL	445935	0.023	0.026	0.113	0.178	0.004	389.2	0.0011	0.005	0.005	0.0612
Los Angeles (SC)	2035 LHDT2	Aggregatec	55 DSL	174114	0.024	0.027	0.119	0.221	0.004	424	0.0011	0.01	0.01	0.0666
Los Angeles (SC)	2035 MDV	Aggregatec	55 DSL	62978.6	0.003	0.003	0.083	0.009	0.002	247.7	0.0001	0.001	0.001	0.0389
Los Angeles (SC)	2035 MH	Aggregatec	55 DSL	8716.63	0.025	0.028	0.092	1.748	0.007	744.6	0.0012	0.029	0.028	0.117
Los Angeles (SC)	2035 MHDT	Aggregatec	55 DSL	536938	0.006	0.007	0.036	0.567	0.006	658.5	0.0003	0.01	0.01	0.1035
Los Angeles (SC)	2035 OBUS	Aggregatec	55 DSL	31677.8	0.008	0.01	0.057	0.778	0.008	827.3	0.0004	0.015	0.014	0.13
Los Angeles (SC)	2035 SBUS	Aggregatec	55 DSL	5541.8	0.016	0.018	0.068	1.321	0.007	757.6	0.0007	0.018	0.017	0.1191
Los Angeles (SC)	2035 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2036 HHDT	Aggregatec	55 DSL	1083539	0.014	0.015	0.095	1.087	0.008	896.3	0.0006	0.023	0.022	0.1409
Los Angeles (SC)	2036 LDA	Aggregatec	55 DSL	96925.9	0.002	0.003	0.073	0.008	0.001	139.9	0.0001	8E-04	8E-04	0.022
Los Angeles (SC)	2036 LDT1	Aggregatec	55 DSL	160.63	0.013	0.014	0.151	0.171	0.003	286.3	0.0006	0.007	0.007	0.045
Los Angeles (SC)	2036 LDT2	Aggregatec	55 DSL	30641.6	0.007	0.008	0.073	0.021	0.002	186.4	0.0003	0.003	0.003	0.0293
Los Angeles (SC)	2036 LHDT1	Aggregatec	55 DSL	452153	0.023	0.026	0.11	0.155	0.004	386.9	0.0011	0.005	0.005	0.0608
Los Angeles (SC)	2036 LHDT2	Aggregatec	55 DSL	176600	0.024	0.027	0.117	0.2	0.004	421.4	0.0011	0.01	0.01	0.0662

Los Angeles (SC)	2036 MDV	Aggregatec	55 DSL	63652.3	0.003	0.003	0.082	0.009	0.002	245.7	0.0001	0.001	1E-03	0.0386
Los Angeles (SC)	2036 MH	Aggregatec	55 DSL	8819.28	0.024	0.028	0.089	1.709	0.007	739.9	0.0011	0.028	0.026	0.1163
Los Angeles (SC)	2036 MHDT	Aggregatec	55 DSL	543005	0.006	0.007	0.036	0.562	0.006	653.6	0.0003	0.01	0.01	0.1027
Los Angeles (SC)	2036 OBUS	Aggregatec	55 DSL	32088.4	0.008	0.01	0.056	0.768	0.008	820.3	0.0004	0.015	0.014	0.1289
Los Angeles (SC)	2036 SBUS	Aggregatec	55 DSL	5607.57	0.014	0.016	0.061	1.15	0.007	745.1	0.0006	0.016	0.016	0.1171
Los Angeles (SC)	2036 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2037 HHDT	Aggregatec	55 DSL	1102841	0.014	0.015	0.095	1.075	0.008	883.6	0.0006	0.023	0.022	0.1389
Los Angeles (SC)	2037 LDA	Aggregatec	55 DSL	97390.1	0.002	0.003	0.073	0.007	0.001	139.1	0.0001	8E-04	7E-04	0.0219
Los Angeles (SC)	2037 LDT1	Aggregatec	55 DSL	160.357	0.012	0.014	0.142	0.153	0.003	282.6	0.0006	0.006	0.006	0.0444
Los Angeles (SC)	2037 LDT2	Aggregatec	55 DSL	30849.7	0.007	0.008	0.073	0.021	0.002	185.1	0.0003	0.003	0.003	0.0291
Los Angeles (SC)	2037 LHDT1	Aggregatec	55 DSL	457732	0.022	0.025	0.108	0.134	0.004	384.7	0.001	0.005	0.005	0.0605
Los Angeles (SC)	2037 LHDT2	Aggregatec	55 DSL	178829	0.023	0.027	0.115	0.18	0.004	419	0.0011	0.01	0.01	0.0659
Los Angeles (SC)	2037 MDV	Aggregatec	55 DSL	64245.9	0.003	0.003	0.082	0.008	0.002	243.9	0.0001	1E-03	9E-04	0.0383
Los Angeles (SC)	2037 MH	Aggregatec	55 DSL	8916.37	0.024	0.027	0.086	1.671	0.007	735.6	0.0011	0.026	0.025	0.1156
Los Angeles (SC)	2037 MHDT	Aggregatec	55 DSL	548972	0.006	0.007	0.036	0.558	0.006	648.5	0.0003	0.01	0.01	0.1019
Los Angeles (SC)	2037 OBUS	Aggregatec	55 DSL	32505.9	0.008	0.01	0.056	0.759	0.008	813.9	0.0004	0.014	0.014	0.1279
Los Angeles (SC)	2037 SBUS	Aggregatec	55 DSL	5675.85	0.012	0.014	0.055	1.011	0.007	733.6	0.0006	0.015	0.014	0.1153
Los Angeles (SC)	2037 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2038 HHDT	Aggregatec	55 DSL	1122180	0.013	0.015	0.095	1.066	0.008	872.7	0.0006	0.023	0.022	0.1372
Los Angeles (SC)	2038 LDA	Aggregatec	55 DSL	97777.3	0.002	0.003	0.072	0.007	0.001	138.4	0.0001	7E-04	7E-04	0.0217
Los Angeles (SC)	2038 LDT1	Aggregatec	55 DSL	159.956	0.011	0.013	0.133	0.135	0.003	278.9	0.0005	0.006	0.006	0.0438
Los Angeles (SC)	2038 LDT2	Aggregatec	55 DSL	31028	0.007	0.008	0.074	0.021	0.002	183.9	0.0003	0.003	0.003	0.0289
Los Angeles (SC)	2038 LHDT1	Aggregatec	55 DSL	462782	0.022	0.025	0.106	0.116	0.004	382.7	0.001	0.005	0.005	0.0602
Los Angeles (SC)	2038 LHDT2	Aggregatec	55 DSL	180807	0.023	0.026	0.113	0.163	0.004	416.8	0.0011	0.01	0.01	0.0655
Los Angeles (SC)	2038 MDV	Aggregatec	55 DSL	64767.6	0.003	0.003	0.082	0.008	0.002	242.4	0.0001	9E-04	9E-04	0.0381
Los Angeles (SC)	2038 MH	Aggregatec	55 DSL	9006.46	0.024	0.027	0.082	1.637	0.007	731.7	0.0011	0.024	0.023	0.115
Los Angeles (SC)	2038 MHDT	Aggregatec	55 DSL	554818	0.006	0.006	0.036	0.554	0.006	644	0.0003	0.01	0.01	0.1012
Los Angeles (SC)	2038 OBUS	Aggregatec	55 DSL	32935.3	0.008	0.01	0.056	0.753	0.008	808.3	0.0004	0.014	0.014	0.1271
Los Angeles (SC)	2038 SBUS	Aggregatec	55 DSL	5743.75	0.011	0.013	0.05	0.9	0.007	722.9	0.0005	0.014	0.013	0.1136
Los Angeles (SC)	2038 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2039 HHDT	Aggregatec	55 DSL	1141558	0.013	0.015	0.095	1.059	0.008	863.3	0.0006	0.023	0.022	0.1357
Los Angeles (SC)	2039 LDA	Aggregatec	55 DSL	98104	0.002	0.003	0.072	0.007	0.001	137.8	0.0001	7E-04	7E-04	0.0217
Los Angeles (SC)	2039 LDT1	Aggregatec	55 DSL	159.792	0.011	0.012	0.126	0.12	0.003	275.9	0.0005	0.006	0.005	0.0434
Los Angeles (SC)	2039 LDT2	Aggregatec	55 DSL	31183.9	0.007	0.008	0.074	0.021	0.002	182.9	0.0003	0.003	0.003	0.0287

Los Angeles (SC)	2039 LHDT1	Aggregatec	55 DSL	467342	0.022	0.025	0.104	0.101	0.004	380.9	0.001	0.005	0.005	0.0599
Los Angeles (SC)	2039 LHDT2	Aggregatec	55 DSL	182551	0.023	0.026	0.111	0.146	0.004	414.8	0.0011	0.01	0.01	0.0652
Los Angeles (SC)	2039 MDV	Aggregatec	55 DSL	65225.5	0.003	0.003	0.081	0.008	0.002	241	0.0001	9E-04	8E-04	0.0379
Los Angeles (SC)	2039 MH	Aggregatec	55 DSL	9091.99	0.023	0.026	0.079	1.606	0.007	728.1	0.0011	0.023	0.022	0.1144
Los Angeles (SC)	2039 MHDT	Aggregatec	55 DSL	560548	0.006	0.006	0.036	0.551	0.006	639.9	0.0003	0.01	0.01	0.1006
Los Angeles (SC)	2039 OBUS	Aggregatec	55 DSL	33339.7	0.008	0.009	0.056	0.748	0.008	803.3	0.0004	0.014	0.014	0.1263
Los Angeles (SC)	2039 SBUS	Aggregatec	55 DSL	5804.37	0.01	0.011	0.045	0.811	0.007	712.8	0.0005	0.013	0.012	0.112
Los Angeles (SC)	2039 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2040 HHDT	Aggregatec	55 DSL	1160957	0.013	0.015	0.095	1.053	0.008	855.5	0.0006	0.023	0.022	0.1345
Los Angeles (SC)	2040 LDA	Aggregatec	55 DSL	98381.2	0.002	0.003	0.072	0.007	0.001	137.3	0.0001	7E-04	6E-04	0.0216
Los Angeles (SC)	2040 LDT1	Aggregatec	55 DSL	159.716	0.01	0.012	0.12	0.107	0.003	273.2	0.0005	0.005	0.005	0.0429
Los Angeles (SC)	2040 LDT2	Aggregatec	55 DSL	31323.5	0.007	0.008	0.074	0.021	0.002	182.1	0.0003	0.003	0.003	0.0286
Los Angeles (SC)	2040 LHDT1	Aggregatec	55 DSL	471464	0.022	0.025	0.103	0.089	0.004	379.3	0.001	0.005	0.005	0.0596
Los Angeles (SC)	2040 LHDT2	Aggregatec	55 DSL	184211	0.023	0.026	0.11	0.134	0.004	413.1	0.001	0.01	0.01	0.0649
Los Angeles (SC)	2040 MDV	Aggregatec	55 DSL	65627.3	0.003	0.003	0.081	0.007	0.002	239.8	0.0001	8E-04	8E-04	0.0377
Los Angeles (SC)	2040 MH	Aggregatec	55 DSL	9173.12	0.023	0.026	0.077	1.579	0.007	724.8	0.0011	0.022	0.021	0.1139
Los Angeles (SC)	2040 MHDT	Aggregatec	55 DSL	566191	0.006	0.006	0.036	0.548	0.006	636.2	0.0003	0.01	0.009	0.1
Los Angeles (SC)	2040 OBUS	Aggregatec	55 DSL	33743.8	0.008	0.009	0.056	0.745	0.008	799.2	0.0004	0.014	0.014	0.1256
Los Angeles (SC)	2040 SBUS	Aggregatec	55 DSL	5853.82	0.009	0.01	0.042	0.739	0.007	703.1	0.0004	0.012	0.011	0.1105
Los Angeles (SC)	2040 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2041 HHDT	Aggregatec	55 DSL	1176943	0.013	0.015	0.095	1.049	0.008	849.1	0.0006	0.023	0.022	0.1335
Los Angeles (SC)	2041 LDA	Aggregatec	55 DSL	98606.7	0.002	0.003	0.071	0.006	0.001	136.9	0.0001	6E-04	6E-04	0.0215
Los Angeles (SC)	2041 LDT1	Aggregatec	55 DSL	159.037	0.01	0.011	0.111	0.089	0.003	270.1	0.0005	0.005	0.005	0.0425
Los Angeles (SC)	2041 LDT2	Aggregatec	55 DSL	31445	0.007	0.008	0.074	0.021	0.002	181.4	0.0003	0.003	0.003	0.0285
Los Angeles (SC)	2041 LHDT1	Aggregatec	55 DSL	475107	0.021	0.024	0.102	0.078	0.004	377.9	0.001	0.005	0.005	0.0594
Los Angeles (SC)	2041 LHDT2	Aggregatec	55 DSL	185680	0.022	0.026	0.109	0.123	0.004	411.5	0.001	0.01	0.01	0.0647
Los Angeles (SC)	2041 MDV	Aggregatec	55 DSL	65972.5	0.003	0.003	0.081	0.007	0.002	238.8	0.0001	8E-04	8E-04	0.0375
Los Angeles (SC)	2041 MH	Aggregatec	55 DSL	9248.65	0.022	0.026	0.074	1.555	0.007	721.7	0.001	0.021	0.02	0.1134
Los Angeles (SC)	2041 MHDT	Aggregatec	55 DSL	571964	0.006	0.006	0.036	0.546	0.006	632.8	0.0003	0.01	0.009	0.0995
Los Angeles (SC)	2041 OBUS	Aggregatec	55 DSL	34144.8	0.008	0.009	0.056	0.744	0.008	795.7	0.0004	0.014	0.014	0.1251
Los Angeles (SC)	2041 SBUS	Aggregatec	55 DSL	5892.91	0.008	0.009	0.04	0.681	0.007	693.9	0.0004	0.011	0.011	0.1091
Los Angeles (SC)	2041 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2042 HHDT	Aggregatec	55 DSL	1195866	0.013	0.015	0.095	1.046	0.008	843.8	0.0006	0.023	0.022	0.1326
Los Angeles (SC)	2042 LDA	Aggregatec	55 DSL	98813.4	0.002	0.002	0.071	0.006	0.001	136.6	0.0001	6E-04	6E-04	0.0215

Los Angeles (SC)	2045 HHDT	Aggregatec	55 DSL	1252685	0.013	0.015	0.095	1.038	0.008	832.7	0.0006	0.023	0.022	0.1309
Los Angeles (SC)	2045 LDA	Aggregatec	55 DSL	99259	0.002	0.002	0.071	0.006	0.001	136	1E-04	6E-04	6E-04	0.0214
Los Angeles (SC)	2045 LDT1	Aggregatec	55 DSL	158.527	0.008	0.009	0.092	0.05	0.002	262.4	0.0004	0.004	0.004	0.0412
Los Angeles (SC)	2045 LDT2	Aggregatec	55 DSL	31829	0.007	0.008	0.075	0.021	0.002	179.9	0.0003	0.003	0.003	0.0283
Los Angeles (SC)	2045 LHDT1	Aggregatec	55 DSL	486228	0.021	0.024	0.099	0.05	0.004	373.5	0.001	0.004	0.004	0.0587
Los Angeles (SC)	2045 LHDT2	Aggregatec	55 DSL	190412	0.022	0.025	0.107	0.09	0.004	406.8	0.001	0.011	0.01	0.0639
Los Angeles (SC)	2045 MDV	Aggregatec	55 DSL	66998.2	0.002	0.003	0.08	0.007	0.002	236	0.0001	7E-04	7E-04	0.0371
Los Angeles (SC)	2045 MH	Aggregatec	55 DSL	9504.39	0.021	0.024	0.066	1.479	0.007	711.6	0.001	0.016	0.016	0.1118
Los Angeles (SC)	2045 MHDT	Aggregatec	55 DSL	594444	0.006	0.006	0.036	0.539	0.006	622.5	0.0003	0.01	0.009	0.0978
Los Angeles (SC)	2045 OBUS	Aggregatec	55 DSL	35708.6	0.008	0.01	0.056	0.75	0.007	787.4	0.0004	0.015	0.014	0.1238
Los Angeles (SC)	2045 SBUS	Aggregatec	55 DSL	5967.31	0.006	0.007	0.036	0.55	0.006	662.5	0.0003	0.01	0.01	0.1041
Los Angeles (SC)	2045 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2046 HHDT	Aggregatec	55 DSL	1272891	0.013	0.015	0.095	1.035	0.008	830	0.0006	0.023	0.022	0.1305
Los Angeles (SC)	2046 LDA	Aggregatec	55 DSL	99359.5	0.002	0.002	0.071	0.006	0.001	135.9	1E-04	6E-04	5E-04	0.0214
Los Angeles (SC)	2046 LDT1	Aggregatec	55 DSL	158.613	0.008	0.009	0.09	0.046	0.002	261.3	0.0004	0.004	0.004	0.0411
Los Angeles (SC)	2046 LDT2	Aggregatec	55 DSL	31899.6	0.007	0.008	0.075	0.021	0.002	179.6	0.0003	0.003	0.003	0.0282
Los Angeles (SC)	2046 LHDT1	Aggregatec	55 DSL	488292	0.021	0.024	0.099	0.045	0.004	372.7	0.001	0.004	0.004	0.0586
Los Angeles (SC)	2046 LHDT2	Aggregatec	55 DSL	191306	0.022	0.025	0.106	0.081	0.004	405.9	0.001	0.011	0.01	0.0638
Los Angeles (SC)	2046 MDV	Aggregatec	55 DSL	67175.9	0.002	0.003	0.08	0.007	0.002	235.6	0.0001	7E-04	6E-04	0.037
Los Angeles (SC)	2046 MH	Aggregatec	55 DSL	9557.78	0.021	0.024	0.064	1.467	0.007	709.5	0.001	0.016	0.015	0.1115
Los Angeles (SC)	2046 MHDT	Aggregatec	55 DSL	601029	0.006	0.006	0.036	0.538	0.006	620.5	0.0003	0.01	0.009	0.0975
Los Angeles (SC)	2046 OBUS	Aggregatec	55 DSL	36102.1	0.008	0.01	0.056	0.75	0.007	786	0.0004	0.015	0.014	0.1235
Los Angeles (SC)	2046 SBUS	Aggregatec	55 DSL	5990.38	0.006	0.007	0.035	0.538	0.006	656.9	0.0003	0.01	0.009	0.1032
Los Angeles (SC)	2046 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2047 HHDT	Aggregatec	55 DSL	1293119	0.013	0.015	0.095	1.032	0.008	827.7	0.0006	0.023	0.022	0.1301
Los Angeles (SC)	2047 LDA	Aggregatec	55 DSL	99454.5	0.002	0.002	0.071	0.006	0.001	135.8	1E-04	6E-04	5E-04	0.0213
Los Angeles (SC)	2047 LDT1	Aggregatec	55 DSL	157.998	0.008	0.009	0.084	0.033	0.002	259.3	0.0004	0.004	0.004	0.0408
Los Angeles (SC)	2047 LDT2	Aggregatec	55 DSL	31965.8	0.007	0.008	0.075	0.021	0.002	179.5	0.0003	0.003	0.003	0.0282
Los Angeles (SC)	2047 LHDT1	Aggregatec	55 DSL	490190	0.021	0.024	0.098	0.042	0.004	372	0.001	0.004	0.004	0.0585
Los Angeles (SC)	2047 LHDT2	Aggregatec	55 DSL	192189	0.022	0.025	0.105	0.075	0.004	405.2	0.001	0.011	0.01	0.0637
Los Angeles (SC)	2047 MDV	Aggregatec	55 DSL	67340.9	0.002	0.003	0.08	0.007	0.002	235.2	0.0001	7E-04	6E-04	0.037
Los Angeles (SC)	2047 MH	Aggregatec	55 DSL	9610.08	0.021	0.024	0.063	1.456	0.007	707.6	0.001	0.015	0.014	0.1112
Los Angeles (SC)	2047 MHDT	Aggregatec	55 DSL	607574	0.006	0.006	0.036	0.537	0.006	618.7	0.0003	0.01	0.009	0.0973
Los Angeles (SC)	2047 OBUS	Aggregatec	55 DSL	36504.9	0.008	0.01	0.056	0.75	0.007	784.7	0.0004	0.015	0.014	0.1233

Los Angeles (SC)	2047 SBUS	Aggregatec	55 DSL	6018.73	0.006	0.006	0.035	0.532	0.006	652.1	0.0003	0.01	0.009	0.1025
Los Angeles (SC)	2047 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2048 HHDT	Aggregatec	55 DSL	1313378	0.013	0.015	0.095	1.03	0.008	825.6	0.0006	0.023	0.022	0.1298
Los Angeles (SC)	2048 LDA	Aggregatec	55 DSL	99528.8	0.002	0.002	0.071	0.006	0.001	135.7	1E-04	6E-04	5E-04	0.0213
Los Angeles (SC)	2048 LDT1	Aggregatec	55 DSL	157.97	0.008	0.009	0.082	0.028	0.002	258.3	0.0004	0.004	0.004	0.0406
Los Angeles (SC)	2048 LDT2	Aggregatec	55 DSL	32022.8	0.007	0.008	0.075	0.021	0.002	179.3	0.0003	0.003	0.003	0.0282
Los Angeles (SC)	2048 LHDT1	Aggregatec	55 DSL	491770	0.021	0.024	0.098	0.039	0.004	371.3	0.001	0.004	0.004	0.0584
Los Angeles (SC)	2048 LHDT2	Aggregatec	55 DSL	192915	0.021	0.024	0.104	0.068	0.004	404.5	0.001	0.011	0.01	0.0636
Los Angeles (SC)	2048 MDV	Aggregatec	55 DSL	67482.3	0.002	0.003	0.08	0.007	0.002	234.9	0.0001	7E-04	6E-04	0.0369
Los Angeles (SC)	2048 MH	Aggregatec	55 DSL	9657.3	0.021	0.024	0.062	1.45	0.007	705.8	0.001	0.014	0.013	0.1109
Los Angeles (SC)	2048 MHDT	Aggregatec	55 DSL	614095	0.006	0.006	0.036	0.536	0.006	617.2	0.0003	0.01	0.009	0.097
Los Angeles (SC)	2048 OBUS	Aggregatec	55 DSL	36887.3	0.008	0.01	0.056	0.749	0.007	783.2	0.0004	0.015	0.014	0.1231
Los Angeles (SC)	2048 SBUS	Aggregatec	55 DSL	6047.75	0.006	0.006	0.035	0.53	0.006	648.1	0.0003	0.01	0.009	0.1019
Los Angeles (SC)	2048 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2049 HHDT	Aggregatec	55 DSL	1333667	0.013	0.015	0.095	1.029	0.008	824	0.0006	0.023	0.022	0.1295
Los Angeles (SC)	2049 LDA	Aggregatec	55 DSL	99584	0.002	0.002	0.071	0.006	0.001	135.7	1E-04	6E-04	5E-04	0.0213
Los Angeles (SC)	2049 LDT1	Aggregatec	55 DSL	158.188	0.008	0.009	0.081	0.027	0.002	257.7	0.0003	0.004	0.003	0.0405
Los Angeles (SC)	2049 LDT2	Aggregatec	55 DSL	32071	0.007	0.008	0.075	0.021	0.002	179.2	0.0003	0.003	0.003	0.0282
Los Angeles (SC)	2049 LHDT1	Aggregatec	55 DSL	493092	0.021	0.024	0.098	0.036	0.004	370.8	0.001	0.004	0.004	0.0583
Los Angeles (SC)	2049 LHDT2	Aggregatec	55 DSL	193542	0.021	0.024	0.104	0.062	0.004	403.9	0.001	0.011	0.01	0.0635
Los Angeles (SC)	2049 MDV	Aggregatec	55 DSL	67603.5	0.002	0.003	0.08	0.006	0.002	234.7	0.0001	6E-04	6E-04	0.0369
Los Angeles (SC)	2049 MH	Aggregatec	55 DSL	9699.78	0.021	0.024	0.061	1.445	0.007	704.2	0.001	0.013	0.013	0.1107
Los Angeles (SC)	2049 MHDT	Aggregatec	55 DSL	620590	0.006	0.006	0.036	0.536	0.006	615.8	0.0003	0.01	0.009	0.0968
Los Angeles (SC)	2049 OBUS	Aggregatec	55 DSL	37265.6	0.008	0.01	0.056	0.746	0.007	781.7	0.0004	0.015	0.014	0.1229
Los Angeles (SC)	2049 SBUS	Aggregatec	55 DSL	6072.88	0.006	0.006	0.035	0.53	0.006	644.8	0.0003	0.01	0.009	0.1014
Los Angeles (SC)	2049 UBUS	Aggregatec	55 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2050 HHDT	Aggregatec	55 DSL	1353961	0.013	0.015	0.095	1.029	0.008	825.4	0.0006	0.023	0.022	0.1297
Los Angeles (SC)	2050 LDA	Aggregatec	55 DSL	99627.2	0.002	0.002	0.071	0.006	0.001	135.6	1E-04	6E-04	5E-04	0.0213
Los Angeles (SC)	2050 LDT1	Aggregatec	55 DSL	158.434	0.008	0.009	0.081	0.027	0.002	257.3	0.0003	0.004	0.003	0.0404
Los Angeles (SC)	2050 LDT2	Aggregatec	55 DSL	32113.3	0.007	0.008	0.075	0.021	0.002	179.1	0.0003	0.003	0.003	0.0281
Los Angeles (SC)	2050 LHDT1	Aggregatec	55 DSL	494227	0.021	0.024	0.098	0.034	0.004	370.3	0.001	0.004	0.004	0.0582
Los Angeles (SC)	2050 LHDT2	Aggregatec	55 DSL	193989	0.021	0.024	0.102	0.052	0.004	403.3	0.001	0.011	0.01	0.0634
Los Angeles (SC)	2050 MDV	Aggregatec	55 DSL	67710	0.002	0.003	0.08	0.006	0.002	234.5	0.0001	6E-04	6E-04	0.0369
Los Angeles (SC)	2050 MH	Aggregatec	55 DSL	9739.62	0.021	0.024	0.06	1.44	0.007	702.7	0.001	0.013	0.012	0.1105

Duarte Station Specific Plan Draft EIR
EMFAC2017 WebDataBase Output File
Los Angeles South Coast, 2021 to 2050 Diesel Vehcile Emission Factors (65MPH)

EMFAC2017 (v1.0.2) Emission Rates

Region Type: Sub-Area

Region: Los Angeles (SC)

Calendar Year: 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039,
 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, g/mile for RUNEX, PMBW and PMTW

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	ROG_R		TOG_R		CO_R		NOx_R		SOx		CH4_		PM2_		N2O_	
							UNEX	UNEX	UNEX	UNEX	UNEX	UNEX	UNEX	UNEX	UNEX	UNEX	UNEX	UNEX	UNEX	UNEX	UNEX	UNEX
Los Angeles (SC)	2021	HHDT	Aggregated	65	DSL	776080	0.0698	0.079	0.32	3.31	0	1380.9	0	0.0716	0.068	0.217						
Los Angeles (SC)	2021	LDA	Aggregated	65	DSL	46136.1	0.0147	0.017	0.17	0.098	0	222.6	0	0.0102	0.01	0.035						
Los Angeles (SC)	2021	LDT1	Aggregated	65	DSL	255.807	0.1885	0.215	1.65	1.373	0	472.81	0.01	0.1437	0.138	0.074						
Los Angeles (SC)	2021	LDT2	Aggregated	65	DSL	12452	0.0098	0.011	0.08	0.041	0	301.11	0	0.0054	0.005	0.047						
Los Angeles (SC)	2021	LHDT1	Aggregated	65	DSL	427415	0.0559	0.064	0.4	1.625	0	476.38	0	0.0137	0.013	0.075						
Los Angeles (SC)	2021	LHDT2	Aggregated	65	DSL	166033	0.0544	0.062	0.38	1.546	0	510.31	0	0.0148	0.014	0.08						
Los Angeles (SC)	2021	MDV	Aggregated	65	DSL	25429.3	0.0075	0.009	0.11	0.048	0	396	0	0.0047	0.005	0.062						
Los Angeles (SC)	2021	MH	Aggregated	65	DSL	6378.18	0.0482	0.055	0.21	3.104	0	894.92	0	0.1087	0.104	0.141						
Los Angeles (SC)	2021	MHDT	Aggregated	65	DSL	435876	0.0834	0.095	0.36	2.386	0	959.99	0	0.0897	0.086	0.151						
Los Angeles (SC)	2021	OBUS	Aggregated	65	DSL	27715.1	0.1018	0.116	0.4	3.077	0	1225.8	0	0.0871	0.083	0.193						
Los Angeles (SC)	2021	SBUS	Aggregated	65	DSL	0	0	0	0	0	0	0	0	0	0	0						
Los Angeles (SC)	2021	UBUS	Aggregated	65	DSL	18.7008	0.0005	0.035	0.04	0.265	0	1322.3	0.03	0.0212	0.02	0.208						
Los Angeles (SC)	2022	HHDT	Aggregated	65	DSL	787758	0.0377	0.043	0.18	2.694	0	1346.7	0	0.0425	0.041	0.212						
Los Angeles (SC)	2022	LDA	Aggregated	65	DSL	48532.3	0.0124	0.014	0.15	0.08	0	216.82	0	0.0086	0.008	0.034						
Los Angeles (SC)	2022	LDT1	Aggregated	65	DSL	235.531	0.1792	0.204	1.57	1.305	0	467.41	0.01	0.1366	0.131	0.073						
Los Angeles (SC)	2022	LDT2	Aggregated	65	DSL	13450.5	0.0093	0.011	0.08	0.037	0	292.86	0	0.005	0.005	0.046						
Los Angeles (SC)	2022	LHDT1	Aggregated	65	DSL	454528	0.0502	0.057	0.35	1.371	0	469.22	0	0.0123	0.012	0.074						

Los Angeles (SC)	2022 LHDT2	Aggregated	65 DSL	176750	0.0491	0.056	0.34	1.311	0	502.65	0	0.0138	0.013	0.079
Los Angeles (SC)	2022 MDV	Aggregated	65 DSL	27424.6	0.0067	0.008	0.11	0.04	0	384.67	0	0.0042	0.004	0.06
Los Angeles (SC)	2022 MH	Aggregated	65 DSL	6677.85	0.045	0.051	0.2	2.898	0	882.5	0	0.0981	0.094	0.139
Los Angeles (SC)	2022 MHDT	Aggregated	65 DSL	447544	0.0398	0.045	0.2	1.61	0	939.6	0	0.0513	0.049	0.148
Los Angeles (SC)	2022 OBUS	Aggregated	65 DSL	28391.7	0.0445	0.051	0.17	2.175	0	1205.3	0	0.0398	0.038	0.189
Los Angeles (SC)	2022 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2022 UBUS	Aggregated	65 DSL	18.7008	0.0005	0.035	0.04	0.265	0	1322.3	0.03	0.0212	0.02	0.208
Los Angeles (SC)	2023 HHDT	Aggregated	65 DSL	799268	0.0199	0.023	0.13	2.06	0	1302.8	0	0.0353	0.034	0.205
Los Angeles (SC)	2023 LDA	Aggregated	65 DSL	50688.9	0.0105	0.012	0.14	0.065	0	211.1	0	0.0072	0.007	0.033
Los Angeles (SC)	2023 LDT1	Aggregated	65 DSL	217.965	0.1699	0.193	1.49	1.234	0	461.06	0.01	0.1294	0.124	0.072
Los Angeles (SC)	2023 LDT2	Aggregated	65 DSL	14367.9	0.0086	0.01	0.07	0.033	0	284.86	0	0.0045	0.004	0.045
Los Angeles (SC)	2023 LHDT1	Aggregated	65 DSL	479103	0.0455	0.052	0.31	1.164	0	461.95	0	0.0112	0.011	0.073
Los Angeles (SC)	2023 LHDT2	Aggregated	65 DSL	186540	0.0447	0.051	0.3	1.12	0	494.91	0	0.013	0.012	0.078
Los Angeles (SC)	2023 MDV	Aggregated	65 DSL	29266.8	0.006	0.007	0.1	0.035	0	373.86	0	0.0037	0.004	0.059
Los Angeles (SC)	2023 MH	Aggregated	65 DSL	6951.75	0.0423	0.048	0.18	2.723	0	871.84	0	0.0892	0.085	0.137
Los Angeles (SC)	2023 MHDT	Aggregated	65 DSL	459008	0.0083	0.009	0.05	0.997	0	916.09	0	0.0144	0.014	0.144
Los Angeles (SC)	2023 OBUS	Aggregated	65 DSL	29063.7	0.0127	0.014	0.08	1.464	0	1186.8	0	0.0233	0.022	0.187
Los Angeles (SC)	2023 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2023 UBUS	Aggregated	65 DSL	18.7008	0.0005	0.035	0.04	0.265	0	1322.3	0.03	0.0212	0.02	0.208
Los Angeles (SC)	2024 HHDT	Aggregated	65 DSL	728805	0.0199	0.023	0.13	2.035	0	1279.4	0	0.0356	0.034	0.201
Los Angeles (SC)	2024 LDA	Aggregated	65 DSL	47924.1	0.0085	0.01	0.12	0.053	0	205.34	0	0.0057	0.005	0.032
Los Angeles (SC)	2024 LDT1	Aggregated	65 DSL	184.114	0.1581	0.18	1.4	1.157	0	453.78	0.01	0.1203	0.115	0.071
Los Angeles (SC)	2024 LDT2	Aggregated	65 DSL	13833.5	0.0077	0.009	0.07	0.029	0	276.9	0	0.0039	0.004	0.044
Los Angeles (SC)	2024 LHDT1	Aggregated	65 DSL	457373	0.0416	0.047	0.28	0.992	0	454.63	0	0.0103	0.01	0.071
Los Angeles (SC)	2024 LHDT2	Aggregated	65 DSL	178208	0.0411	0.047	0.27	0.962	0	487.14	0	0.0125	0.012	0.077
Los Angeles (SC)	2024 MDV	Aggregated	65 DSL	28191.4	0.0056	0.006	0.1	0.031	0	363.42	0	0.0034	0.003	0.057
Los Angeles (SC)	2024 MH	Aggregated	65 DSL	6087.03	0.0399	0.045	0.17	2.579	0	857.86	0	0.0817	0.078	0.135
Los Angeles (SC)	2024 MHDT	Aggregated	65 DSL	397785	0.0083	0.009	0.05	0.995	0	901.71	0	0.0147	0.014	0.142
Los Angeles (SC)	2024 OBUS	Aggregated	65 DSL	25867.4	0.013	0.015	0.09	1.488	0	1180.8	0	0.0242	0.023	0.186
Los Angeles (SC)	2024 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2024 UBUS	Aggregated	65 DSL	16.1647	0.0005	0.035	0.04	0.265	0	1322.3	0.03	0.0212	0.02	0.208
Los Angeles (SC)	2025 HHDT	Aggregated	65 DSL	736700	0.0198	0.023	0.13	2.001	0	1253.4	0	0.0356	0.034	0.197
Los Angeles (SC)	2025 LDA	Aggregated	65 DSL	49428	0.0073	0.008	0.11	0.043	0	199.61	0	0.0048	0.005	0.031
Los Angeles (SC)	2025 LDT1	Aggregated	65 DSL	171.639	0.1481	0.169	1.32	1.082	0	445.62	0.01	0.1125	0.108	0.07

Los Angeles (SC)	2025 LDT2	Aggregated	65 DSL	14494.4	0.0074	0.008	0.07	0.026	0	269.04	0	0.0036	0.003	0.042
Los Angeles (SC)	2025 LHDT1	Aggregated	65 DSL	475877	0.0382	0.044	0.25	0.847	0	447.24	0	0.0095	0.009	0.07
Los Angeles (SC)	2025 LHDT2	Aggregated	65 DSL	185549	0.038	0.043	0.25	0.829	0	479.33	0	0.012	0.012	0.075
Los Angeles (SC)	2025 MDV	Aggregated	65 DSL	29536.9	0.0051	0.006	0.1	0.027	0	353.04	0	0.003	0.003	0.055
Los Angeles (SC)	2025 MH	Aggregated	65 DSL	6275.8	0.0378	0.043	0.16	2.453	0	844.55	0	0.0751	0.072	0.133
Los Angeles (SC)	2025 MHDT	Aggregated	65 DSL	405516	0.0083	0.009	0.05	0.991	0	886.73	0	0.0149	0.014	0.139
Los Angeles (SC)	2025 OBUS	Aggregated	65 DSL	26409.6	0.0129	0.015	0.09	1.452	0	1153.7	0	0.0239	0.023	0.181
Los Angeles (SC)	2025 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2025 UBUS	Aggregated	65 DSL	10.2941	0.0005	0.035	0.04	0.265	0	1322.3	0.03	0.0212	0.02	0.208
Los Angeles (SC)	2026 HHDT	Aggregated	65 DSL	744937	0.0197	0.022	0.13	1.962	0	1226.6	0	0.0354	0.034	0.193
Los Angeles (SC)	2026 LDA	Aggregated	65 DSL	50629.9	0.0062	0.007	0.1	0.034	0	194.69	0	0.0039	0.004	0.031
Los Angeles (SC)	2026 LDT1	Aggregated	65 DSL	154.476	0.1294	0.147	1.19	0.962	0	435.94	0.01	0.097	0.093	0.069
Los Angeles (SC)	2026 LDT2	Aggregated	65 DSL	15061.4	0.0072	0.008	0.07	0.025	0	262.49	0	0.0035	0.003	0.041
Los Angeles (SC)	2026 LHDT1	Aggregated	65 DSL	493045	0.0353	0.04	0.23	0.724	0	439.82	0	0.0088	0.008	0.069
Los Angeles (SC)	2026 LHDT2	Aggregated	65 DSL	192327	0.0354	0.04	0.22	0.717	0	471.47	0	0.0117	0.011	0.074
Los Angeles (SC)	2026 MDV	Aggregated	65 DSL	30684.2	0.0047	0.005	0.09	0.023	0	344.17	0	0.0027	0.003	0.054
Los Angeles (SC)	2026 MH	Aggregated	65 DSL	6451.13	0.036	0.041	0.15	2.342	0	832.77	0	0.0692	0.066	0.131
Los Angeles (SC)	2026 MHDT	Aggregated	65 DSL	413256	0.0083	0.009	0.05	0.983	0	872.32	0	0.015	0.014	0.137
Los Angeles (SC)	2026 OBUS	Aggregated	65 DSL	26958	0.0129	0.015	0.09	1.42	0	1129.1	0	0.0237	0.023	0.177
Los Angeles (SC)	2026 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2026 UBUS	Aggregated	65 DSL	10.2941	0.0005	0.035	0.04	0.265	0	1322.3	0.03	0.0212	0.02	0.208
Los Angeles (SC)	2027 HHDT	Aggregated	65 DSL	754805	0.0196	0.022	0.13	1.92	0	1197.7	0	0.0351	0.034	0.188
Los Angeles (SC)	2027 LDA	Aggregated	65 DSL	51759.9	0.0051	0.006	0.1	0.026	0	190.43	0	0.003	0.003	0.03
Los Angeles (SC)	2027 LDT1	Aggregated	65 DSL	131.714	0.0941	0.107	1	0.756	0	422.55	0	0.067	0.064	0.066
Los Angeles (SC)	2027 LDT2	Aggregated	65 DSL	15586.8	0.007	0.008	0.07	0.023	0	256.67	0	0.0033	0.003	0.04
Los Angeles (SC)	2027 LHDT1	Aggregated	65 DSL	508818	0.0329	0.037	0.2	0.619	0	432.41	0	0.0082	0.008	0.068
Los Angeles (SC)	2027 LHDT2	Aggregated	65 DSL	198539	0.0332	0.038	0.21	0.623	0	463.63	0	0.0114	0.011	0.073
Los Angeles (SC)	2027 MDV	Aggregated	65 DSL	31758.9	0.0041	0.005	0.09	0.019	0	336.41	0	0.0022	0.002	0.053
Los Angeles (SC)	2027 MH	Aggregated	65 DSL	6610.33	0.0343	0.039	0.14	2.242	0	820.52	0	0.0639	0.061	0.129
Los Angeles (SC)	2027 MHDT	Aggregated	65 DSL	421726	0.0082	0.009	0.05	0.973	0	857.07	0	0.0151	0.014	0.135
Los Angeles (SC)	2027 OBUS	Aggregated	65 DSL	27568.7	0.0128	0.015	0.08	1.389	0	1104.6	0	0.0234	0.022	0.174
Los Angeles (SC)	2027 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2027 UBUS	Aggregated	65 DSL	10.2941	0.0005	0.035	0.04	0.265	0	1322.3	0.03	0.0212	0.02	0.208
Los Angeles (SC)	2028 HHDT	Aggregated	65 DSL	761202	0.0194	0.022	0.13	1.884	0	1169.4	0	0.0348	0.033	0.184

Los Angeles (SC)	2030	UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	
Los Angeles (SC)	2031	HHDT	Aggregated	65 DSL	698779	0.0191	0.022	0.13	1.803	0	1096.9	0	0.0341	0.033	0.172
Los Angeles (SC)	2031	LDA	Aggregated	65 DSL	51753.9	0.003	0.003	0.08	0.012	0	178.52	0	0.0014	0.001	0.028
Los Angeles (SC)	2031	LDT1	Aggregated	65 DSL	94.6772	0.0326	0.037	0.4	0.366	0	381.89	0	0.0197	0.019	0.06
Los Angeles (SC)	2031	LDT2	Aggregated	65 DSL	16100.9	0.0068	0.008	0.07	0.021	0	239.76	0	0.0032	0.003	0.038
Los Angeles (SC)	2031	LHDT1	Aggregated	65 DSL	518486	0.0262	0.03	0.15	0.335	0	411.08	0	0.0065	0.006	0.065
Los Angeles (SC)	2031	LHDT2	Aggregated	65 DSL	202524	0.0274	0.031	0.16	0.371	0	440.74	0	0.0108	0.01	0.069
Los Angeles (SC)	2031	MDV	Aggregated	65 DSL	32977.4	0.0031	0.004	0.08	0.012	0	314.47	0	0.0014	0.001	0.049
Los Angeles (SC)	2031	MH	Aggregated	65 DSL	5857.72	0.0291	0.033	0.11	1.939	0	781.84	0	0.0477	0.046	0.123
Los Angeles (SC)	2031	MHDT	Aggregated	65 DSL	365873	0.0082	0.009	0.05	0.958	0	807.72	0	0.0154	0.015	0.127
Los Angeles (SC)	2031	OBUS	Aggregated	65 DSL	25067.4	0.013	0.015	0.09	1.387	0	1052.4	0	0.024	0.023	0.165
Los Angeles (SC)	2031	SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2031	UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2032	HHDT	Aggregated	65 DSL	703892	0.019	0.022	0.13	1.779	0	1077.1	0	0.0339	0.032	0.169
Los Angeles (SC)	2032	LDA	Aggregated	65 DSL	52301.5	0.0027	0.003	0.07	0.01	0	176.42	0	0.0011	0.001	0.028
Los Angeles (SC)	2032	LDT1	Aggregated	65 DSL	92.6273	0.0262	0.03	0.33	0.314	0	373.59	0	0.0156	0.015	0.059
Los Angeles (SC)	2032	LDT2	Aggregated	65 DSL	16350.7	0.0068	0.008	0.07	0.021	0	236.55	0	0.0032	0.003	0.037
Los Angeles (SC)	2032	LHDT1	Aggregated	65 DSL	528867	0.0252	0.029	0.14	0.289	0	407.28	0	0.0062	0.006	0.064
Los Angeles (SC)	2032	LHDT2	Aggregated	65 DSL	206556	0.0264	0.03	0.15	0.329	0	436.59	0	0.0106	0.01	0.069
Los Angeles (SC)	2032	MDV	Aggregated	65 DSL	33574.3	0.003	0.003	0.08	0.011	0	310.52	0	0.0013	0.001	0.049
Los Angeles (SC)	2032	MH	Aggregated	65 DSL	5947.3	0.0281	0.032	0.11	1.881	0	774.61	0	0.0445	0.043	0.122
Los Angeles (SC)	2032	MHDT	Aggregated	65 DSL	369778	0.0082	0.009	0.05	0.953	0	798.31	0	0.0154	0.015	0.125
Los Angeles (SC)	2032	OBUS	Aggregated	65 DSL	25410.7	0.013	0.015	0.09	1.378	0	1041.8	0	0.0241	0.023	0.164
Los Angeles (SC)	2032	SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2032	UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2033	HHDT	Aggregated	65 DSL	709041	0.0189	0.022	0.13	1.757	0	1059.7	0	0.0338	0.032	0.167
Los Angeles (SC)	2033	LDA	Aggregated	65 DSL	52789.5	0.0026	0.003	0.07	0.009	0	174.63	0	0.0011	0.001	0.027
Los Angeles (SC)	2033	LDT1	Aggregated	65 DSL	91.6618	0.0231	0.026	0.29	0.277	0	366.42	0	0.0136	0.013	0.058
Los Angeles (SC)	2033	LDT2	Aggregated	65 DSL	16562.2	0.0068	0.008	0.07	0.021	0	233.65	0	0.0032	0.003	0.037
Los Angeles (SC)	2033	LHDT1	Aggregated	65 DSL	538591	0.0243	0.028	0.13	0.25	0	403.9	0	0.0059	0.006	0.063
Los Angeles (SC)	2033	LHDT2	Aggregated	65 DSL	210335	0.0255	0.029	0.14	0.293	0	432.89	0	0.0105	0.01	0.068
Los Angeles (SC)	2033	MDV	Aggregated	65 DSL	34107.3	0.0029	0.003	0.08	0.01	0	307.02	0	0.0012	0.001	0.048
Los Angeles (SC)	2033	MH	Aggregated	65 DSL	6031.89	0.0272	0.031	0.1	1.826	0	768.08	0	0.0415	0.04	0.121
Los Angeles (SC)	2033	MHDT	Aggregated	65 DSL	373626	0.0082	0.009	0.05	0.948	0	789.96	0	0.0154	0.015	0.124

Los Angeles (SC)	2033	OBUS	Aggregated	65 DSL	25758.5	0.013	0.015	0.09	1.365	0	1031.7	0	0.0241	0.023	0.162
Los Angeles (SC)	2033	SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2033	UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2034	HHDT	Aggregated	65 DSL	714188	0.0188	0.021	0.13	1.734	0	1044	0	0.0336	0.032	0.164
Los Angeles (SC)	2034	LDA	Aggregated	65 DSL	53209.2	0.0025	0.003	0.07	0.009	0	173.06	0	0.001	9E-04	0.027
Los Angeles (SC)	2034	LDT1	Aggregated	65 DSL	90.909	0.0204	0.023	0.26	0.245	0	359.91	0	0.0119	0.011	0.057
Los Angeles (SC)	2034	LDT2	Aggregated	65 DSL	16741.6	0.0068	0.008	0.07	0.02	0	231.07	0	0.0032	0.003	0.036
Los Angeles (SC)	2034	LHDT1	Aggregated	65 DSL	547722	0.0235	0.027	0.13	0.217	0	400.9	0	0.0057	0.005	0.063
Los Angeles (SC)	2034	LHDT2	Aggregated	65 DSL	213887	0.0248	0.028	0.13	0.262	0	429.6	0	0.0104	0.01	0.068
Los Angeles (SC)	2034	MDV	Aggregated	65 DSL	34584.8	0.0028	0.003	0.08	0.009	0	303.92	0	0.0011	0.001	0.048
Los Angeles (SC)	2034	MH	Aggregated	65 DSL	6111.25	0.0263	0.03	0.1	1.776	0	762.19	0	0.0387	0.037	0.12
Los Angeles (SC)	2034	MHDT	Aggregated	65 DSL	377376	0.0082	0.009	0.05	0.942	0	782.18	0	0.0155	0.015	0.123
Los Angeles (SC)	2034	OBUS	Aggregated	65 DSL	26084.2	0.013	0.015	0.09	1.349	0	1021.7	0	0.0239	0.023	0.161
Los Angeles (SC)	2034	SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2034	UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2035	HHDT	Aggregated	65 DSL	719365	0.0187	0.021	0.13	1.715	0	1030.2	0	0.0334	0.032	0.162
Los Angeles (SC)	2035	LDA	Aggregated	65 DSL	53565.5	0.0024	0.003	0.07	0.008	0	171.69	0	0.0009	9E-04	0.027
Los Angeles (SC)	2035	LDT1	Aggregated	65 DSL	89.7971	0.0161	0.018	0.21	0.209	0	353.71	0	0.0091	0.009	0.056
Los Angeles (SC)	2035	LDT2	Aggregated	65 DSL	16895.2	0.0068	0.008	0.07	0.02	0	228.8	0	0.0032	0.003	0.036
Los Angeles (SC)	2035	LHDT1	Aggregated	65 DSL	556093	0.0229	0.026	0.12	0.188	0	398.19	0	0.0055	0.005	0.063
Los Angeles (SC)	2035	LHDT2	Aggregated	65 DSL	217125	0.0241	0.027	0.13	0.235	0	426.6	0	0.0102	0.01	0.067
Los Angeles (SC)	2035	MDV	Aggregated	65 DSL	35003.2	0.0027	0.003	0.08	0.009	0	301.16	0	0.0011	0.001	0.047
Los Angeles (SC)	2035	MH	Aggregated	65 DSL	6186.51	0.0254	0.029	0.09	1.73	0	756.89	0	0.036	0.034	0.119
Los Angeles (SC)	2035	MHDT	Aggregated	65 DSL	381084	0.0082	0.009	0.05	0.935	0	775.16	0	0.0154	0.015	0.122
Los Angeles (SC)	2035	OBUS	Aggregated	65 DSL	26429.1	0.0129	0.015	0.09	1.332	0	1012.1	0	0.0237	0.023	0.159
Los Angeles (SC)	2035	SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2035	UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2036	HHDT	Aggregated	65 DSL	725681	0.0187	0.021	0.13	1.699	0	1018.3	0	0.0333	0.032	0.16
Los Angeles (SC)	2036	LDA	Aggregated	65 DSL	53870.9	0.0023	0.003	0.07	0.008	0	170.5	0	0.0008	8E-04	0.027
Los Angeles (SC)	2036	LDT1	Aggregated	65 DSL	89.2776	0.0139	0.016	0.19	0.182	0	348.35	0	0.0077	0.007	0.055
Los Angeles (SC)	2036	LDT2	Aggregated	65 DSL	17030.4	0.0068	0.008	0.07	0.02	0	226.84	0	0.0032	0.003	0.036
Los Angeles (SC)	2036	LHDT1	Aggregated	65 DSL	563847	0.0223	0.025	0.12	0.163	0	395.75	0	0.0053	0.005	0.062
Los Angeles (SC)	2036	LHDT2	Aggregated	65 DSL	220225	0.0236	0.027	0.13	0.212	0	423.98	0	0.0102	0.01	0.067
Los Angeles (SC)	2036	MDV	Aggregated	65 DSL	35377.6	0.0026	0.003	0.08	0.009	0	298.72	0	0.001	1E-03	0.047

Los Angeles (SC)	2036 MH	Aggregated	65 DSL	6259.37	0.0247	0.028	0.09	1.688	0	752.1	0	0.0336	0.032	0.118
Los Angeles (SC)	2036 MHDT	Aggregated	65 DSL	385390	0.0081	0.009	0.05	0.928	0	768.86	0	0.0154	0.015	0.121
Los Angeles (SC)	2036 OBUS	Aggregated	65 DSL	26763.8	0.0128	0.015	0.09	1.315	0	1003.3	0	0.0235	0.023	0.158
Los Angeles (SC)	2036 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2036 UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2037 HHDT	Aggregated	65 DSL	732047	0.0186	0.021	0.13	1.686	0	1007.7	0	0.0332	0.032	0.158
Los Angeles (SC)	2037 LDA	Aggregated	65 DSL	54129	0.0022	0.003	0.07	0.007	0	169.49	0	0.0008	7E-04	0.027
Los Angeles (SC)	2037 LDT1	Aggregated	65 DSL	89.1257	0.0129	0.015	0.17	0.163	0	343.82	0	0.0071	0.007	0.054
Los Angeles (SC)	2037 LDT2	Aggregated	65 DSL	17146.1	0.0068	0.008	0.07	0.02	0	225.16	0	0.0032	0.003	0.035
Los Angeles (SC)	2037 LHDT1	Aggregated	65 DSL	570804	0.0218	0.025	0.11	0.141	0	393.53	0	0.0052	0.005	0.062
Los Angeles (SC)	2037 LHDT2	Aggregated	65 DSL	223005	0.0231	0.026	0.12	0.191	0	421.59	0	0.0102	0.01	0.066
Los Angeles (SC)	2037 MDV	Aggregated	65 DSL	35707.6	0.0026	0.003	0.08	0.008	0	296.58	0	0.0009	9E-04	0.047
Los Angeles (SC)	2037 MH	Aggregated	65 DSL	6328.27	0.024	0.027	0.09	1.648	0	747.72	0	0.0313	0.03	0.118
Los Angeles (SC)	2037 MHDT	Aggregated	65 DSL	389626	0.0081	0.009	0.05	0.923	0	762.99	0	0.0154	0.015	0.12
Los Angeles (SC)	2037 OBUS	Aggregated	65 DSL	27103.5	0.0128	0.015	0.09	1.3	0	995.24	0	0.0234	0.022	0.156
Los Angeles (SC)	2037 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2037 UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2038 HHDT	Aggregated	65 DSL	738449	0.0186	0.021	0.13	1.675	0	998.38	0	0.0331	0.032	0.157
Los Angeles (SC)	2038 LDA	Aggregated	65 DSL	54344.2	0.0022	0.002	0.07	0.007	0	168.64	0	0.0007	7E-04	0.027
Los Angeles (SC)	2038 LDT1	Aggregated	65 DSL	88.9026	0.0121	0.014	0.16	0.144	0	339.39	0	0.0066	0.006	0.053
Los Angeles (SC)	2038 LDT2	Aggregated	65 DSL	17245.2	0.0068	0.008	0.07	0.02	0	223.73	0	0.0033	0.003	0.035
Los Angeles (SC)	2038 LHDT1	Aggregated	65 DSL	577101	0.0214	0.024	0.11	0.122	0	391.52	0	0.005	0.005	0.062
Los Angeles (SC)	2038 LHDT2	Aggregated	65 DSL	225472	0.0227	0.026	0.12	0.172	0	419.39	0	0.0102	0.01	0.066
Los Angeles (SC)	2038 MDV	Aggregated	65 DSL	35997.5	0.0025	0.003	0.08	0.008	0	294.69	0	0.0009	8E-04	0.046
Los Angeles (SC)	2038 MH	Aggregated	65 DSL	6392.21	0.0233	0.027	0.08	1.611	0	743.72	0	0.0292	0.028	0.117
Los Angeles (SC)	2038 MHDT	Aggregated	65 DSL	393774	0.0081	0.009	0.05	0.917	0	757.71	0	0.0154	0.015	0.119
Los Angeles (SC)	2038 OBUS	Aggregated	65 DSL	27451.6	0.0127	0.015	0.08	1.288	0	988.09	0	0.0232	0.022	0.155
Los Angeles (SC)	2038 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2038 UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2039 HHDT	Aggregated	65 DSL	744889	0.0186	0.021	0.13	1.667	0	990.24	0	0.0331	0.032	0.156
Los Angeles (SC)	2039 LDA	Aggregated	65 DSL	54525.8	0.0022	0.002	0.07	0.007	0	167.93	0	0.0007	6E-04	0.026
Los Angeles (SC)	2039 LDT1	Aggregated	65 DSL	88.8117	0.0114	0.013	0.15	0.128	0	335.67	0	0.0062	0.006	0.053
Los Angeles (SC)	2039 LDT2	Aggregated	65 DSL	17331.9	0.0068	0.008	0.07	0.02	0	222.53	0	0.0033	0.003	0.035
Los Angeles (SC)	2039 LHDT1	Aggregated	65 DSL	582788	0.0211	0.024	0.11	0.106	0	389.7	0	0.0049	0.005	0.061

Los Angeles (SC)	2039 LHDT2	Aggregated	65 DSL	227646	0.0223	0.025	0.11	0.154	0	417.38	0	0.0102	0.01	0.066
Los Angeles (SC)	2039 MDV	Aggregated	65 DSL	36252	0.0025	0.003	0.08	0.008	0	293.05	0	0.0008	8E-04	0.046
Los Angeles (SC)	2039 MH	Aggregated	65 DSL	6452.92	0.0227	0.026	0.08	1.578	0	740.09	0	0.0272	0.026	0.116
Los Angeles (SC)	2039 MHDT	Aggregated	65 DSL	397841	0.0081	0.009	0.05	0.913	0	752.95	0	0.0154	0.015	0.118
Los Angeles (SC)	2039 OBUS	Aggregated	65 DSL	27782	0.0127	0.014	0.08	1.278	0	981.67	0	0.0231	0.022	0.154
Los Angeles (SC)	2039 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2039 UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2040 HHDT	Aggregated	65 DSL	751351	0.0186	0.021	0.13	1.66	0	983.12	0	0.0331	0.032	0.155
Los Angeles (SC)	2040 LDA	Aggregated	65 DSL	54679.8	0.0021	0.002	0.07	0.006	0	167.33	0	0.0006	6E-04	0.026
Los Angeles (SC)	2040 LDT1	Aggregated	65 DSL	88.7695	0.0108	0.012	0.14	0.114	0	332.41	0	0.0058	0.006	0.052
Los Angeles (SC)	2040 LDT2	Aggregated	65 DSL	17409.4	0.0068	0.008	0.07	0.02	0	221.55	0	0.0033	0.003	0.035
Los Angeles (SC)	2040 LHDT1	Aggregated	65 DSL	587928	0.0208	0.024	0.1	0.092	0	388.06	0	0.0048	0.005	0.061
Los Angeles (SC)	2040 LHDT2	Aggregated	65 DSL	229716	0.022	0.025	0.11	0.141	0	415.63	0	0.0103	0.01	0.065
Los Angeles (SC)	2040 MDV	Aggregated	65 DSL	36475.4	0.0024	0.003	0.08	0.007	0	291.61	0	0.0008	8E-04	0.046
Los Angeles (SC)	2040 MH	Aggregated	65 DSL	6510.5	0.0222	0.025	0.08	1.549	0	736.72	0	0.0254	0.024	0.116
Los Angeles (SC)	2040 MHDT	Aggregated	65 DSL	401846	0.0081	0.009	0.05	0.909	0	748.7	0	0.0153	0.015	0.118
Los Angeles (SC)	2040 OBUS	Aggregated	65 DSL	28112.1	0.0127	0.014	0.08	1.272	0	976.22	0	0.023	0.022	0.153
Los Angeles (SC)	2040 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2040 UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2041 HHDT	Aggregated	65 DSL	758121	0.0185	0.021	0.13	1.654	0	976.98	0	0.0331	0.032	0.154
Los Angeles (SC)	2041 LDA	Aggregated	65 DSL	54805.1	0.0021	0.002	0.07	0.006	0	166.85	0	0.0006	6E-04	0.026
Los Angeles (SC)	2041 LDT1	Aggregated	65 DSL	88.3922	0.01	0.011	0.12	0.094	0	328.58	0	0.0053	0.005	0.052
Los Angeles (SC)	2041 LDT2	Aggregated	65 DSL	17477	0.0068	0.008	0.07	0.02	0	220.75	0	0.0033	0.003	0.035
Los Angeles (SC)	2041 LHDT1	Aggregated	65 DSL	592470	0.0205	0.023	0.1	0.081	0	386.58	0	0.0047	0.004	0.061
Los Angeles (SC)	2041 LHDT2	Aggregated	65 DSL	231548	0.0218	0.025	0.11	0.13	0	414.05	0	0.0103	0.01	0.065
Los Angeles (SC)	2041 MDV	Aggregated	65 DSL	36667.2	0.0024	0.003	0.08	0.007	0	290.37	0	0.0008	7E-04	0.046
Los Angeles (SC)	2041 MH	Aggregated	65 DSL	6564.1	0.0217	0.025	0.07	1.523	0	733.62	0	0.0237	0.023	0.115
Los Angeles (SC)	2041 MHDT	Aggregated	65 DSL	405944	0.0081	0.009	0.05	0.905	0	744.76	0	0.0153	0.015	0.117
Los Angeles (SC)	2041 OBUS	Aggregated	65 DSL	28440	0.0127	0.014	0.08	1.27	0	971.73	0	0.023	0.022	0.153
Los Angeles (SC)	2041 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2041 UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2042 HHDT	Aggregated	65 DSL	764908	0.0185	0.021	0.13	1.649	0	971.73	0	0.0331	0.032	0.153
Los Angeles (SC)	2042 LDA	Aggregated	65 DSL	54920	0.0021	0.002	0.07	0.006	0	166.47	0	0.0006	6E-04	0.026
Los Angeles (SC)	2042 LDT1	Aggregated	65 DSL	88.2481	0.0094	0.011	0.12	0.08	0	325.64	0	0.005	0.005	0.051

Los Angeles (SC)	2042 LDT2	Aggregated	65 DSL	17539.7	0.0068	0.008	0.07	0.02	0	220.1	0	0.0033	0.003	0.035
Los Angeles (SC)	2042 LHDT1	Aggregated	65 DSL	596536	0.0203	0.023	0.1	0.071	0	385.24	0	0.0046	0.004	0.061
Los Angeles (SC)	2042 LHDT2	Aggregated	65 DSL	233263	0.0216	0.025	0.11	0.121	0	412.66	0	0.0103	0.01	0.065
Los Angeles (SC)	2042 MDV	Aggregated	65 DSL	36840.6	0.0024	0.003	0.08	0.007	0	289.31	0	0.0007	7E-04	0.045
Los Angeles (SC)	2042 MH	Aggregated	65 DSL	6615.28	0.0213	0.024	0.07	1.5	0	730.77	0	0.022	0.021	0.115
Los Angeles (SC)	2042 MHDT	Aggregated	65 DSL	409993	0.0081	0.009	0.05	0.902	0	741.27	0	0.0153	0.015	0.117
Los Angeles (SC)	2042 OBUS	Aggregated	65 DSL	28771.6	0.0127	0.014	0.08	1.271	0	968.13	0	0.0231	0.022	0.152
Los Angeles (SC)	2042 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2042 UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2043 HHDT	Aggregated	65 DSL	771710	0.0185	0.021	0.13	1.645	0	967.13	0	0.0331	0.032	0.152
Los Angeles (SC)	2043 LDA	Aggregated	65 DSL	55014.4	0.002	0.002	0.07	0.006	0	166.16	0	0.0006	6E-04	0.026
Los Angeles (SC)	2043 LDT1	Aggregated	65 DSL	88.0783	0.0088	0.01	0.11	0.067	0	322.93	0	0.0046	0.004	0.051
Los Angeles (SC)	2043 LDT2	Aggregated	65 DSL	17595.3	0.0068	0.008	0.07	0.02	0	219.59	0	0.0033	0.003	0.035
Los Angeles (SC)	2043 LHDT1	Aggregated	65 DSL	600184	0.0201	0.023	0.1	0.064	0	384.06	0	0.0045	0.004	0.06
Los Angeles (SC)	2043 LHDT2	Aggregated	65 DSL	234876	0.0215	0.024	0.11	0.115	0	411.46	0	0.0103	0.01	0.065
Los Angeles (SC)	2043 MDV	Aggregated	65 DSL	36989.3	0.0024	0.003	0.08	0.007	0	288.4	0	0.0007	7E-04	0.045
Los Angeles (SC)	2043 MH	Aggregated	65 DSL	6662.23	0.0209	0.024	0.07	1.479	0	728.09	0	0.0205	0.02	0.114
Los Angeles (SC)	2043 MHDT	Aggregated	65 DSL	413994	0.0081	0.009	0.05	0.899	0	738.08	0	0.0153	0.015	0.116
Los Angeles (SC)	2043 OBUS	Aggregated	65 DSL	29090.6	0.0127	0.014	0.08	1.274	0	965.28	0	0.0232	0.022	0.152
Los Angeles (SC)	2043 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2043 UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2044 HHDT	Aggregated	65 DSL	778513	0.0185	0.021	0.13	1.64	0	963.16	0	0.0331	0.032	0.151
Los Angeles (SC)	2044 LDA	Aggregated	65 DSL	55094.2	0.002	0.002	0.07	0.006	0	165.92	0	0.0006	5E-04	0.026
Los Angeles (SC)	2044 LDT1	Aggregated	65 DSL	88.0467	0.0085	0.01	0.1	0.058	0	320.86	0	0.0044	0.004	0.05
Los Angeles (SC)	2044 LDT2	Aggregated	65 DSL	17644.6	0.0068	0.008	0.07	0.02	0	219.17	0	0.0033	0.003	0.034
Los Angeles (SC)	2044 LHDT1	Aggregated	65 DSL	603352	0.02	0.023	0.1	0.056	0	383	0	0.0044	0.004	0.06
Los Angeles (SC)	2044 LHDT2	Aggregated	65 DSL	236183	0.0212	0.024	0.11	0.103	0	410.31	0	0.0103	0.01	0.064
Los Angeles (SC)	2044 MDV	Aggregated	65 DSL	37119.7	0.0023	0.003	0.08	0.007	0	287.64	0	0.0007	7E-04	0.045
Los Angeles (SC)	2044 MH	Aggregated	65 DSL	6705.65	0.0206	0.023	0.07	1.46	0	725.61	0	0.019	0.018	0.114
Los Angeles (SC)	2044 MHDT	Aggregated	65 DSL	417961	0.0081	0.009	0.05	0.897	0	735.23	0	0.0153	0.015	0.116
Los Angeles (SC)	2044 OBUS	Aggregated	65 DSL	29414.9	0.0127	0.014	0.08	1.276	0	962.89	0	0.0233	0.022	0.151
Los Angeles (SC)	2044 SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2044 UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2045 HHDT	Aggregated	65 DSL	785323	0.0185	0.021	0.13	1.637	0	959.72	0	0.0331	0.032	0.151

Los Angeles (SC)	2047	UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	
Los Angeles (SC)	2048	HHDT	Aggregated	65 DSL	809768	0.0185	0.021	0.13	1.628	0	952.3	0	0.0331	0.032	0.15
Los Angeles (SC)	2048	LDA	Aggregated	65 DSL	55317.7	0.002	0.002	0.07	0.006	0	165.41	0	0.0005	5E-04	0.026
Los Angeles (SC)	2048	LDT1	Aggregated	65 DSL	87.7989	0.0072	0.008	0.08	0.028	0	314.28	0	0.0036	0.003	0.049
Los Angeles (SC)	2048	LDT2	Aggregated	65 DSL	17798.1	0.0068	0.008	0.07	0.02	0	218.16	0	0.0033	0.003	0.034
Los Angeles (SC)	2048	LHDT1	Aggregated	65 DSL	613250	0.0196	0.022	0.09	0.038	0	379.88	0	0.0042	0.004	0.06
Los Angeles (SC)	2048	LHDT2	Aggregated	65 DSL	240570	0.0204	0.023	0.1	0.07	0	407	0	0.0103	0.01	0.064
Los Angeles (SC)	2048	MDV	Aggregated	65 DSL	37506.3	0.0023	0.003	0.08	0.006	0	285.64	0	0.0006	6E-04	0.045
Los Angeles (SC)	2048	MH	Aggregated	65 DSL	6854.14	0.0197	0.022	0.06	1.41	0	717.45	0	0.0145	0.014	0.113
Los Angeles (SC)	2048	MHDT	Aggregated	65 DSL	435846	0.0081	0.009	0.05	0.893	0	726.59	0	0.0153	0.015	0.114
Los Angeles (SC)	2048	OBUS	Aggregated	65 DSL	30689.1	0.0128	0.015	0.08	1.277	0	955.85	0	0.0234	0.022	0.15
Los Angeles (SC)	2048	SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2048	UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2049	HHDT	Aggregated	65 DSL	817974	0.0185	0.021	0.13	1.627	0	950.47	0	0.0331	0.032	0.149
Los Angeles (SC)	2049	LDA	Aggregated	65 DSL	55348.3	0.002	0.002	0.07	0.006	0	165.34	0	0.0005	5E-04	0.026
Los Angeles (SC)	2049	LDT1	Aggregated	65 DSL	87.9199	0.0072	0.008	0.08	0.027	0	313.6	0	0.0036	0.003	0.049
Los Angeles (SC)	2049	LDT2	Aggregated	65 DSL	17824.9	0.0068	0.008	0.07	0.02	0	218	0	0.0033	0.003	0.034
Los Angeles (SC)	2049	LHDT1	Aggregated	65 DSL	614899	0.0196	0.022	0.09	0.035	0	379.31	0	0.0042	0.004	0.06
Los Angeles (SC)	2049	LHDT2	Aggregated	65 DSL	241352	0.0203	0.023	0.1	0.063	0	406.39	0	0.0103	0.01	0.064
Los Angeles (SC)	2049	MDV	Aggregated	65 DSL	37573.7	0.0023	0.003	0.08	0.006	0	285.34	0	0.0006	6E-04	0.045
Los Angeles (SC)	2049	MH	Aggregated	65 DSL	6884.29	0.0196	0.022	0.06	1.405	0	715.79	0	0.0136	0.013	0.113
Los Angeles (SC)	2049	MHDT	Aggregated	65 DSL	440455	0.0081	0.009	0.05	0.892	0	725.02	0	0.0153	0.015	0.114
Los Angeles (SC)	2049	OBUS	Aggregated	65 DSL	31000.8	0.0127	0.015	0.08	1.273	0	954.15	0	0.0234	0.022	0.15
Los Angeles (SC)	2049	SBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2049	UBUS	Aggregated	65 DSL	0	0	0	0	0	0	0	0	0	0	0
Los Angeles (SC)	2050	HHDT	Aggregated	65 DSL	826185	0.0185	0.021	0.13	1.625	0	954.12	0	0.0331	0.032	0.15
Los Angeles (SC)	2050	LDA	Aggregated	65 DSL	55372.3	0.002	0.002	0.07	0.005	0	165.29	0	0.0005	5E-04	0.026
Los Angeles (SC)	2050	LDT1	Aggregated	65 DSL	88.057	0.0071	0.008	0.08	0.026	0	313.08	0	0.0036	0.003	0.049
Los Angeles (SC)	2050	LDT2	Aggregated	65 DSL	17848.4	0.0068	0.008	0.07	0.02	0	217.87	0	0.0033	0.003	0.034
Los Angeles (SC)	2050	LHDT1	Aggregated	65 DSL	616314	0.0195	0.022	0.09	0.033	0	378.82	0	0.0042	0.004	0.06
Los Angeles (SC)	2050	LHDT2	Aggregated	65 DSL	241909	0.02	0.023	0.1	0.053	0	405.75	0	0.0103	0.01	0.064
Los Angeles (SC)	2050	MDV	Aggregated	65 DSL	37632.9	0.0023	0.003	0.08	0.006	0	285.09	0	0.0006	6E-04	0.045
Los Angeles (SC)	2050	MH	Aggregated	65 DSL	6912.57	0.0195	0.022	0.06	1.4	0	714.28	0	0.0128	0.012	0.112
Los Angeles (SC)	2050	MHDT	Aggregated	65 DSL	445060	0.0081	0.009	0.05	0.892	0	724.88	0	0.0153	0.015	0.114

Duarte Station Specific Plan EIR
EMFAC2017 WebDataBase Output File
Los Angeles South Coast, 2021 to 2050 Diesel Vehcile Emission Factors (65MPH)

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: Los Angeles (SC)

Calendar Year: 2021

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consum

Region	Calendar Year	Vehicle Cat	Model Year	Speed	Fuel	Population	VMT	Trips
Los Angeles	2021	HHDT	Aggregatec	Aggregatec	GAS	58.07198	5693.756	1161.904
Los Angeles	2021	HHDT	Aggregatec	Aggregatec	DSL	55990.86	6673865	556551.3
Los Angeles	2021	HHDT	Aggregatec	Aggregatec	NG	2450.201	99716.61	9555.786
Los Angeles	2021	LDA	Aggregatec	Aggregatec	GAS	3908603	1.51E+08	18440358
Los Angeles	2021	LDA	Aggregatec	Aggregatec	DSL	32586.46	1298142	154026
Los Angeles	2021	LDA	Aggregatec	Aggregatec	ELEC	66214.59	2654203	331237.8
Los Angeles	2021	LDT1	Aggregatec	Aggregatec	GAS	443615	16706920	2046809
Los Angeles	2021	LDT1	Aggregatec	Aggregatec	DSL	290.8626	7197.69	1036.357
Los Angeles	2021	LDT1	Aggregatec	Aggregatec	ELEC	2511.871	99622.81	12479.58
Los Angeles	2021	LDT2	Aggregatec	Aggregatec	GAS	1346969	51495062	6318825
Los Angeles	2021	LDT2	Aggregatec	Aggregatec	DSL	8031.054	350363.7	39758.63
Los Angeles	2021	LDT2	Aggregatec	Aggregatec	ELEC	10912.37	363985	55320.27
Los Angeles	2021	LHDT1	Aggregatec	Aggregatec	GAS	105693.4	3876714	1574675
Los Angeles	2021	LHDT1	Aggregatec	Aggregatec	DSL	59340.16	2581231	746424.5
Los Angeles	2021	LHDT2	Aggregatec	Aggregatec	GAS	17634.39	624954.5	262726.1
Los Angeles	2021	LHDT2	Aggregatec	Aggregatec	DSL	23954.96	1002703	301323.3
Los Angeles	2021	MCY	Aggregatec	Aggregatec	GAS	170130.7	1205146	340261.4
Los Angeles	2021	MDV	Aggregatec	Aggregatec	GAS	911569.9	32248064	4221474
Los Angeles	2021	MDV	Aggregatec	Aggregatec	DSL	17653	715508.5	87132.23
Los Angeles	2021	MDV	Aggregatec	Aggregatec	ELEC	4769.444	164756.7	24445.83
Los Angeles	2021	MH	Aggregatec	Aggregatec	GAS	18789.47	190228.3	1879.699
Los Angeles	2021	MH	Aggregatec	Aggregatec	DSL	5558.491	59012.67	555.8491
Los Angeles	2021	MHDT	Aggregatec	Aggregatec	GAS	14428.47	790404.3	288684.9
Los Angeles	2021	MHDT	Aggregatec	Aggregatec	DSL	64529.73	4032847	633765.2
Los Angeles	2021	OBUS	Aggregatec	Aggregatec	GAS	3987.992	167395.6	79791.74
Los Angeles	2021	OBUS	Aggregatec	Aggregatec	DSL	3046.476	229570.7	29861.24
Los Angeles	2021	SBUS	Aggregatec	Aggregatec	GAS	1276.438	52254.05	5105.752
Los Angeles	2021	SBUS	Aggregatec	Aggregatec	DSL	3420.816	108359.3	39475.74
Los Angeles	2021	UBUS	Aggregatec	Aggregatec	GAS	455.3227	32794.67	1821.291
Los Angeles	2021	UBUS	Aggregatec	Aggregatec	DSL	10.1389	1181.23	40.5556
Los Angeles	2021	UBUS	Aggregatec	Aggregatec	ELEC	12	1070.403	48
Los Angeles	2021	UBUS	Aggregatec	Aggregatec	NG	4104.851	434528.7	16419.4

Total Vehicle Population **7308599**

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ROG_RUNI	ROG_IDLE	ROG_STRE	ROG_TOTE	ROG_DIUR	ROG_HTSK	ROG_RUNI	ROG_RESTI	ROG_TOTA
0.003836	0	1.78E-06	0.003837	5.35E-06	0.000204	0.001118	3.75E-06	0.005169
0.895764	0.286904	0	1.182668	0	0	0	0	1.182668
0.04352	0.000202	0	0.043722	0	0	0	0	0.043722
2.348813	0	5.139927	7.488739	1.184365	2.241553	4.592484	1.110702	16.61784
0.034769	0	0	0.034769	0	0	0	0	0.034769
0	0	0	0	0.001635	0.001785	0	0.000547	0.003968
0.737926	0	0.897398	1.635324	0.31788	0.493894	1.711973	0.264365	4.423436
0.001595	0	0	0.001595	0	0	0	0	0.001595
0	0	0	0	6.2E-05	6.72E-05	0	2.08E-05	0.00015
1.342608	0	2.43516	3.777768	0.542791	0.928118	2.99212	0.544548	8.785346
0.0091	0	0	0.0091	0	0	0	0	0.0091
0	0	0	0	0.00027	0.000298	0	9.02E-05	0.000658
0.178118	0.052226	0.222768	0.453112	0.007071	0.221297	1.522249	0.004264	2.207993
0.199313	0.00718	0	0.206493	0	0	0	0	0.206493
0.020092	0.008745	0.038266	0.067103	0.001078	0.036805	0.245181	0.000655	0.350822
0.076077	0.002898	0	0.078975	0	0	0	0	0.078975
3.496029	0	0.683959	4.179988	0.408458	0.251909	0.774753	0.251976	5.867084
1.362788	0	2.123924	3.486713	0.424841	0.714001	2.147706	0.443924	7.217185
0.013634	0	0	0.013634	0	0	0	0	0.013634
0	0	0	0	0.000118	0.000132	0	3.94E-05	0.000289
0.013598	0	0.000271	0.013869	0.002498	0.000173	0.004343	0.001035	0.021918
0.004577	0	0	0.004577	0	0	0	0	0.004577
0.070453	0.015912	0.071191	0.157555	0.000741	0.029346	0.157556	0.000467	0.345666
0.561077	0.008339	0	0.569416	0	0	0	0	0.569416
0.01279	0.003268	0.014253	0.030312	0.000225	0.002661	0.031745	0.000114	0.065056
0.036819	0.004442	0	0.041261	0	0	0	0	0.041261
0.003347	0.014919	0.001836	0.020102	4.71E-05	0.000406	0.002744	2.45E-05	0.023324
0.013965	0.001113	0	0.015078	0	0	0	0	0.015078
0.000722	0	0.000989	0.001711	1.29E-05	0.000177	0.001107	1.04E-05	0.003018
1.51E-06	0	0	1.51E-06	0	0	0	0	1.51E-06
0	0	0	0	0	0	0	0	0
0.044657	0	0	0.044657	0	0	0	0	0.044657

TOG_RUNE	TOG_IDLE	TOG_STRE	TOG_TOTE	TOG_DIUR	TOG_HTSK	TOG_RUNL	TOG_REST	TOG_TOTA
0.005597	0	1.95E-06	0.005599	5.35E-06	0.000204	0.001118	3.75E-06	0.00693
1.019759	0.326619	0	1.346377	0	0	0	0	1.346377
0.633821	0.00379	0	0.637611	0	0	0	0	0.637611
3.425144	0	5.627529	9.052673	1.184365	2.241553	4.592484	1.110702	18.18178
0.039583	0	0	0.039583	0	0	0	0	0.039583
0	0	0	0	0.001635	0.001785	0	0.000547	0.003968
1.075732	0	0.982531	2.058262	0.31788	0.493894	1.711973	0.264365	4.846374
0.001815	0	0	0.001815	0	0	0	0	0.001815
0	0	0	0	6.2E-05	6.72E-05	0	2.08E-05	0.00015
1.957896	0	2.666185	4.624081	0.542791	0.928118	2.99212	0.544548	9.631659
0.01036	0	0	0.01036	0	0	0	0	0.01036
0	0	0	0	0.00027	0.000298	0	9.02E-05	0.000658
0.25991	0.076208	0.243903	0.580021	0.007071	0.221297	1.522249	0.004264	2.334901
0.226905	0.008173	0	0.235078	0	0	0	0	0.235078
0.029318	0.012761	0.041896	0.083975	0.001078	0.036805	0.245181	0.000655	0.367695
0.086609	0.0033	0	0.089908	0	0	0	0	0.089908
4.331991	0	0.744377	5.076367	0.408458	0.251909	0.774753	0.251976	6.763463
1.904971	0	2.325171	4.230143	0.424841	0.714001	2.147706	0.443924	7.960615
0.015522	0	0	0.015522	0	0	0	0	0.015522
0	0	0	0	0.000118	0.000132	0	3.94E-05	0.000289
0.019842	0	0.000297	0.020138	0.002498	0.000173	0.004343	0.001035	0.028187
0.00521	0	0	0.00521	0	0	0	0	0.00521
0.102805	0.023219	0.077945	0.203968	0.000741	0.029346	0.157556	0.000467	0.392079
0.638743	0.009493	0	0.648236	0	0	0	0	0.648236
0.018664	0.004769	0.015606	0.039038	0.000225	0.002661	0.031745	0.000114	0.073782
0.041915	0.005057	0	0.046972	0	0	0	0	0.046972
0.004884	0.02177	0.00201	0.028664	4.71E-05	0.000406	0.002744	2.45E-05	0.031886
0.015898	0.001267	0	0.017165	0	0	0	0	0.017165
0.001054	0	0.001082	0.002136	1.29E-05	0.000177	0.001107	1.04E-05	0.003443
0.000108	0	0	0.000108	0	0	0	0	0.000108
0	0	0	0	0	0	0	0	0
3.179895	0	0	3.179895	0	0	0	0	3.179895

CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	NOx_RUNE	NOx_IDLEX	NOx_STREX	NOx_TOTEX	CO2_RUNE
0.23199	0	0.006722	0.238712	0.029145	0	0.001065	0.030211	13.45642
3.647091	3.639522	0	7.286614	30.65387	3.919626	1.17532	35.74882	11004.74
1.448119	0.053836	0	1.501956	0.40044	0.065995	0	0.466436	380.7354
133.0548	0	45.15232	178.2071	7.766387	0	4.068094	11.83448	47233.32
0.44594	0	0	0.44594	0.134058	0	0	0.134058	316.2088
0	0	0	0	0	0	0	0	0
30.19529	0	5.347053	35.54235	2.555332	0	0.633348	3.18868	6067.237
0.009293	0	0	0.009293	0.0087	0	0	0.0087	3.751066
0	0	0	0	0	0	0	0	0
64.22881	0	19.42267	83.65148	5.650428	0	2.195301	7.845728	20274.27
0.072928	0	0	0.072928	0.019777	0	0	0.019777	116.2857
0	0	0	0	0	0	0	0	0
4.219411	0.436398	3.077129	7.732937	0.989652	0.004561	0.912191	1.906405	3507.115
1.026917	0.059508	0	1.086425	4.090704	0.13184	0	4.222544	1342.521
0.50156	0.07294	0.514546	1.089046	0.161827	0.000763	0.156528	0.319118	648.6046
0.388916	0.024023	0	0.412939	1.513893	0.053695	0	1.567588	576.9795
25.77425	0	3.185765	28.96001	1.504714	0	0.098809	1.603524	297.1738
52.45822	0	15.72763	68.18585	4.928324	0	1.823695	6.752019	15549.93
0.225523	0	0	0.225523	0.042763	0	0	0.042763	307.4223
0	0	0	0	0	0	0	0	0
0.388986	0	0.006085	0.395071	0.080888	0	0.000673	0.081561	356.208
0.018682	0	0	0.018682	0.235792	0	0	0.235792	63.67884
1.793247	0.227941	1.546434	3.567621	0.482503	0.001417	0.11973	0.60365	1485.699
1.953546	0.174836	0	2.128382	11.78247	0.573979	1.003856	13.36031	4388.831
0.319807	0.02531	0.297388	0.642505	0.098763	0.000285	0.028831	0.127879	317.7878
0.133778	0.047821	0	0.181599	0.821963	0.074858	0.052353	0.949174	307.01
0.072532	0.115391	0.044164	0.232087	0.024332	0.0013	0.003339	0.028971	50.48645
0.039893	0.023939	0	0.063832	0.848522	0.158493	0.038421	1.045437	147.2291
0.013452	0	0.014387	0.027839	0.010858	0	0.001737	0.012595	74.43683
0.00018	0	0	0.00018	0.001084	0	0	0.001084	2.339996
0	0	0	0	0	0	0	0	0
22.90929	0	0	22.90929	0.391761	0	0	0.391761	953.4964

CO2_IDLEX	CO2_STRE	CO2_TOTE	CH4_RUNE	CH4_IDLEX	CH4_STRE	CH4_TOTE	PM10_RUN	PM10_IDLE
0	0.061731	13.51816	0.000735	0	3.37E-07	0.000735	8.67E-06	0
711.5948	0	11716.33	0.041606	0.013326	0	0.054932	0.372277	0.005628
11.22428	0	391.9597	0.581738	0.003544	0	0.585282	0.000809	0.000141
0	1144.838	48378.16	0.590412	0	1.123574	1.713985	0.309486	0
0	0	316.2088	0.001615	0	0	0.001615	0.016729	0
0	0	0	0	0	0	0	0	0
0	147.8996	6215.136	0.164697	0	0.176412	0.341109	0.053767	0
0	0	3.751066	7.41E-05	0	0	7.41E-05	0.001196	0
0	0	0	0	0	0	0	0	0
0	501.6504	20775.92	0.321963	0	0.515547	0.83751	0.113417	0
0	0	116.2857	0.000423	0	0	0.000423	0.002609	0
0	0	0	0	0	0	0	0	0
14.17945	33.07578	3554.37	0.036574	0.014678	0.045001	0.096252	0.005975	0
8.657622	0	1351.178	0.009258	0.000333	0	0.009591	0.041076	0.001826
2.731804	6.287315	657.6237	0.004444	0.002453	0.007726	0.014623	0.000874	0
5.615574	0	582.5951	0.003534	0.000135	0	0.003668	0.017446	0.000753
0	22.4686	319.6424	0.50806	0	0.088388	0.596448	0.003173	0
0	412.6463	15962.57	0.290561	0	0.422822	0.713383	0.077154	0
0	0	307.4223	0.000633	0	0	0.000633	0.004735	0
0	0	0	0	0	0	0	0	0
0	0.05358	356.2616	0.003038	0	6.51E-05	0.003103	0.000325	0
0	0	63.67884	0.000213	0	0	0.000213	0.005371	0
8.749028	12.65212	1507.1	0.014371	0.004145	0.01318	0.031696	0.000974	0
61.26308	0	4450.094	0.026061	0.000387	0	0.026448	0.323094	0.001853
1.678674	2.359357	321.8258	0.002659	0.000861	0.0027	0.006221	0.000173	0
10.0674	0	317.0774	0.00171	0.000206	0	0.001916	0.018155	0.000292
3.676541	0.269301	54.43229	0.000677	0.003384	0.000318	0.00438	6.38E-05	0
13.74721	0	160.9763	0.000649	5.17E-05	0	0.0007	0.005125	0.000215
0	0.176294	74.61313	0.000216	0	0.000228	0.000444	3.54E-05	0
0	0	2.339996	0.000106	0	0	0.000106	7.99E-06	0
0	0	0	0	0	0	0	0	0
0	0	953.4964	3.115642	0	0	3.115642	0.001714	0

PM10_STR	PM10_TOT	PM10_PM	PM10_PMI	PM10_TOT	PM2_5_RU	PM2_5_IDI	PM2_5_STI	PM2_5_TO
1.19E-06	9.86E-06	0.000126	0.000387	0.000523	7.97E-06	0	1.09E-06	9.06E-06
0	0.377905	0.261834	0.449045	1.088784	0.356172	0.005385	0	0.361557
0	0.000951	0.003957	0.006786	0.011694	0.000774	0.000135	0	0.00091
0.040587	0.350073	1.328604	6.103276	7.781953	0.284568	0	0.037321	0.321889
0	0.016729	0.011448	0.052588	0.080765	0.016006	0	0	0.016006
0	0	0.023406	0.107522	0.130928	0	0	0	0
0.00645	0.060217	0.14733	0.676796	0.884343	0.049441	0	0.005931	0.055372
0	0.001196	6.35E-05	0.000292	0.001551	0.001144	0	0	0.001144
0	0	0.000879	0.004036	0.004914	0	0	0	0
0.014028	0.127445	0.454109	2.086062	2.667615	0.104287	0	0.012899	0.117186
0	0.002609	0.00309	0.014193	0.019892	0.002496	0	0	0.002496
0	0	0.00321	0.014745	0.017955	0	0	0	0
0.000776	0.006751	0.034187	0.326655	0.367592	0.005493	0	0.000714	0.006207
0	0.042902	0.034144	0.217496	0.294542	0.039299	0.001747	0	0.041046
0.00011	0.000983	0.005511	0.061436	0.06793	0.000803	0	0.000101	0.000904
0	0.018198	0.013263	0.09857	0.130031	0.016691	0.00072	0	0.017411
0.001261	0.004434	0.005314	0.015623	0.02537	0.002967	0	0.001188	0.004155
0.010526	0.08768	0.284379	1.306367	1.678426	0.071007	0	0.009686	0.080694
0	0.004735	0.00631	0.028985	0.04003	0.00453	0	0	0.00453
0	0	0.001453	0.006674	0.008127	0	0	0	0
8.17E-07	0.000325	0.002516	0.027331	0.030173	0.000298	0	7.51E-07	0.000299
0	0.005371	0.001041	0.008479	0.01489	0.005139	0	0	0.005139
0.000147	0.001121	0.010455	0.113562	0.125138	0.000895	0	0.000135	0.001031
0	0.324948	0.053345	0.57942	0.957713	0.309117	0.001773	0	0.31089
2.37E-05	0.000197	0.002214	0.024051	0.026461	0.000159	0	2.18E-05	0.000181
0	0.018447	0.003037	0.032984	0.054467	0.017369	0.00028	0	0.017649
2.47E-06	6.63E-05	0.000461	0.042901	0.043428	5.86E-05	0	2.27E-06	6.09E-05
0	0.00534	0.001433	0.088963	0.095737	0.004903	0.000206	0	0.005109
7.61E-07	3.62E-05	0.00041	0.004467	0.004913	3.26E-05	0	7E-07	3.33E-05
0	7.99E-06	4.69E-05	8.04E-05	0.000135	7.65E-06	0	0	7.65E-06
0	0	1.42E-05	0.000154	0.000168	0	0	0	0
0	0.001714	0.016028	0.03292	0.050662	0.00164	0	0	0.00164

PM2_5_PM	PM2_5_PM	PM2_5_TO	SOx_RUNE	SOx_IDLE	SOx_STREX	SOx_TOTE	N2O_RUNE	N2O_IDLE
3.14E-05	0.000166	0.000207	0.000133	0	6.11E-07	0.000134	0.000996	0
0.065458	0.192448	0.619463	0.103967	0.006723	0	0.11069	1.729791	0.111853
0.000989	0.002908	0.004807	0	0	0	0	0.077615	0.002288
0.332151	2.61569	3.269729	0.467412	0	0.011329	0.478741	0.838553	0
0.002862	0.022538	0.041405	0.002989	0	0	0.002989	0.049704	0
0.005852	0.046081	0.051932	0	0	0	0	0	0
0.036832	0.290056	0.38226	0.06004	0	0.001464	0.061504	0.182225	0
1.59E-05	0.000125	0.001285	3.55E-05	0	0	3.55E-05	0.00059	0
0.00022	0.00173	0.001949	0	0	0	0	0	0
0.113527	0.894027	1.12474	0.20063	0	0.004964	0.205595	0.444601	0
0.000772	0.006083	0.009351	0.001099	0	0	0.001099	0.018278	0
0.000802	0.006319	0.007122	0	0	0	0	0	0
0.008547	0.139995	0.154749	0.034706	0.00014	0.000327	0.035173	0.05919	0.00038
0.008536	0.093213	0.142794	0.012692	8.18E-05	0	0.012773	0.211026	0.001361
0.001378	0.02633	0.028611	0.006418	2.7E-05	6.22E-05	0.006508	0.010269	6.16E-05
0.003316	0.042244	0.062971	0.005455	5.31E-05	0	0.005508	0.090693	0.000883
0.001328	0.006695	0.012178	0.002941	0	0.000222	0.003163	0.087016	0
0.071095	0.559872	0.71166	0.153879	0	0.004083	0.157963	0.357982	0
0.001577	0.012422	0.01853	0.002906	0	0	0.002906	0.048323	0
0.000363	0.00286	0.003224	0	0	0	0	0	0
0.000629	0.011713	0.012642	0.003525	0	5.3E-07	0.003525	0.005013	0
0.00026	0.003634	0.009033	0.000602	0	0	0.000602	0.010009	0
0.002614	0.048669	0.052314	0.014702	8.66E-05	0.000125	0.014914	0.023383	0.000119
0.013336	0.248323	0.57255	0.041464	0.000579	0	0.042042	0.689863	0.00963
0.000554	0.010307	0.011042	0.003145	1.66E-05	2.33E-05	0.003185	0.004738	2.38E-05
0.000759	0.014136	0.032544	0.0029	9.51E-05	0	0.002996	0.048258	0.001582
0.000115	0.018386	0.018562	0.0005	3.64E-05	2.66E-06	0.000539	0.001401	0.000121
0.000358	0.038127	0.043595	0.001391	0.00013	0	0.001521	0.023142	0.002161
0.000102	0.001914	0.00205	0.000737	0	1.74E-06	0.000738	0.00089	0
1.17E-05	3.45E-05	5.38E-05	2.21E-05	0	0	2.21E-05	0.000368	0
3.54E-06	6.59E-05	6.94E-05	0	0	0	0	0	0
0.004007	0.014108	0.019756	0	0	0	0	0.194376	0

N2O_STRE: N2O_TOTE Fuel Consumption

2.78E-05	0.001023	1.426885
0	1.841644	1044.195
0	0.079904	45.30456
0.540825	1.379379	5106.469
0	0.049704	28.18148
0	0	0
0.067409	0.249634	656.0275
0	0.00059	0.334306
0	0	0
0.238767	0.683368	2192.965
0	0.018278	10.36374
0	0	0
0.073399	0.132969	375.1752
0	0.212386	120.4211
0.012222	0.022553	69.41429
0	0.091576	51.92264
0.005646	0.092662	33.73928
0.175255	0.533236	1684.901
0	0.048323	27.39841
0	0	0
7.3E-05	0.005086	37.60455
0	0.010009	5.675251
0.009248	0.032751	159.0793
0	0.699493	396.6059
0.002219	0.00698	33.96975
0	0.04984	28.2589
0.000306	0.001828	5.745502
0	0.025303	14.3467
0.000147	0.001037	7.875655
0	0.000368	0.208548
0	0	0
0	0.194376	110.2096

Control Pathway

AERMOD

Dispersion Options

Titles C:\Lakes\DuarteStation_Ground_20190702\DuarteStation_Ground_20190702	
Dispersion Options <input checked="" type="checkbox"/> Regulatory Default <input type="checkbox"/> Non-Default Options	Dispersion Coefficient Urban Population: Name (Optional): Roughness Length:
	Output Type <input checked="" type="checkbox"/> Concentration <input type="checkbox"/> Total Deposition (Dry & Wet) <input type="checkbox"/> Dry Deposition <input type="checkbox"/> Wet Deposition
	Plume Depletion <input type="checkbox"/> Dry Removal <input type="checkbox"/> Wet Removal
	Output Warnings <input type="checkbox"/> No Output Warnings <input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type PM10	Exponential Decay <input type="checkbox"/> Half-life of 4 hrs will be used
Averaging Time Options Hours <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24 <input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual	Terrain Height Options <input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated SO: Meters RE: Meters TG: Meters
Flagpole Receptors <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Default Height = 0.00 m	

Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

Detailed Error Listing File

Filename: DuarteStation_Ground_20190711.err

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: T:\CASE\Env\13837_Duarte Station SP\SCAQMD_MetData\AZUS_V9_ADJU\AZUS_v9.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: T:\CASE\Env\13837_Duarte Station SP\SCAQMD_MetData\AZUS_V9_ADJU\AZUS_v9.PFL
Format Type: Default AERMET format

Wind Speed



Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 158.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2012			
Upper Air		2012			

Data Period

Data Period to Process

Start Date: 1/1/2012 Start Hour: 1 End Date: 12/31/2016 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Source Pathway - Source Inputs

AERMOD

Area Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m ²)]	Length of X Side [m]	Length of Y Side [m]	Orientation Angle from North [deg]	Initial Vertical Dim. [m]
AREA	AREA1	410188.74 I210	3777583.15	150.37	3.28	2.82E-8	1011.77	46.05	0.00	

Source Pathway

AERMOD

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Results Summary

C:\Lakes\DuarteStation_Ground_20190702\DuarteStation_Ground_20190702

PM10 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.10542	ug/m^3	410677.47	3777574.86	151.53	0.00	155.79	

Control Pathway

AERMOD

Dispersion Options

Titles C:\Lakes\DuarteStation_10m_20190711\DuarteStation_10m_20190711.isc	
Dispersion Options <input checked="" type="checkbox"/> Regulatory Default <input type="checkbox"/> Non-Default Options	Dispersion Coefficient Urban Population: Name (Optional): Roughness Length:
	Output Type <input checked="" type="checkbox"/> Concentration <input type="checkbox"/> Total Deposition (Dry & Wet) <input type="checkbox"/> Dry Deposition <input type="checkbox"/> Wet Deposition
	Plume Depletion <input type="checkbox"/> Dry Removal <input type="checkbox"/> Wet Removal
	Output Warnings <input type="checkbox"/> No Output Warnings <input type="checkbox"/> Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type PM10	Exponential Decay <input checked="" type="checkbox"/> Half-life of 4 hrs will be used
Averaging Time Options Hours <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 12 <input type="checkbox"/> 24 <input type="checkbox"/> Month <input checked="" type="checkbox"/> Period <input type="checkbox"/> Annual	Terrain Height Options <input type="checkbox"/> Flat <input checked="" type="checkbox"/> Elevated SO: Meters RE: Meters TG: Meters
Flagpole Receptors <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Default Height = 10.00 m	

Optional Files



Re-Start File



Init File



Multi-Year Analyses



Event Input File



Error Listing File

Detailed Error Listing File

Filename: DuarteStation_10m_20190711.err

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: T:\CASE\Env\13837_Duarte Station SP\SCAQMD_MetData\AZUS_V9_ADJU\AZUS_v9.SFC
Format Type: Default AERMET format

Profile Met Data

Filename: T:\CASE\Env\13837_Duarte Station SP\SCAQMD_MetData\AZUS_V9_ADJU\AZUS_v9.PFL
Format Type: Default AERMET format

Wind Speed



Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 158.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2012			
Upper Air		2012			

Data Period

Data Period to Process

Start Date: 1/1/2012 Start Hour: 1 End Date: 12/31/2016 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Receptor Pathway

AERMOD

Receptor Networks

Note: Terrain Elevations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	410862.95	3777547.35	FENCEGRD	151.17	
2	410862.89	3777542.43	FENCEGRD	151.27	
3	410862.82	3777537.51	FENCEGRD	151.18	
4	410862.76	3777532.58	FENCEGRD	151.04	
5	410862.70	3777527.66	FENCEGRD	150.99	
6	410862.64	3777522.74	FENCEGRD	150.97	
7	410862.57	3777517.82	FENCEGRD	150.95	
8	410862.51	3777512.90	FENCEGRD	150.91	
9	410862.45	3777507.98	FENCEGRD	150.89	
10	410862.38	3777503.06	FENCEGRD	150.87	
11	410862.32	3777498.14	FENCEGRD	150.84	
12	410862.26	3777493.22	FENCEGRD	150.81	
13	410862.20	3777488.30	FENCEGRD	150.77	
14	410862.13	3777483.38	FENCEGRD	150.75	
15	410862.07	3777478.46	FENCEGRD	150.72	
16	410862.01	3777473.54	FENCEGRD	150.67	
17	410861.95	3777468.62	FENCEGRD	150.63	
18	410861.88	3777463.70	FENCEGRD	150.60	
19	410861.82	3777458.78	FENCEGRD	150.57	
20	410861.76	3777453.86	FENCEGRD	150.59	
21	410861.69	3777448.94	FENCEGRD	150.62	
22	410861.63	3777444.01	FENCEGRD	150.59	
23	410861.57	3777439.09	FENCEGRD	150.57	
24	410861.51	3777434.17	FENCEGRD	150.51	
25	410861.44	3777429.25	FENCEGRD	150.45	
26	410861.38	3777424.33	FENCEGRD	150.43	
27	410861.32	3777419.41	FENCEGRD	150.40	
28	410861.25	3777414.49	FENCEGRD	150.38	
29	410861.19	3777409.57	FENCEGRD	150.34	
30	410861.13	3777404.65	FENCEGRD	150.31	

Receptor Pathway

AERMOD

31	410861.07	3777399.73	FENCEGRD	150.28
32	410861.00	3777394.81	FENCEGRD	150.25
33	410860.94	3777389.89	FENCEGRD	150.22
34	410860.88	3777384.97	FENCEGRD	150.19
35	410860.82	3777380.05	FENCEGRD	150.16
36	410860.75	3777375.13	FENCEGRD	150.13
37	410860.69	3777370.21	FENCEGRD	150.10
38	410860.63	3777365.29	FENCEGRD	150.07
39	410860.56	3777360.37	FENCEGRD	150.04
40	410860.50	3777355.44	FENCEGRD	150.02
41	410860.44	3777350.52	FENCEGRD	149.99
42	410860.38	3777345.60	FENCEGRD	149.97
43	410860.31	3777340.68	FENCEGRD	149.97
44	410860.25	3777335.76	FENCEGRD	149.96
45	410860.19	3777330.84	FENCEGRD	149.89
46	410860.12	3777325.92	FENCEGRD	149.83
47	410860.06	3777321.00	FENCEGRD	149.83
48	410860.00	3777316.08	FENCEGRD	149.83
49	410859.94	3777311.16	FENCEGRD	149.82
50	410859.87	3777306.24	FENCEGRD	149.81
51	410859.81	3777301.32	FENCEGRD	149.83
52	410859.75	3777296.40	FENCEGRD	149.85
53	410859.69	3777291.48	FENCEGRD	149.87
54	410859.62	3777286.56	FENCEGRD	149.89
55	410859.56	3777281.64	FENCEGRD	149.90
56	410866.53	3777550.83	FENCEGRD	151.07
57	410861.60	3777555.90	FENCEGRD	151.19
58	410867.89	3777542.36	FENCEGRD	151.07
59	410867.82	3777537.44	FENCEGRD	151.05
60	410867.76	3777532.52	FENCEGRD	151.03
61	410867.70	3777527.60	FENCEGRD	151.01
62	410867.64	3777522.68	FENCEGRD	150.98
63	410867.57	3777517.76	FENCEGRD	150.95
64	410867.51	3777512.84	FENCEGRD	150.92
65	410867.45	3777507.92	FENCEGRD	150.89
66	410867.38	3777503.00	FENCEGRD	150.85
67	410867.32	3777498.08	FENCEGRD	150.82
68	410867.26	3777493.16	FENCEGRD	150.80

Receptor Pathway

AERMOD

69	410867.20	3777488.24	FENCEGRD	150.77
70	410867.13	3777483.32	FENCEGRD	150.74
71	410867.07	3777478.39	FENCEGRD	150.71
72	410867.01	3777473.47	FENCEGRD	150.68
73	410866.94	3777468.55	FENCEGRD	150.65
74	410866.88	3777463.63	FENCEGRD	150.62
75	410866.82	3777458.71	FENCEGRD	150.59
76	410866.76	3777453.79	FENCEGRD	150.57
77	410866.69	3777448.87	FENCEGRD	150.54
78	410866.63	3777443.95	FENCEGRD	150.51
79	410866.57	3777439.03	FENCEGRD	150.49
80	410866.51	3777434.11	FENCEGRD	150.45
81	410866.44	3777429.19	FENCEGRD	150.41
82	410866.38	3777424.27	FENCEGRD	150.38
83	410866.32	3777419.35	FENCEGRD	150.35
84	410866.25	3777414.43	FENCEGRD	150.32
85	410866.19	3777409.51	FENCEGRD	150.30
86	410866.13	3777404.59	FENCEGRD	150.28
87	410866.07	3777399.67	FENCEGRD	150.26
88	410866.00	3777394.75	FENCEGRD	150.24
89	410865.94	3777389.82	FENCEGRD	150.21
90	410865.88	3777384.90	FENCEGRD	150.19
91	410865.81	3777379.98	FENCEGRD	150.15
92	410865.75	3777375.06	FENCEGRD	150.13
93	410865.69	3777370.14	FENCEGRD	150.10
94	410865.63	3777365.22	FENCEGRD	150.08
95	410865.56	3777360.30	FENCEGRD	150.04
96	410865.50	3777355.38	FENCEGRD	150.01
97	410865.44	3777350.46	FENCEGRD	149.98
98	410865.38	3777345.54	FENCEGRD	149.96
99	410865.31	3777340.62	FENCEGRD	149.94
100	410865.25	3777335.70	FENCEGRD	149.91
101	410865.19	3777330.78	FENCEGRD	149.89
102	410865.12	3777325.86	FENCEGRD	149.86
103	410865.06	3777320.94	FENCEGRD	149.83
104	410865.00	3777316.02	FENCEGRD	149.79
105	410864.94	3777311.10	FENCEGRD	149.80
106	410864.87	3777306.18	FENCEGRD	149.81

Receptor Pathway

AERMOD

107	410864.81	3777301.25	FENCEGRD	149.84
108	410864.75	3777296.33	FENCEGRD	149.87
109	410864.68	3777291.41	FENCEGRD	149.89
110	410864.62	3777286.49	FENCEGRD	149.92
111	410864.56	3777281.57	FENCEGRD	149.94
112	410871.53	3777550.77	FENCEGRD	151.24
113	410865.18	3777559.39	FENCEGRD	151.14
114	410872.89	3777542.30	FENCEGRD	151.23
115	410872.82	3777537.38	FENCEGRD	151.20
116	410872.76	3777532.46	FENCEGRD	151.18
117	410872.70	3777527.54	FENCEGRD	151.15
118	410872.63	3777522.62	FENCEGRD	151.12
119	410872.57	3777517.70	FENCEGRD	151.09
120	410872.51	3777512.77	FENCEGRD	151.06
121	410872.45	3777507.85	FENCEGRD	151.03
122	410872.38	3777502.93	FENCEGRD	151.00
123	410872.32	3777498.01	FENCEGRD	150.96
124	410872.26	3777493.09	FENCEGRD	150.93
125	410872.20	3777488.17	FENCEGRD	150.90
126	410872.13	3777483.25	FENCEGRD	150.87
127	410872.07	3777478.33	FENCEGRD	150.83
128	410872.01	3777473.41	FENCEGRD	150.79
129	410871.94	3777468.49	FENCEGRD	150.76
130	410871.88	3777463.57	FENCEGRD	150.73
131	410871.82	3777458.65	FENCEGRD	150.70
132	410871.76	3777453.73	FENCEGRD	150.68
133	410871.69	3777448.81	FENCEGRD	150.66
134	410871.63	3777443.89	FENCEGRD	150.64
135	410871.57	3777438.97	FENCEGRD	150.61
136	410871.50	3777434.05	FENCEGRD	150.58
137	410871.44	3777429.13	FENCEGRD	150.55
138	410871.38	3777424.20	FENCEGRD	150.51
139	410871.32	3777419.28	FENCEGRD	150.48
140	410871.25	3777414.36	FENCEGRD	150.44
141	410871.19	3777409.44	FENCEGRD	150.41
142	410871.13	3777404.52	FENCEGRD	150.39
143	410871.07	3777399.60	FENCEGRD	150.37
144	410871.00	3777394.68	FENCEGRD	150.34

Receptor Pathway

AERMOD

145	410870.94	3777389.76	FENCEGRD	150.32
146	410870.88	3777384.84	FENCEGRD	150.29
147	410870.81	3777379.92	FENCEGRD	150.25
148	410870.75	3777375.00	FENCEGRD	150.22
149	410870.69	3777370.08	FENCEGRD	150.20
150	410870.63	3777365.16	FENCEGRD	150.17
151	410870.56	3777360.24	FENCEGRD	150.13
152	410870.50	3777355.32	FENCEGRD	150.10
153	410870.44	3777350.40	FENCEGRD	150.08
154	410870.37	3777345.48	FENCEGRD	150.05
155	410870.31	3777340.56	FENCEGRD	150.03
156	410870.25	3777335.63	FENCEGRD	150.00
157	410870.19	3777330.71	FENCEGRD	149.97
158	410870.12	3777325.79	FENCEGRD	149.94
159	410870.06	3777320.87	FENCEGRD	149.91
160	410870.00	3777315.95	FENCEGRD	149.89
161	410869.94	3777311.03	FENCEGRD	149.93
162	410869.87	3777306.11	FENCEGRD	149.99
163	410869.81	3777301.19	FENCEGRD	150.03
164	410869.75	3777296.27	FENCEGRD	150.07
165	410869.68	3777291.35	FENCEGRD	150.09
166	410869.62	3777286.43	FENCEGRD	150.12
167	410869.56	3777281.51	FENCEGRD	150.09
168	410876.53	3777550.71	FENCEGRD	151.30
169	410873.69	3777557.81	FENCEGRD	151.37
170	410868.76	3777562.88	FENCEGRD	151.22
171	410861.73	3777565.90	FENCEGRD	151.53
172	410877.89	3777542.23	FENCEGRD	151.22
173	410877.82	3777537.31	FENCEGRD	151.19
174	410877.76	3777532.39	FENCEGRD	151.17
175	410877.70	3777527.47	FENCEGRD	151.15
176	410877.63	3777522.55	FENCEGRD	151.12
177	410877.57	3777517.63	FENCEGRD	151.09
178	410877.51	3777512.71	FENCEGRD	151.05
179	410877.45	3777507.79	FENCEGRD	151.01
180	410877.38	3777502.87	FENCEGRD	150.98
181	410877.32	3777497.95	FENCEGRD	150.94
182	410877.26	3777493.03	FENCEGRD	150.91

Receptor Pathway

AERMOD

183	410877.20	3777488.11	FENCEGRD	150.88
184	410877.13	3777483.19	FENCEGRD	150.85
185	410877.07	3777478.27	FENCEGRD	150.82
186	410877.01	3777473.35	FENCEGRD	150.78
187	410876.94	3777468.43	FENCEGRD	150.75
188	410876.88	3777463.51	FENCEGRD	150.71
189	410876.82	3777458.58	FENCEGRD	150.68
190	410876.76	3777453.66	FENCEGRD	150.66
191	410876.69	3777448.74	FENCEGRD	150.64
192	410876.63	3777443.82	FENCEGRD	150.61
193	410876.57	3777438.90	FENCEGRD	150.59
194	410876.50	3777433.98	FENCEGRD	150.56
195	410876.44	3777429.06	FENCEGRD	150.53
196	410876.38	3777424.14	FENCEGRD	150.50
197	410876.32	3777419.22	FENCEGRD	150.47
198	410876.25	3777414.30	FENCEGRD	150.44
199	410876.19	3777409.38	FENCEGRD	150.41
200	410876.13	3777404.46	FENCEGRD	150.38
201	410876.07	3777399.54	FENCEGRD	150.36
202	410876.00	3777394.62	FENCEGRD	150.33
203	410875.94	3777389.70	FENCEGRD	150.30
204	410875.88	3777384.78	FENCEGRD	150.27
205	410875.81	3777379.86	FENCEGRD	150.24
206	410875.75	3777374.94	FENCEGRD	150.21
207	410875.69	3777370.01	FENCEGRD	150.18
208	410875.63	3777365.09	FENCEGRD	150.15
209	410875.56	3777360.17	FENCEGRD	150.11
210	410875.50	3777355.25	FENCEGRD	150.08
211	410875.44	3777350.33	FENCEGRD	150.04
212	410875.37	3777345.41	FENCEGRD	150.02
213	410875.31	3777340.49	FENCEGRD	150.01
214	410875.25	3777335.57	FENCEGRD	150.01
215	410875.19	3777330.65	FENCEGRD	149.96
216	410875.12	3777325.73	FENCEGRD	149.92
217	410875.06	3777320.81	FENCEGRD	149.89
218	410875.00	3777315.89	FENCEGRD	149.86
219	410874.94	3777310.97	FENCEGRD	149.91
220	410874.87	3777306.05	FENCEGRD	149.97

Receptor Pathway

AERMOD

221	410874.81	3777301.13	FENCEGRD	150.03
222	410874.75	3777296.21	FENCEGRD	150.08
223	410874.68	3777291.29	FENCEGRD	150.12
224	410874.62	3777286.37	FENCEGRD	150.15
225	410874.56	3777281.44	FENCEGRD	150.12
226	410881.18	3777551.53	FENCEGRD	151.22
227	410879.40	3777555.97	FENCEGRD	151.29
228	410877.63	3777560.41	FENCEGRD	151.36
229	410871.47	3777566.74	FENCEGRD	151.35
230	410867.07	3777568.63	FENCEGRD	151.20
231	410862.68	3777570.52	FENCEGRD	151.66
232	410882.95	3777547.09	FENCEGRD	151.15
233	410882.89	3777542.17	FENCEGRD	151.12
234	410882.82	3777537.25	FENCEGRD	151.10
235	410882.76	3777532.33	FENCEGRD	151.08
236	410882.70	3777527.41	FENCEGRD	151.06
237	410882.63	3777522.49	FENCEGRD	151.04
238	410882.57	3777517.57	FENCEGRD	151.00
239	410882.51	3777512.65	FENCEGRD	150.96
240	410882.45	3777507.73	FENCEGRD	150.91
241	410882.38	3777502.81	FENCEGRD	150.87
242	410882.32	3777497.89	FENCEGRD	150.83
243	410882.26	3777492.96	FENCEGRD	150.80
244	410882.19	3777488.04	FENCEGRD	150.77
245	410882.13	3777483.12	FENCEGRD	150.75
246	410882.07	3777478.20	FENCEGRD	150.73
247	410882.01	3777473.28	FENCEGRD	150.70
248	410881.94	3777468.36	FENCEGRD	150.66
249	410881.88	3777463.44	FENCEGRD	150.62
250	410881.82	3777458.52	FENCEGRD	150.59
251	410881.76	3777453.60	FENCEGRD	150.56
252	410881.69	3777448.68	FENCEGRD	150.54
253	410881.63	3777443.76	FENCEGRD	150.50
254	410881.57	3777438.84	FENCEGRD	150.46
255	410881.50	3777433.92	FENCEGRD	150.44
256	410881.44	3777429.00	FENCEGRD	150.42
257	410881.38	3777424.08	FENCEGRD	150.39
258	410881.32	3777419.16	FENCEGRD	150.37

Receptor Pathway

AERMOD

259	410881.25	3777414.24	FENCEGRD	150.36
260	410881.19	3777409.32	FENCEGRD	150.34
261	410881.13	3777404.39	FENCEGRD	150.30
262	410881.06	3777399.47	FENCEGRD	150.26
263	410881.00	3777394.55	FENCEGRD	150.22
264	410880.94	3777389.63	FENCEGRD	150.18
265	410880.88	3777384.71	FENCEGRD	150.16
266	410880.81	3777379.79	FENCEGRD	150.15
267	410880.75	3777374.87	FENCEGRD	150.12
268	410880.69	3777369.95	FENCEGRD	150.07
269	410880.63	3777365.03	FENCEGRD	150.03
270	410880.56	3777360.11	FENCEGRD	149.99
271	410880.50	3777355.19	FENCEGRD	149.96
272	410880.44	3777350.27	FENCEGRD	149.91
273	410880.37	3777345.35	FENCEGRD	149.88
274	410880.31	3777340.43	FENCEGRD	149.91
275	410880.25	3777335.51	FENCEGRD	149.93
276	410880.19	3777330.59	FENCEGRD	149.86
277	410880.12	3777325.67	FENCEGRD	149.80
278	410880.06	3777320.75	FENCEGRD	149.77
279	410880.00	3777315.82	FENCEGRD	149.74
280	410879.93	3777310.90	FENCEGRD	149.76
281	410879.87	3777305.98	FENCEGRD	149.78
282	410879.81	3777301.06	FENCEGRD	149.84
283	410879.75	3777296.14	FENCEGRD	149.91
284	410879.68	3777291.22	FENCEGRD	149.97
285	410879.62	3777286.30	FENCEGRD	150.02
286	410879.56	3777281.38	FENCEGRD	150.06
287	410854.59	3777276.70	FENCEGRD	149.87
288	410849.62	3777276.67	FENCEGRD	149.72
289	410844.65	3777276.65	FENCEGRD	149.61
290	410839.68	3777276.62	FENCEGRD	149.56
291	410834.72	3777276.59	FENCEGRD	149.52
292	410829.75	3777276.56	FENCEGRD	149.49
293	410824.78	3777276.54	FENCEGRD	149.46
294	410819.81	3777276.51	FENCEGRD	149.42
295	410814.84	3777276.48	FENCEGRD	149.39
296	410809.88	3777276.45	FENCEGRD	149.35

Receptor Pathway

AERMOD

297	410804.91	3777276.43	FENCEGRD	149.31
298	410799.94	3777276.40	FENCEGRD	149.26
299	410794.97	3777276.37	FENCEGRD	149.21
300	410790.00	3777276.34	FENCEGRD	149.14
301	410785.03	3777276.32	FENCEGRD	149.08
302	410780.07	3777276.29	FENCEGRD	149.03
303	410775.10	3777276.26	FENCEGRD	148.99
304	410770.13	3777276.23	FENCEGRD	148.95
305	410765.16	3777276.21	FENCEGRD	148.90
306	410760.19	3777276.18	FENCEGRD	148.85
307	410755.23	3777276.15	FENCEGRD	148.83
308	410750.26	3777276.13	FENCEGRD	148.80
309	410745.29	3777276.10	FENCEGRD	148.75
310	410740.32	3777276.07	FENCEGRD	148.71
311	410735.35	3777276.04	FENCEGRD	148.67
312	410730.39	3777276.02	FENCEGRD	148.62
313	410725.42	3777275.99	FENCEGRD	148.58
314	410720.45	3777275.96	FENCEGRD	148.54
315	410715.48	3777275.93	FENCEGRD	148.49
316	410710.51	3777275.91	FENCEGRD	148.44
317	410705.55	3777275.88	FENCEGRD	148.39
318	410700.58	3777275.85	FENCEGRD	148.35
319	410695.61	3777275.82	FENCEGRD	148.32
320	410690.64	3777275.80	FENCEGRD	148.28
321	410685.67	3777275.77	FENCEGRD	148.24
322	410680.71	3777275.74	FENCEGRD	148.18
323	410675.74	3777275.72	FENCEGRD	148.12
324	410670.77	3777275.69	FENCEGRD	148.07
325	410665.80	3777275.66	FENCEGRD	148.03
326	410660.83	3777275.63	FENCEGRD	148.00
327	410655.87	3777275.61	FENCEGRD	147.96
328	410650.90	3777275.58	FENCEGRD	147.91
329	410645.93	3777275.55	FENCEGRD	147.86
330	410640.96	3777275.52	FENCEGRD	147.82
331	410635.99	3777275.50	FENCEGRD	147.78
332	410631.03	3777275.47	FENCEGRD	147.72
333	410626.06	3777275.44	FENCEGRD	147.66
334	410621.09	3777275.41	FENCEGRD	147.61

Receptor Pathway

AERMOD

335	410616.12	3777275.39	FENCEGRD	147.57
336	410611.15	3777275.36	FENCEGRD	147.50
337	410606.18	3777275.33	FENCEGRD	147.43
338	410601.22	3777275.30	FENCEGRD	147.37
339	410596.25	3777275.28	FENCEGRD	147.31
340	410591.28	3777275.25	FENCEGRD	147.25
341	410586.31	3777275.22	FENCEGRD	147.18
342	410581.34	3777275.20	FENCEGRD	147.11
343	410576.38	3777275.17	FENCEGRD	147.01
344	410571.41	3777275.14	FENCEGRD	146.92
345	410566.44	3777275.11	FENCEGRD	146.85
346	410561.47	3777275.09	FENCEGRD	146.80
347	410556.50	3777275.06	FENCEGRD	146.76
348	410551.54	3777275.03	FENCEGRD	146.69
349	410546.57	3777275.00	FENCEGRD	146.62
350	410541.60	3777274.98	FENCEGRD	146.49
351	410536.63	3777274.95	FENCEGRD	146.36
352	410531.66	3777274.92	FENCEGRD	146.22
353	410526.70	3777274.89	FENCEGRD	146.13
354	410521.73	3777274.87	FENCEGRD	146.07
355	410516.76	3777274.84	FENCEGRD	146.04
356	410511.79	3777274.81	FENCEGRD	146.00
357	410506.82	3777274.78	FENCEGRD	145.93
358	410501.86	3777274.76	FENCEGRD	145.89
359	410496.89	3777274.73	FENCEGRD	145.85
360	410858.11	3777273.15	FENCEGRD	149.91
361	410849.65	3777271.67	FENCEGRD	149.71
362	410844.68	3777271.65	FENCEGRD	149.58
363	410839.71	3777271.62	FENCEGRD	149.51
364	410834.74	3777271.59	FENCEGRD	149.45
365	410829.77	3777271.56	FENCEGRD	149.41
366	410824.81	3777271.54	FENCEGRD	149.37
367	410819.84	3777271.51	FENCEGRD	149.33
368	410814.87	3777271.48	FENCEGRD	149.28
369	410809.90	3777271.45	FENCEGRD	149.23
370	410804.93	3777271.43	FENCEGRD	149.17
371	410799.97	3777271.40	FENCEGRD	149.13
372	410795.00	3777271.37	FENCEGRD	149.09

Receptor Pathway

AERMOD

373	410790.03	3777271.34	FENCEGRD	149.02
374	410785.06	3777271.32	FENCEGRD	148.95
375	410780.09	3777271.29	FENCEGRD	148.91
376	410775.13	3777271.26	FENCEGRD	148.87
377	410770.16	3777271.24	FENCEGRD	148.83
378	410765.19	3777271.21	FENCEGRD	148.78
379	410760.22	3777271.18	FENCEGRD	148.73
380	410755.25	3777271.15	FENCEGRD	148.69
381	410750.29	3777271.13	FENCEGRD	148.64
382	410745.32	3777271.10	FENCEGRD	148.58
383	410740.35	3777271.07	FENCEGRD	148.55
384	410735.38	3777271.04	FENCEGRD	148.52
385	410730.41	3777271.02	FENCEGRD	148.47
386	410725.45	3777270.99	FENCEGRD	148.43
387	410720.48	3777270.96	FENCEGRD	148.40
388	410715.51	3777270.93	FENCEGRD	148.36
389	410710.54	3777270.91	FENCEGRD	148.32
390	410705.57	3777270.88	FENCEGRD	148.32
391	410700.61	3777270.85	FENCEGRD	148.33
392	410695.64	3777270.82	FENCEGRD	148.33
393	410690.67	3777270.80	FENCEGRD	148.28
394	410685.70	3777270.77	FENCEGRD	148.15
395	410680.73	3777270.74	FENCEGRD	148.05
396	410675.77	3777270.72	FENCEGRD	147.95
397	410670.80	3777270.69	FENCEGRD	147.94
398	410665.83	3777270.66	FENCEGRD	147.93
399	410660.86	3777270.63	FENCEGRD	147.90
400	410655.89	3777270.61	FENCEGRD	147.86
401	410650.92	3777270.58	FENCEGRD	147.82
402	410645.96	3777270.55	FENCEGRD	147.77
403	410640.99	3777270.52	FENCEGRD	147.71
404	410636.02	3777270.50	FENCEGRD	147.68
405	410631.05	3777270.47	FENCEGRD	147.64
406	410626.08	3777270.44	FENCEGRD	147.58
407	410621.12	3777270.41	FENCEGRD	147.53
408	410616.15	3777270.39	FENCEGRD	147.48
409	410611.18	3777270.36	FENCEGRD	147.44
410	410606.21	3777270.33	FENCEGRD	147.40

Receptor Pathway

AERMOD

411	410601.24	3777270.30	FENCEGRD	147.36
412	410596.28	3777270.28	FENCEGRD	147.31
413	410591.31	3777270.25	FENCEGRD	147.26
414	410586.34	3777270.22	FENCEGRD	147.21
415	410581.37	3777270.20	FENCEGRD	147.16
416	410576.40	3777270.17	FENCEGRD	147.09
417	410571.44	3777270.14	FENCEGRD	147.02
418	410566.47	3777270.11	FENCEGRD	146.94
419	410561.50	3777270.09	FENCEGRD	146.88
420	410556.53	3777270.06	FENCEGRD	146.83
421	410551.56	3777270.03	FENCEGRD	146.77
422	410546.60	3777270.00	FENCEGRD	146.70
423	410541.63	3777269.98	FENCEGRD	146.62
424	410536.66	3777269.95	FENCEGRD	146.53
425	410531.69	3777269.92	FENCEGRD	146.43
426	410526.72	3777269.89	FENCEGRD	146.36
427	410521.76	3777269.87	FENCEGRD	146.30
428	410516.79	3777269.84	FENCEGRD	146.26
429	410511.82	3777269.81	FENCEGRD	146.21
430	410506.85	3777269.78	FENCEGRD	146.14
431	410501.88	3777269.76	FENCEGRD	146.08
432	410496.92	3777269.73	FENCEGRD	146.02
433	410858.14	3777268.15	FENCEGRD	149.91
434	410866.60	3777274.54	FENCEGRD	149.98
435	410849.67	3777266.67	FENCEGRD	149.72
436	410844.71	3777266.65	FENCEGRD	149.58
437	410839.74	3777266.62	FENCEGRD	149.46
438	410834.77	3777266.59	FENCEGRD	149.38
439	410829.80	3777266.56	FENCEGRD	149.32
440	410824.83	3777266.54	FENCEGRD	149.29
441	410819.87	3777266.51	FENCEGRD	149.26
442	410814.90	3777266.48	FENCEGRD	149.19
443	410809.93	3777266.45	FENCEGRD	149.13
444	410804.96	3777266.43	FENCEGRD	149.06
445	410799.99	3777266.40	FENCEGRD	149.01
446	410795.03	3777266.37	FENCEGRD	148.96
447	410790.06	3777266.34	FENCEGRD	148.88
448	410785.09	3777266.32	FENCEGRD	148.80

Receptor Pathway

AERMOD

449	410780.12	3777266.29	FENCEGRD	148.76
450	410775.15	3777266.26	FENCEGRD	148.72
451	410770.19	3777266.24	FENCEGRD	148.68
452	410765.22	3777266.21	FENCEGRD	148.63
453	410760.25	3777266.18	FENCEGRD	148.59
454	410755.28	3777266.15	FENCEGRD	148.53
455	410750.31	3777266.13	FENCEGRD	148.47
456	410745.35	3777266.10	FENCEGRD	148.41
457	410740.38	3777266.07	FENCEGRD	148.38
458	410735.41	3777266.04	FENCEGRD	148.36
459	410730.44	3777266.02	FENCEGRD	148.31
460	410725.47	3777265.99	FENCEGRD	148.27
461	410720.51	3777265.96	FENCEGRD	148.26
462	410715.54	3777265.93	FENCEGRD	148.24
463	410710.57	3777265.91	FENCEGRD	148.20
464	410705.60	3777265.88	FENCEGRD	148.25
465	410700.63	3777265.85	FENCEGRD	148.31
466	410695.66	3777265.82	FENCEGRD	148.33
467	410690.70	3777265.80	FENCEGRD	148.26
468	410685.73	3777265.77	FENCEGRD	148.06
469	410680.76	3777265.74	FENCEGRD	147.91
470	410675.79	3777265.72	FENCEGRD	147.79
471	410670.82	3777265.69	FENCEGRD	147.80
472	410665.86	3777265.66	FENCEGRD	147.81
473	410660.89	3777265.63	FENCEGRD	147.77
474	410655.92	3777265.61	FENCEGRD	147.73
475	410650.95	3777265.58	FENCEGRD	147.69
476	410645.98	3777265.55	FENCEGRD	147.63
477	410641.02	3777265.52	FENCEGRD	147.57
478	410636.05	3777265.50	FENCEGRD	147.54
479	410631.08	3777265.47	FENCEGRD	147.49
480	410626.11	3777265.44	FENCEGRD	147.44
481	410621.14	3777265.41	FENCEGRD	147.38
482	410616.18	3777265.39	FENCEGRD	147.33
483	410611.21	3777265.36	FENCEGRD	147.30
484	410606.24	3777265.33	FENCEGRD	147.27
485	410601.27	3777265.30	FENCEGRD	147.23
486	410596.30	3777265.28	FENCEGRD	147.18

Receptor Pathway

AERMOD

487	410591.34	3777265.25	FENCEGRD	147.12
488	410586.37	3777265.22	FENCEGRD	147.07
489	410581.40	3777265.20	FENCEGRD	147.02
490	410576.43	3777265.17	FENCEGRD	146.96
491	410571.46	3777265.14	FENCEGRD	146.88
492	410566.50	3777265.11	FENCEGRD	146.79
493	410561.53	3777265.09	FENCEGRD	146.72
494	410556.56	3777265.06	FENCEGRD	146.65
495	410551.59	3777265.03	FENCEGRD	146.58
496	410546.62	3777265.00	FENCEGRD	146.51
497	410541.66	3777264.98	FENCEGRD	146.44
498	410536.69	3777264.95	FENCEGRD	146.36
499	410531.72	3777264.92	FENCEGRD	146.27
500	410526.75	3777264.89	FENCEGRD	146.20
501	410521.78	3777264.87	FENCEGRD	146.13
502	410516.81	3777264.84	FENCEGRD	146.07
503	410511.85	3777264.81	FENCEGRD	146.00
504	410506.88	3777264.78	FENCEGRD	145.94
505	410501.91	3777264.76	FENCEGRD	145.86
506	410496.94	3777264.73	FENCEGRD	145.78
507	410858.17	3777263.15	FENCEGRD	149.91
508	410865.16	3777266.06	FENCEGRD	149.99
509	410870.13	3777270.99	FENCEGRD	150.04
510	410849.70	3777261.67	FENCEGRD	149.70
511	410844.73	3777261.65	FENCEGRD	149.56
512	410839.77	3777261.62	FENCEGRD	149.42
513	410834.80	3777261.59	FENCEGRD	149.33
514	410829.83	3777261.56	FENCEGRD	149.26
515	410824.86	3777261.54	FENCEGRD	149.23
516	410819.89	3777261.51	FENCEGRD	149.20
517	410814.93	3777261.48	FENCEGRD	149.12
518	410809.96	3777261.45	FENCEGRD	149.06
519	410804.99	3777261.43	FENCEGRD	149.00
520	410800.02	3777261.40	FENCEGRD	148.94
521	410795.05	3777261.37	FENCEGRD	148.90
522	410790.09	3777261.34	FENCEGRD	148.81
523	410785.12	3777261.32	FENCEGRD	148.74
524	410780.15	3777261.29	FENCEGRD	148.70

Receptor Pathway

AERMOD

525	410775.18	3777261.26	FENCEGRD	148.65
526	410770.21	3777261.24	FENCEGRD	148.61
527	410765.25	3777261.21	FENCEGRD	148.56
528	410760.28	3777261.18	FENCEGRD	148.50
529	410755.31	3777261.15	FENCEGRD	148.44
530	410750.34	3777261.13	FENCEGRD	148.38
531	410745.37	3777261.10	FENCEGRD	148.32
532	410740.40	3777261.07	FENCEGRD	148.28
533	410735.44	3777261.04	FENCEGRD	148.24
534	410730.47	3777261.02	FENCEGRD	148.18
535	410725.50	3777260.99	FENCEGRD	148.13
536	410720.53	3777260.96	FENCEGRD	148.10
537	410715.56	3777260.93	FENCEGRD	148.06
538	410710.60	3777260.91	FENCEGRD	148.01
539	410705.63	3777260.88	FENCEGRD	148.01
540	410700.66	3777260.85	FENCEGRD	148.01
541	410695.69	3777260.82	FENCEGRD	147.99
542	410690.72	3777260.80	FENCEGRD	147.93
543	410685.76	3777260.77	FENCEGRD	147.80
544	410680.79	3777260.74	FENCEGRD	147.70
545	410675.82	3777260.72	FENCEGRD	147.61
546	410670.85	3777260.69	FENCEGRD	147.58
547	410665.88	3777260.66	FENCEGRD	147.55
548	410660.92	3777260.63	FENCEGRD	147.49
549	410655.95	3777260.61	FENCEGRD	147.44
550	410650.98	3777260.58	FENCEGRD	147.38
551	410646.01	3777260.55	FENCEGRD	147.31
552	410641.04	3777260.52	FENCEGRD	147.24
553	410636.08	3777260.50	FENCEGRD	147.18
554	410631.11	3777260.47	FENCEGRD	147.13
555	410626.14	3777260.44	FENCEGRD	147.07
556	410621.17	3777260.41	FENCEGRD	147.01
557	410616.20	3777260.39	FENCEGRD	146.96
558	410611.24	3777260.36	FENCEGRD	146.91
559	410606.27	3777260.33	FENCEGRD	146.86
560	410601.30	3777260.30	FENCEGRD	146.81
561	410596.33	3777260.28	FENCEGRD	146.74
562	410591.36	3777260.25	FENCEGRD	146.66

Receptor Pathway

AERMOD

563	410586.40	3777260.22	FENCEGRD	146.60
564	410581.43	3777260.20	FENCEGRD	146.53
565	410576.46	3777260.17	FENCEGRD	146.45
566	410571.49	3777260.14	FENCEGRD	146.37
567	410566.52	3777260.11	FENCEGRD	146.28
568	410561.55	3777260.09	FENCEGRD	146.20
569	410556.59	3777260.06	FENCEGRD	146.13
570	410551.62	3777260.03	FENCEGRD	146.06
571	410546.65	3777260.00	FENCEGRD	145.99
572	410541.68	3777259.98	FENCEGRD	145.91
573	410536.71	3777259.95	FENCEGRD	145.84
574	410531.75	3777259.92	FENCEGRD	145.76
575	410526.78	3777259.89	FENCEGRD	145.68
576	410521.81	3777259.87	FENCEGRD	145.62
577	410516.84	3777259.84	FENCEGRD	145.55
578	410511.87	3777259.81	FENCEGRD	145.49
579	410506.91	3777259.79	FENCEGRD	145.42
580	410501.94	3777259.76	FENCEGRD	145.36
581	410496.97	3777259.73	FENCEGRD	145.28
582	410859.07	3777258.51	FENCEGRD	149.91
583	410863.44	3777260.33	FENCEGRD	149.98
584	410867.80	3777262.14	FENCEGRD	150.04
585	410874.02	3777268.31	FENCEGRD	150.09
586	410875.87	3777272.67	FENCEGRD	150.06
587	410877.71	3777277.03	FENCEGRD	150.07
588	410854.70	3777256.70	FENCEGRD	149.83
589	410849.73	3777256.67	FENCEGRD	149.67
590	410844.76	3777256.65	FENCEGRD	149.52
591	410839.79	3777256.62	FENCEGRD	149.38
592	410834.83	3777256.59	FENCEGRD	149.28
593	410829.86	3777256.56	FENCEGRD	149.21
594	410824.89	3777256.54	FENCEGRD	149.16
595	410819.92	3777256.51	FENCEGRD	149.12
596	410814.95	3777256.48	FENCEGRD	149.06
597	410809.99	3777256.45	FENCEGRD	149.01
598	410805.02	3777256.43	FENCEGRD	148.95
599	410800.05	3777256.40	FENCEGRD	148.90
600	410795.08	3777256.37	FENCEGRD	148.85

Receptor Pathway

AERMOD

601	410790.11	3777256.34	FENCEGRD	148.78
602	410785.14	3777256.32	FENCEGRD	148.72
603	410780.18	3777256.29	FENCEGRD	148.66
604	410775.21	3777256.26	FENCEGRD	148.61
605	410770.24	3777256.24	FENCEGRD	148.55
606	410765.27	3777256.21	FENCEGRD	148.49
607	410760.30	3777256.18	FENCEGRD	148.43
608	410755.34	3777256.15	FENCEGRD	148.36
609	410750.37	3777256.13	FENCEGRD	148.30
610	410745.40	3777256.10	FENCEGRD	148.24
611	410740.43	3777256.07	FENCEGRD	148.19
612	410735.46	3777256.04	FENCEGRD	148.13
613	410730.50	3777256.02	FENCEGRD	148.06
614	410725.53	3777255.99	FENCEGRD	147.99
615	410720.56	3777255.96	FENCEGRD	147.94
616	410715.59	3777255.93	FENCEGRD	147.88
617	410710.62	3777255.91	FENCEGRD	147.82
618	410705.66	3777255.88	FENCEGRD	147.76
619	410700.69	3777255.85	FENCEGRD	147.70
620	410695.72	3777255.82	FENCEGRD	147.65
621	410690.75	3777255.80	FENCEGRD	147.60
622	410685.78	3777255.77	FENCEGRD	147.54
623	410680.82	3777255.74	FENCEGRD	147.49
624	410675.85	3777255.72	FENCEGRD	147.44
625	410670.88	3777255.69	FENCEGRD	147.37
626	410665.91	3777255.66	FENCEGRD	147.30
627	410660.94	3777255.63	FENCEGRD	147.23
628	410655.98	3777255.61	FENCEGRD	147.16
629	410651.01	3777255.58	FENCEGRD	147.09
630	410646.04	3777255.55	FENCEGRD	147.02
631	410641.07	3777255.52	FENCEGRD	146.94
632	410636.10	3777255.50	FENCEGRD	146.87
633	410631.14	3777255.47	FENCEGRD	146.81
634	410626.17	3777255.44	FENCEGRD	146.75
635	410621.20	3777255.41	FENCEGRD	146.70
636	410616.23	3777255.39	FENCEGRD	146.64
637	410611.26	3777255.36	FENCEGRD	146.58
638	410606.29	3777255.33	FENCEGRD	146.52

Receptor Pathway

AERMOD

639	410601.33	3777255.30	FENCEGRD	146.46
640	410596.36	3777255.28	FENCEGRD	146.39
641	410591.39	3777255.25	FENCEGRD	146.31
642	410586.42	3777255.22	FENCEGRD	146.24
643	410581.45	3777255.20	FENCEGRD	146.17
644	410576.49	3777255.17	FENCEGRD	146.08
645	410571.52	3777255.14	FENCEGRD	146.00
646	410566.55	3777255.11	FENCEGRD	145.91
647	410561.58	3777255.09	FENCEGRD	145.84
648	410556.61	3777255.06	FENCEGRD	145.78
649	410551.65	3777255.03	FENCEGRD	145.71
650	410546.68	3777255.00	FENCEGRD	145.65
651	410541.71	3777254.98	FENCEGRD	145.58
652	410536.74	3777254.95	FENCEGRD	145.51
653	410531.77	3777254.92	FENCEGRD	145.45
654	410526.81	3777254.89	FENCEGRD	145.38
655	410521.84	3777254.87	FENCEGRD	145.32
656	410516.87	3777254.84	FENCEGRD	145.27
657	410511.90	3777254.81	FENCEGRD	145.21
658	410506.93	3777254.79	FENCEGRD	145.15
659	410501.97	3777254.76	FENCEGRD	145.09
660	410497.00	3777254.73	FENCEGRD	145.03
661	410491.86	3777279.85	FENCEGRD	145.66
662	410491.98	3777284.74	FENCEGRD	145.61
663	410492.09	3777289.63	FENCEGRD	145.52
664	410492.20	3777294.52	FENCEGRD	145.30
665	410492.32	3777299.41	FENCEGRD	145.13
666	410492.43	3777304.30	FENCEGRD	145.14
667	410492.54	3777309.19	FENCEGRD	145.14
668	410492.66	3777314.08	FENCEGRD	145.06
669	410492.77	3777318.97	FENCEGRD	144.97
670	410492.89	3777323.86	FENCEGRD	144.90
671	410493.00	3777328.75	FENCEGRD	144.83
672	410493.11	3777333.65	FENCEGRD	144.98
673	410493.23	3777338.54	FENCEGRD	145.17
674	410493.34	3777343.43	FENCEGRD	145.26
675	410493.45	3777348.32	FENCEGRD	145.33
676	410493.57	3777353.21	FENCEGRD	145.36

Receptor Pathway

AERMOD

677	410493.68	3777358.10	FENCEGRD	145.36
678	410493.80	3777362.99	FENCEGRD	145.41
679	410493.91	3777367.88	FENCEGRD	145.50
680	410494.02	3777372.77	FENCEGRD	145.56
681	410494.14	3777377.66	FENCEGRD	145.61
682	410494.25	3777382.55	FENCEGRD	145.64
683	410494.36	3777387.44	FENCEGRD	145.66
684	410494.48	3777392.33	FENCEGRD	145.69
685	410494.59	3777397.23	FENCEGRD	145.74
686	410494.71	3777402.12	FENCEGRD	145.80
687	410494.82	3777407.01	FENCEGRD	145.87
688	410494.93	3777411.90	FENCEGRD	145.94
689	410495.05	3777416.79	FENCEGRD	145.96
690	410495.16	3777421.68	FENCEGRD	145.99
691	410495.27	3777426.57	FENCEGRD	146.00
692	410495.39	3777431.46	FENCEGRD	146.01
693	410495.50	3777436.35	FENCEGRD	146.03
694	410495.62	3777441.24	FENCEGRD	146.06
695	410495.73	3777446.13	FENCEGRD	146.07
696	410495.84	3777451.02	FENCEGRD	146.07
697	410495.96	3777455.92	FENCEGRD	146.04
698	410496.07	3777460.81	FENCEGRD	145.98
699	410488.29	3777276.34	FENCEGRD	145.70
700	410486.98	3777284.85	FENCEGRD	145.58
701	410487.09	3777289.74	FENCEGRD	145.50
702	410487.20	3777294.64	FENCEGRD	145.28
703	410487.32	3777299.53	FENCEGRD	145.10
704	410487.43	3777304.42	FENCEGRD	145.09
705	410487.55	3777309.31	FENCEGRD	145.07
706	410487.66	3777314.20	FENCEGRD	144.99
707	410487.77	3777319.09	FENCEGRD	144.90
708	410487.89	3777323.98	FENCEGRD	144.82
709	410488.00	3777328.87	FENCEGRD	144.74
710	410488.11	3777333.76	FENCEGRD	144.92
711	410488.23	3777338.65	FENCEGRD	145.14
712	410488.34	3777343.54	FENCEGRD	145.22
713	410488.46	3777348.43	FENCEGRD	145.26
714	410488.57	3777353.32	FENCEGRD	145.28

Receptor Pathway

AERMOD

715	410488.68	3777358.22	FENCEGRD	145.30
716	410488.80	3777363.11	FENCEGRD	145.34
717	410488.91	3777368.00	FENCEGRD	145.42
718	410489.02	3777372.89	FENCEGRD	145.47
719	410489.14	3777377.78	FENCEGRD	145.50
720	410489.25	3777382.67	FENCEGRD	145.54
721	410489.37	3777387.56	FENCEGRD	145.59
722	410489.48	3777392.45	FENCEGRD	145.65
723	410489.59	3777397.34	FENCEGRD	145.71
724	410489.71	3777402.23	FENCEGRD	145.77
725	410489.82	3777407.12	FENCEGRD	145.85
726	410489.93	3777412.01	FENCEGRD	145.93
727	410490.05	3777416.91	FENCEGRD	145.92
728	410490.16	3777421.80	FENCEGRD	145.92
729	410490.28	3777426.69	FENCEGRD	145.93
730	410490.39	3777431.58	FENCEGRD	145.94
731	410490.50	3777436.47	FENCEGRD	145.97
732	410490.62	3777441.36	FENCEGRD	145.99
733	410490.73	3777446.25	FENCEGRD	146.02
734	410490.85	3777451.14	FENCEGRD	146.05
735	410490.96	3777456.03	FENCEGRD	146.02
736	410491.07	3777460.92	FENCEGRD	145.96
737	410483.30	3777276.46	FENCEGRD	145.61
738	410489.75	3777267.72	FENCEGRD	145.97
739	410481.98	3777284.97	FENCEGRD	145.50
740	410482.09	3777289.86	FENCEGRD	145.42
741	410482.21	3777294.75	FENCEGRD	145.22
742	410482.32	3777299.64	FENCEGRD	145.04
743	410482.43	3777304.53	FENCEGRD	145.02
744	410482.55	3777309.42	FENCEGRD	145.00
745	410482.66	3777314.31	FENCEGRD	144.91
746	410482.77	3777319.21	FENCEGRD	144.82
747	410482.89	3777324.10	FENCEGRD	144.74
748	410483.00	3777328.99	FENCEGRD	144.67
749	410483.12	3777333.88	FENCEGRD	144.83
750	410483.23	3777338.77	FENCEGRD	145.02
751	410483.34	3777343.66	FENCEGRD	145.11
752	410483.46	3777348.55	FENCEGRD	145.18

Receptor Pathway

AERMOD

753	410483.57	3777353.44	FENCEGRD	145.22
754	410483.68	3777358.33	FENCEGRD	145.25
755	410483.80	3777363.22	FENCEGRD	145.30
756	410483.91	3777368.11	FENCEGRD	145.37
757	410484.03	3777373.00	FENCEGRD	145.41
758	410484.14	3777377.90	FENCEGRD	145.44
759	410484.25	3777382.79	FENCEGRD	145.48
760	410484.37	3777387.68	FENCEGRD	145.55
761	410484.48	3777392.57	FENCEGRD	145.62
762	410484.59	3777397.46	FENCEGRD	145.68
763	410484.71	3777402.35	FENCEGRD	145.75
764	410484.82	3777407.24	FENCEGRD	145.85
765	410484.94	3777412.13	FENCEGRD	145.94
766	410485.05	3777417.02	FENCEGRD	145.92
767	410485.16	3777421.91	FENCEGRD	145.91
768	410485.28	3777426.80	FENCEGRD	145.91
769	410485.39	3777431.69	FENCEGRD	145.91
770	410485.51	3777436.58	FENCEGRD	145.92
771	410485.62	3777441.48	FENCEGRD	145.93
772	410485.73	3777446.37	FENCEGRD	145.96
773	410485.85	3777451.26	FENCEGRD	146.00
774	410485.96	3777456.15	FENCEGRD	145.97
775	410486.07	3777461.04	FENCEGRD	145.92
776	410478.30	3777276.57	FENCEGRD	145.52
777	410481.16	3777269.33	FENCEGRD	145.81
778	410486.19	3777264.22	FENCEGRD	145.58
779	410476.98	3777285.09	FENCEGRD	145.38
780	410477.09	3777289.98	FENCEGRD	145.31
781	410477.21	3777294.87	FENCEGRD	145.16
782	410477.32	3777299.76	FENCEGRD	145.04
783	410477.43	3777304.65	FENCEGRD	145.00
784	410477.55	3777309.54	FENCEGRD	144.96
785	410477.66	3777314.43	FENCEGRD	144.84
786	410477.78	3777319.32	FENCEGRD	144.72
787	410477.89	3777324.21	FENCEGRD	144.66
788	410478.00	3777329.10	FENCEGRD	144.60
789	410478.12	3777333.99	FENCEGRD	144.75
790	410478.23	3777338.88	FENCEGRD	144.92

Receptor Pathway

AERMOD

791	410478.34	3777343.78	FENCEGRD	145.03
792	410478.46	3777348.67	FENCEGRD	145.12
793	410478.57	3777353.56	FENCEGRD	145.17
794	410478.69	3777358.45	FENCEGRD	145.21
795	410478.80	3777363.34	FENCEGRD	145.26
796	410478.91	3777368.23	FENCEGRD	145.31
797	410479.03	3777373.12	FENCEGRD	145.36
798	410479.14	3777378.01	FENCEGRD	145.40
799	410479.25	3777382.90	FENCEGRD	145.45
800	410479.37	3777387.79	FENCEGRD	145.52
801	410479.48	3777392.68	FENCEGRD	145.60
802	410479.60	3777397.57	FENCEGRD	145.66
803	410479.71	3777402.47	FENCEGRD	145.74
804	410479.82	3777407.36	FENCEGRD	145.85
805	410479.94	3777412.25	FENCEGRD	145.94
806	410480.05	3777417.14	FENCEGRD	145.92
807	410480.17	3777422.03	FENCEGRD	145.90
808	410480.28	3777426.92	FENCEGRD	145.89
809	410480.39	3777431.81	FENCEGRD	145.89
810	410480.51	3777436.70	FENCEGRD	145.88
811	410480.62	3777441.59	FENCEGRD	145.86
812	410480.73	3777446.48	FENCEGRD	145.89
813	410480.85	3777451.37	FENCEGRD	145.93
814	410480.96	3777456.26	FENCEGRD	145.91
815	410481.08	3777461.16	FENCEGRD	145.87
816	410473.66	3777275.79	FENCEGRD	145.47
817	410475.45	3777271.26	FENCEGRD	145.66
818	410477.24	3777266.74	FENCEGRD	145.68
819	410483.52	3777260.34	FENCEGRD	145.16
820	410488.01	3777258.47	FENCEGRD	145.05
821	410492.50	3777256.60	FENCEGRD	145.00
822	410471.87	3777280.31	FENCEGRD	145.32
823	410471.98	3777285.20	FENCEGRD	145.23
824	410472.09	3777290.09	FENCEGRD	145.16
825	410472.21	3777294.98	FENCEGRD	145.13
826	410472.32	3777299.87	FENCEGRD	145.09
827	410472.44	3777304.77	FENCEGRD	145.05
828	410472.55	3777309.66	FENCEGRD	144.99

Receptor Pathway

AERMOD

829	410472.66	3777314.55	FENCEGRD	144.80
830	410472.78	3777319.44	FENCEGRD	144.61
831	410472.89	3777324.33	FENCEGRD	144.57
832	410473.00	3777329.22	FENCEGRD	144.52
833	410473.12	3777334.11	FENCEGRD	144.70
834	410473.23	3777339.00	FENCEGRD	144.90
835	410473.35	3777343.89	FENCEGRD	145.00
836	410473.46	3777348.78	FENCEGRD	145.07
837	410473.57	3777353.67	FENCEGRD	145.12
838	410473.69	3777358.56	FENCEGRD	145.16
839	410473.80	3777363.46	FENCEGRD	145.21
840	410473.91	3777368.35	FENCEGRD	145.26
841	410474.03	3777373.24	FENCEGRD	145.33
842	410474.14	3777378.13	FENCEGRD	145.42
843	410474.26	3777383.02	FENCEGRD	145.48
844	410474.37	3777387.91	FENCEGRD	145.53
845	410474.48	3777392.80	FENCEGRD	145.58
846	410474.60	3777397.69	FENCEGRD	145.64
847	410474.71	3777402.58	FENCEGRD	145.70
848	410474.83	3777407.47	FENCEGRD	145.75
849	410474.94	3777412.36	FENCEGRD	145.80
850	410475.05	3777417.25	FENCEGRD	145.81
851	410475.17	3777422.14	FENCEGRD	145.83
852	410475.28	3777427.04	FENCEGRD	145.81
853	410475.39	3777431.93	FENCEGRD	145.79
854	410475.51	3777436.82	FENCEGRD	145.81
855	410475.62	3777441.71	FENCEGRD	145.82
856	410475.74	3777446.60	FENCEGRD	145.84
857	410475.85	3777451.49	FENCEGRD	145.86
858	410475.96	3777456.38	FENCEGRD	145.84
859	410476.08	3777461.27	FENCEGRD	145.79
860	410501.08	3777465.69	FENCEGRD	145.98
861	410506.07	3777465.68	FENCEGRD	145.99
862	410511.06	3777465.67	FENCEGRD	146.02
863	410516.05	3777465.65	FENCEGRD	146.06
864	410521.04	3777465.64	FENCEGRD	146.09
865	410526.03	3777465.63	FENCEGRD	146.12
866	410531.02	3777465.62	FENCEGRD	146.15

Receptor Pathway

AERMOD

867	410536.01	3777465.61	FENCEGRD	146.18
868	410541.00	3777465.59	FENCEGRD	146.21
869	410545.99	3777465.58	FENCEGRD	146.25
870	410550.98	3777465.57	FENCEGRD	146.29
871	410555.97	3777465.56	FENCEGRD	146.33
872	410560.96	3777465.55	FENCEGRD	146.38
873	410565.95	3777465.53	FENCEGRD	146.44
874	410570.94	3777465.52	FENCEGRD	146.50
875	410575.93	3777465.51	FENCEGRD	146.56
876	410580.92	3777465.50	FENCEGRD	146.64
877	410585.91	3777465.49	FENCEGRD	146.71
878	410590.90	3777465.47	FENCEGRD	146.78
879	410595.89	3777465.46	FENCEGRD	146.85
880	410600.88	3777465.45	FENCEGRD	146.92
881	410605.87	3777465.44	FENCEGRD	146.97
882	410610.86	3777465.43	FENCEGRD	147.01
883	410615.85	3777465.41	FENCEGRD	147.04
884	410620.84	3777465.40	FENCEGRD	147.10
885	410625.82	3777465.39	FENCEGRD	147.17
886	410630.81	3777465.38	FENCEGRD	147.23
887	410635.80	3777465.37	FENCEGRD	147.29
888	410640.79	3777465.35	FENCEGRD	147.37
889	410645.78	3777465.34	FENCEGRD	147.43
890	410650.77	3777465.33	FENCEGRD	147.49
891	410655.76	3777465.32	FENCEGRD	147.55
892	410660.75	3777465.31	FENCEGRD	147.60
893	410665.74	3777465.29	FENCEGRD	147.64
894	410670.73	3777465.28	FENCEGRD	147.69
895	410675.72	3777465.27	FENCEGRD	147.75
896	410497.59	3777469.27	FENCEGRD	145.99
897	410506.08	3777470.68	FENCEGRD	145.96
898	410511.07	3777470.67	FENCEGRD	146.01
899	410516.06	3777470.65	FENCEGRD	146.06
900	410521.05	3777470.64	FENCEGRD	146.09
901	410526.04	3777470.63	FENCEGRD	146.11
902	410531.03	3777470.62	FENCEGRD	146.12
903	410536.02	3777470.61	FENCEGRD	146.15
904	410541.01	3777470.59	FENCEGRD	146.19

Receptor Pathway

AERMOD

905	410546.00	3777470.58	FENCEGRD	146.24
906	410550.99	3777470.57	FENCEGRD	146.28
907	410555.98	3777470.56	FENCEGRD	146.30
908	410560.97	3777470.55	FENCEGRD	146.35
909	410565.96	3777470.53	FENCEGRD	146.41
910	410570.95	3777470.52	FENCEGRD	146.47
911	410575.94	3777470.51	FENCEGRD	146.53
912	410580.93	3777470.50	FENCEGRD	146.63
913	410585.92	3777470.49	FENCEGRD	146.72
914	410590.91	3777470.47	FENCEGRD	146.78
915	410595.90	3777470.46	FENCEGRD	146.85
916	410600.89	3777470.45	FENCEGRD	146.92
917	410605.88	3777470.44	FENCEGRD	146.97
918	410610.87	3777470.43	FENCEGRD	147.00
919	410615.86	3777470.41	FENCEGRD	147.01
920	410620.85	3777470.40	FENCEGRD	147.07
921	410625.84	3777470.39	FENCEGRD	147.17
922	410630.83	3777470.38	FENCEGRD	147.22
923	410635.82	3777470.37	FENCEGRD	147.29
924	410640.81	3777470.35	FENCEGRD	147.37
925	410645.80	3777470.34	FENCEGRD	147.44
926	410650.79	3777470.33	FENCEGRD	147.49
927	410655.78	3777470.32	FENCEGRD	147.53
928	410660.76	3777470.31	FENCEGRD	147.57
929	410665.75	3777470.29	FENCEGRD	147.60
930	410670.74	3777470.28	FENCEGRD	147.64
931	410675.73	3777470.27	FENCEGRD	147.70
932	410497.60	3777474.27	FENCEGRD	146.04
933	410489.09	3777467.97	FENCEGRD	145.96
934	410506.10	3777475.68	FENCEGRD	146.06
935	410511.09	3777475.67	FENCEGRD	146.09
936	410516.08	3777475.65	FENCEGRD	146.13
937	410521.06	3777475.64	FENCEGRD	146.16
938	410526.05	3777475.63	FENCEGRD	146.19
939	410531.04	3777475.62	FENCEGRD	146.22
940	410536.03	3777475.61	FENCEGRD	146.25
941	410541.02	3777475.59	FENCEGRD	146.28
942	410546.01	3777475.58	FENCEGRD	146.33

Receptor Pathway

AERMOD

943	410551.00	3777475.57	FENCEGRD	146.38
944	410555.99	3777475.56	FENCEGRD	146.39
945	410560.98	3777475.55	FENCEGRD	146.42
946	410565.97	3777475.53	FENCEGRD	146.45
947	410570.96	3777475.52	FENCEGRD	146.53
948	410575.95	3777475.51	FENCEGRD	146.62
949	410580.94	3777475.50	FENCEGRD	146.73
950	410585.93	3777475.49	FENCEGRD	146.80
951	410590.92	3777475.47	FENCEGRD	146.84
952	410595.91	3777475.46	FENCEGRD	146.92
953	410600.90	3777475.45	FENCEGRD	147.01
954	410605.89	3777475.44	FENCEGRD	147.04
955	410610.88	3777475.43	FENCEGRD	147.08
956	410615.87	3777475.41	FENCEGRD	147.15
957	410620.86	3777475.40	FENCEGRD	147.24
958	410625.85	3777475.39	FENCEGRD	147.34
959	410630.84	3777475.38	FENCEGRD	147.41
960	410635.83	3777475.37	FENCEGRD	147.48
961	410640.82	3777475.35	FENCEGRD	147.57
962	410645.81	3777475.34	FENCEGRD	147.66
963	410650.80	3777475.33	FENCEGRD	147.75
964	410655.79	3777475.32	FENCEGRD	147.76
965	410660.78	3777475.31	FENCEGRD	147.74
966	410665.77	3777475.29	FENCEGRD	147.71
967	410670.76	3777475.28	FENCEGRD	147.72
968	410675.75	3777475.27	FENCEGRD	147.81
969	410497.62	3777479.27	FENCEGRD	146.21
970	410490.61	3777476.43	FENCEGRD	146.10
971	410485.60	3777471.55	FENCEGRD	145.96
972	410506.11	3777480.68	FENCEGRD	146.27
973	410511.10	3777480.67	FENCEGRD	146.26
974	410516.09	3777480.65	FENCEGRD	146.26
975	410521.08	3777480.64	FENCEGRD	146.29
976	410526.07	3777480.63	FENCEGRD	146.33
977	410531.06	3777480.62	FENCEGRD	146.39
978	410536.05	3777480.61	FENCEGRD	146.42
979	410541.04	3777480.59	FENCEGRD	146.44
980	410546.03	3777480.58	FENCEGRD	146.51

Receptor Pathway

AERMOD

981	410551.02	3777480.57	FENCEGRD	146.55
982	410556.00	3777480.56	FENCEGRD	146.55
983	410560.99	3777480.55	FENCEGRD	146.55
984	410565.98	3777480.53	FENCEGRD	146.54
985	410570.97	3777480.52	FENCEGRD	146.65
986	410575.96	3777480.51	FENCEGRD	146.77
987	410580.95	3777480.50	FENCEGRD	146.88
988	410585.94	3777480.49	FENCEGRD	146.93
989	410590.93	3777480.47	FENCEGRD	146.92
990	410595.92	3777480.46	FENCEGRD	147.01
991	410600.91	3777480.45	FENCEGRD	147.13
992	410605.90	3777480.44	FENCEGRD	147.15
993	410610.89	3777480.43	FENCEGRD	147.21
994	410615.88	3777480.41	FENCEGRD	147.36
995	410620.87	3777480.40	FENCEGRD	147.48
996	410625.86	3777480.39	FENCEGRD	147.59
997	410630.85	3777480.38	FENCEGRD	147.67
998	410635.84	3777480.37	FENCEGRD	147.75
999	410640.83	3777480.35	FENCEGRD	147.85
1,000	410645.82	3777480.34	FENCEGRD	147.97
1,001	410650.81	3777480.33	FENCEGRD	148.10
1,002	410655.80	3777480.32	FENCEGRD	148.07
1,003	410660.79	3777480.31	FENCEGRD	147.99
1,004	410665.78	3777480.29	FENCEGRD	147.88
1,005	410670.77	3777480.28	FENCEGRD	147.85
1,006	410675.76	3777480.27	FENCEGRD	147.99
1,007	410496.75	3777483.92	FENCEGRD	146.35
1,008	410492.38	3777482.14	FENCEGRD	146.30
1,009	410488.00	3777480.37	FENCEGRD	146.19
1,010	410481.73	3777474.26	FENCEGRD	145.97
1,011	410479.85	3777469.93	FENCEGRD	145.90
1,012	410477.96	3777465.60	FENCEGRD	145.83
1,013	410501.13	3777485.69	FENCEGRD	146.37
1,014	410506.12	3777485.68	FENCEGRD	146.40
1,015	410511.11	3777485.67	FENCEGRD	146.40
1,016	410516.10	3777485.65	FENCEGRD	146.40
1,017	410521.09	3777485.64	FENCEGRD	146.40
1,018	410526.08	3777485.63	FENCEGRD	146.44

Receptor Pathway

AERMOD

1,019	410531.07	3777485.62	FENCEGRD	146.51
1,020	410536.06	3777485.61	FENCEGRD	146.54
1,021	410541.05	3777485.59	FENCEGRD	146.55
1,022	410546.04	3777485.58	FENCEGRD	146.62
1,023	410551.03	3777485.57	FENCEGRD	146.67
1,024	410556.02	3777485.56	FENCEGRD	146.66
1,025	410561.01	3777485.55	FENCEGRD	146.63
1,026	410566.00	3777485.53	FENCEGRD	146.60
1,027	410570.99	3777485.52	FENCEGRD	146.71
1,028	410575.98	3777485.51	FENCEGRD	146.85
1,029	410580.97	3777485.50	FENCEGRD	146.95
1,030	410585.96	3777485.49	FENCEGRD	147.00
1,031	410590.94	3777485.47	FENCEGRD	146.99
1,032	410595.93	3777485.46	FENCEGRD	147.07
1,033	410600.92	3777485.45	FENCEGRD	147.17
1,034	410605.91	3777485.44	FENCEGRD	147.20
1,035	410610.90	3777485.43	FENCEGRD	147.27
1,036	410615.89	3777485.41	FENCEGRD	147.41
1,037	410620.88	3777485.40	FENCEGRD	147.54
1,038	410625.87	3777485.39	FENCEGRD	147.66
1,039	410630.86	3777485.38	FENCEGRD	147.74
1,040	410635.85	3777485.37	FENCEGRD	147.82
1,041	410640.84	3777485.35	FENCEGRD	147.93
1,042	410645.83	3777485.34	FENCEGRD	148.06
1,043	410650.82	3777485.33	FENCEGRD	148.19
1,044	410655.81	3777485.32	FENCEGRD	148.17
1,045	410660.80	3777485.31	FENCEGRD	148.10
1,046	410665.79	3777485.29	FENCEGRD	147.96
1,047	410670.78	3777485.28	FENCEGRD	147.92
1,048	410675.77	3777485.27	FENCEGRD	148.06
1,049	410670.71	3777460.35	FENCEGRD	147.75
1,050	410671.18	3777490.21	FENCEGRD	147.99
1,051	410671.26	3777495.19	FENCEGRD	148.02
1,052	410671.34	3777500.17	FENCEGRD	148.05
1,053	410671.42	3777505.14	FENCEGRD	148.06
1,054	410671.50	3777510.12	FENCEGRD	148.06
1,055	410671.58	3777515.10	FENCEGRD	148.09
1,056	410671.66	3777520.08	FENCEGRD	148.15

Receptor Pathway

AERMOD

1,057	410671.74	3777525.05	FENCEGRD	148.20
1,058	410671.82	3777530.03	FENCEGRD	148.24
1,059	410671.89	3777535.01	FENCEGRD	148.28
1,060	410671.97	3777539.98	FENCEGRD	148.32
1,061	410672.05	3777544.96	FENCEGRD	148.36
1,062	410672.13	3777549.94	FENCEGRD	148.43
1,063	410665.71	3777460.43	FENCEGRD	147.69
1,064	410666.18	3777490.29	FENCEGRD	148.01
1,065	410666.26	3777495.27	FENCEGRD	148.04
1,066	410666.34	3777500.25	FENCEGRD	148.05
1,067	410666.42	3777505.22	FENCEGRD	148.09
1,068	410666.50	3777510.20	FENCEGRD	148.14
1,069	410666.58	3777515.18	FENCEGRD	148.16
1,070	410666.66	3777520.16	FENCEGRD	148.17
1,071	410666.74	3777525.13	FENCEGRD	148.20
1,072	410666.82	3777530.11	FENCEGRD	148.27
1,073	410666.89	3777535.09	FENCEGRD	148.32
1,074	410666.97	3777540.06	FENCEGRD	148.34
1,075	410667.05	3777545.04	FENCEGRD	148.37
1,076	410667.13	3777550.02	FENCEGRD	148.41
1,077	410660.71	3777460.51	FENCEGRD	147.66
1,078	410661.19	3777490.37	FENCEGRD	148.12
1,079	410661.26	3777495.35	FENCEGRD	148.14
1,080	410661.34	3777500.33	FENCEGRD	148.14
1,081	410661.42	3777505.30	FENCEGRD	148.19
1,082	410661.50	3777510.28	FENCEGRD	148.26
1,083	410661.58	3777515.26	FENCEGRD	148.29
1,084	410661.66	3777520.23	FENCEGRD	148.26
1,085	410661.74	3777525.21	FENCEGRD	148.29
1,086	410661.82	3777530.19	FENCEGRD	148.41
1,087	410661.90	3777535.17	FENCEGRD	148.47
1,088	410661.97	3777540.14	FENCEGRD	148.45
1,089	410662.05	3777545.12	FENCEGRD	148.43
1,090	410662.13	3777550.10	FENCEGRD	148.42
1,091	410655.71	3777460.59	FENCEGRD	147.60
1,092	410656.19	3777490.45	FENCEGRD	148.16
1,093	410656.26	3777495.43	FENCEGRD	148.16
1,094	410656.34	3777500.40	FENCEGRD	148.18

Receptor Pathway

AERMOD

1,095	410656.42	3777505.38	FENCEGRD	148.20
1,096	410656.50	3777510.36	FENCEGRD	148.22
1,097	410656.58	3777515.34	FENCEGRD	148.23
1,098	410656.66	3777520.31	FENCEGRD	148.24
1,099	410656.74	3777525.29	FENCEGRD	148.28
1,100	410656.82	3777530.27	FENCEGRD	148.35
1,101	410656.90	3777535.25	FENCEGRD	148.40
1,102	410656.97	3777540.22	FENCEGRD	148.41
1,103	410657.05	3777545.20	FENCEGRD	148.41
1,104	410657.13	3777550.18	FENCEGRD	148.39
1,105	410650.71	3777460.67	FENCEGRD	147.53
1,106	410651.19	3777490.53	FENCEGRD	148.15
1,107	410651.27	3777495.51	FENCEGRD	148.16
1,108	410651.34	3777500.48	FENCEGRD	148.20
1,109	410651.42	3777505.46	FENCEGRD	148.18
1,110	410651.50	3777510.44	FENCEGRD	148.14
1,111	410651.58	3777515.42	FENCEGRD	148.14
1,112	410651.66	3777520.39	FENCEGRD	148.19
1,113	410651.74	3777525.37	FENCEGRD	148.23
1,114	410651.82	3777530.35	FENCEGRD	148.25
1,115	410651.90	3777535.32	FENCEGRD	148.29
1,116	410651.98	3777540.30	FENCEGRD	148.34
1,117	410652.05	3777545.28	FENCEGRD	148.37
1,118	410652.13	3777550.26	FENCEGRD	148.34
1,119	410677.20	3777554.86	FENCEGRD	148.55
1,120	410682.08	3777554.79	FENCEGRD	148.58
1,121	410686.97	3777554.73	FENCEGRD	148.62
1,122	410691.86	3777554.66	FENCEGRD	148.68
1,123	410696.75	3777554.59	FENCEGRD	148.74
1,124	410701.63	3777554.53	FENCEGRD	148.82
1,125	410706.52	3777554.46	FENCEGRD	148.90
1,126	410711.41	3777554.40	FENCEGRD	149.00
1,127	410716.29	3777554.33	FENCEGRD	149.09
1,128	410721.18	3777554.26	FENCEGRD	149.19
1,129	410726.07	3777554.20	FENCEGRD	149.28
1,130	410730.96	3777554.13	FENCEGRD	149.38
1,131	410735.84	3777554.06	FENCEGRD	149.47
1,132	410740.73	3777554.00	FENCEGRD	149.56

Receptor Pathway

AERMOD

1,133	410745.62	3777553.93	FENCEGRD	149.66
1,134	410750.50	3777553.87	FENCEGRD	149.76
1,135	410755.39	3777553.80	FENCEGRD	149.87
1,136	410760.28	3777553.73	FENCEGRD	149.97
1,137	410765.16	3777553.67	FENCEGRD	150.07
1,138	410770.05	3777553.60	FENCEGRD	150.16
1,139	410774.94	3777553.54	FENCEGRD	150.25
1,140	410779.83	3777553.47	FENCEGRD	150.33
1,141	410784.71	3777553.40	FENCEGRD	150.42
1,142	410789.60	3777553.34	FENCEGRD	150.51
1,143	410794.49	3777553.27	FENCEGRD	150.62
1,144	410799.37	3777553.20	FENCEGRD	150.73
1,145	410804.26	3777553.14	FENCEGRD	150.82
1,146	410809.15	3777553.07	FENCEGRD	150.91
1,147	410814.03	3777553.01	FENCEGRD	151.01
1,148	410818.92	3777552.94	FENCEGRD	151.10
1,149	410823.81	3777552.87	FENCEGRD	151.19
1,150	410828.70	3777552.81	FENCEGRD	151.25
1,151	410833.58	3777552.74	FENCEGRD	151.30
1,152	410838.47	3777552.67	FENCEGRD	151.32
1,153	410843.36	3777552.61	FENCEGRD	151.31
1,154	410848.24	3777552.54	FENCEGRD	151.27
1,155	410853.13	3777552.48	FENCEGRD	151.21
1,156	410858.02	3777552.41	FENCEGRD	151.14
1,157	410673.71	3777558.45	FENCEGRD	148.67
1,158	410682.15	3777559.79	FENCEGRD	148.80
1,159	410687.04	3777559.73	FENCEGRD	148.86
1,160	410691.93	3777559.66	FENCEGRD	148.92
1,161	410696.81	3777559.59	FENCEGRD	148.99
1,162	410701.70	3777559.53	FENCEGRD	149.06
1,163	410706.59	3777559.46	FENCEGRD	149.14
1,164	410711.47	3777559.40	FENCEGRD	149.23
1,165	410716.36	3777559.33	FENCEGRD	149.31
1,166	410721.25	3777559.26	FENCEGRD	149.40
1,167	410726.14	3777559.20	FENCEGRD	149.50
1,168	410731.02	3777559.13	FENCEGRD	149.60
1,169	410735.91	3777559.06	FENCEGRD	149.67
1,170	410740.80	3777559.00	FENCEGRD	149.76

Receptor Pathway

AERMOD

1,171	410745.68	3777558.93	FENCEGRD	149.85
1,172	410750.57	3777558.87	FENCEGRD	149.96
1,173	410755.46	3777558.80	FENCEGRD	150.07
1,174	410760.34	3777558.73	FENCEGRD	150.18
1,175	410765.23	3777558.67	FENCEGRD	150.29
1,176	410770.12	3777558.60	FENCEGRD	150.37
1,177	410775.01	3777558.53	FENCEGRD	150.45
1,178	410779.89	3777558.47	FENCEGRD	150.53
1,179	410784.78	3777558.40	FENCEGRD	150.60
1,180	410789.67	3777558.34	FENCEGRD	150.68
1,181	410794.55	3777558.27	FENCEGRD	150.81
1,182	410799.44	3777558.20	FENCEGRD	150.92
1,183	410804.33	3777558.14	FENCEGRD	151.01
1,184	410809.22	3777558.07	FENCEGRD	151.10
1,185	410814.10	3777558.01	FENCEGRD	151.21
1,186	410818.99	3777557.94	FENCEGRD	151.31
1,187	410823.88	3777557.87	FENCEGRD	151.42
1,188	410828.76	3777557.81	FENCEGRD	151.48
1,189	410833.65	3777557.74	FENCEGRD	151.54
1,190	410838.54	3777557.67	FENCEGRD	151.59
1,191	410843.42	3777557.61	FENCEGRD	151.58
1,192	410848.31	3777557.54	FENCEGRD	151.54
1,193	410853.20	3777557.48	FENCEGRD	151.44
1,194	410673.78	3777563.45	FENCEGRD	148.87
1,195	410665.16	3777557.11	FENCEGRD	148.58
1,196	410682.22	3777564.79	FENCEGRD	149.20
1,197	410687.11	3777564.73	FENCEGRD	149.26
1,198	410691.99	3777564.66	FENCEGRD	149.33
1,199	410696.88	3777564.59	FENCEGRD	149.40
1,200	410701.77	3777564.53	FENCEGRD	149.47
1,201	410706.66	3777564.46	FENCEGRD	149.54
1,202	410711.54	3777564.40	FENCEGRD	149.62
1,203	410716.43	3777564.33	FENCEGRD	149.71
1,204	410721.32	3777564.26	FENCEGRD	149.79
1,205	410726.20	3777564.20	FENCEGRD	149.89
1,206	410731.09	3777564.13	FENCEGRD	149.98
1,207	410735.98	3777564.06	FENCEGRD	150.06
1,208	410740.86	3777564.00	FENCEGRD	150.14

Receptor Pathway

AERMOD

1,209	410745.75	3777563.93	FENCEGRD	150.23
1,210	410750.64	3777563.87	FENCEGRD	150.33
1,211	410755.53	3777563.80	FENCEGRD	150.43
1,212	410760.41	3777563.73	FENCEGRD	150.53
1,213	410765.30	3777563.67	FENCEGRD	150.63
1,214	410770.19	3777563.60	FENCEGRD	150.71
1,215	410775.07	3777563.53	FENCEGRD	150.78
1,216	410779.96	3777563.47	FENCEGRD	150.84
1,217	410784.85	3777563.40	FENCEGRD	150.89
1,218	410789.73	3777563.34	FENCEGRD	150.95
1,219	410794.62	3777563.27	FENCEGRD	151.08
1,220	410799.51	3777563.20	FENCEGRD	151.20
1,221	410804.40	3777563.14	FENCEGRD	151.28
1,222	410809.28	3777563.07	FENCEGRD	151.37
1,223	410814.17	3777563.00	FENCEGRD	151.48
1,224	410819.06	3777562.94	FENCEGRD	151.59
1,225	410823.94	3777562.87	FENCEGRD	151.70
1,226	410828.83	3777562.81	FENCEGRD	151.77
1,227	410833.72	3777562.74	FENCEGRD	151.83
1,228	410838.61	3777562.67	FENCEGRD	151.90
1,229	410843.49	3777562.61	FENCEGRD	151.90
1,230	410848.38	3777562.54	FENCEGRD	151.85
1,231	410853.27	3777562.47	FENCEGRD	151.69
1,232	410858.15	3777562.41	FENCEGRD	151.52
1,233	410673.85	3777568.45	FENCEGRD	149.88
1,234	410666.75	3777565.62	FENCEGRD	149.21
1,235	410661.68	3777560.70	FENCEGRD	148.73
1,236	410682.29	3777569.79	FENCEGRD	150.33
1,237	410687.18	3777569.73	FENCEGRD	150.34
1,238	410692.06	3777569.66	FENCEGRD	150.42
1,239	410696.95	3777569.59	FENCEGRD	150.51
1,240	410701.84	3777569.53	FENCEGRD	150.63
1,241	410706.72	3777569.46	FENCEGRD	150.71
1,242	410711.61	3777569.39	FENCEGRD	150.78
1,243	410716.50	3777569.33	FENCEGRD	150.93
1,244	410721.38	3777569.26	FENCEGRD	151.09
1,245	410726.27	3777569.20	FENCEGRD	151.16
1,246	410731.16	3777569.13	FENCEGRD	151.26

Receptor Pathway

AERMOD

1,247	410736.05	3777569.06	FENCEGRD	151.42
1,248	410740.93	3777569.00	FENCEGRD	151.55
1,249	410745.82	3777568.93	FENCEGRD	151.66
1,250	410750.71	3777568.86	FENCEGRD	151.67
1,251	410755.59	3777568.80	FENCEGRD	151.67
1,252	410760.48	3777568.73	FENCEGRD	151.70
1,253	410765.37	3777568.67	FENCEGRD	151.76
1,254	410770.25	3777568.60	FENCEGRD	151.89
1,255	410775.14	3777568.53	FENCEGRD	151.95
1,256	410780.03	3777568.47	FENCEGRD	151.96
1,257	410784.92	3777568.40	FENCEGRD	152.00
1,258	410789.80	3777568.34	FENCEGRD	152.04
1,259	410794.69	3777568.27	FENCEGRD	152.09
1,260	410799.58	3777568.20	FENCEGRD	152.16
1,261	410804.46	3777568.14	FENCEGRD	152.27
1,262	410809.35	3777568.07	FENCEGRD	152.38
1,263	410814.24	3777568.00	FENCEGRD	152.50
1,264	410819.12	3777567.94	FENCEGRD	152.59
1,265	410824.01	3777567.87	FENCEGRD	152.67
1,266	410828.90	3777567.81	FENCEGRD	152.72
1,267	410833.79	3777567.74	FENCEGRD	152.77
1,268	410838.67	3777567.67	FENCEGRD	152.82
1,269	410843.56	3777567.61	FENCEGRD	152.82
1,270	410848.45	3777567.54	FENCEGRD	152.80
1,271	410853.33	3777567.47	FENCEGRD	152.41
1,272	410673.03	3777573.09	FENCEGRD	150.85
1,273	410668.59	3777571.33	FENCEGRD	150.37
1,274	410664.15	3777569.56	FENCEGRD	150.05
1,275	410657.82	3777563.41	FENCEGRD	148.82
1,276	410655.92	3777559.03	FENCEGRD	148.60
1,277	410654.03	3777554.64	FENCEGRD	148.38
1,278	410677.47	3777574.86	FENCEGRD	151.53
1,279	410682.36	3777574.79	FENCEGRD	151.54
1,280	410687.24	3777574.73	FENCEGRD	151.52
1,281	410692.13	3777574.66	FENCEGRD	151.62
1,282	410697.02	3777574.59	FENCEGRD	151.73
1,283	410701.90	3777574.53	FENCEGRD	151.87
1,284	410706.79	3777574.46	FENCEGRD	151.96

Receptor Pathway

AERMOD

1,285	410711.68	3777574.39	FENCEGRD	152.02
1,286	410716.56	3777574.33	FENCEGRD	152.22
1,287	410721.45	3777574.26	FENCEGRD	152.44
1,288	410726.34	3777574.20	FENCEGRD	152.49
1,289	410731.23	3777574.13	FENCEGRD	152.58
1,290	410736.11	3777574.06	FENCEGRD	152.81
1,291	410741.00	3777574.00	FENCEGRD	152.99
1,292	410745.89	3777573.93	FENCEGRD	153.11
1,293	410750.77	3777573.86	FENCEGRD	153.06
1,294	410755.66	3777573.80	FENCEGRD	152.97
1,295	410760.55	3777573.73	FENCEGRD	152.93
1,296	410765.44	3777573.67	FENCEGRD	152.95
1,297	410770.32	3777573.60	FENCEGRD	153.11
1,298	410775.21	3777573.53	FENCEGRD	153.16
1,299	410780.10	3777573.47	FENCEGRD	153.13
1,300	410784.98	3777573.40	FENCEGRD	153.16
1,301	410789.87	3777573.33	FENCEGRD	153.19
1,302	410794.76	3777573.27	FENCEGRD	153.15
1,303	410799.64	3777573.20	FENCEGRD	153.17
1,304	410804.53	3777573.14	FENCEGRD	153.31
1,305	410809.42	3777573.07	FENCEGRD	153.44
1,306	410814.31	3777573.00	FENCEGRD	153.55
1,307	410819.19	3777572.94	FENCEGRD	153.61
1,308	410824.08	3777572.87	FENCEGRD	153.66
1,309	410828.97	3777572.81	FENCEGRD	153.70
1,310	410833.85	3777572.74	FENCEGRD	153.74
1,311	410838.74	3777572.67	FENCEGRD	153.76
1,312	410843.63	3777572.61	FENCEGRD	153.77
1,313	410848.51	3777572.54	FENCEGRD	153.76
1,314	410853.40	3777572.47	FENCEGRD	153.12
1,315	410858.29	3777572.41	FENCEGRD	152.39
1,316	410682.02	3777549.79	FENCEINT	148.60
1,317	410686.90	3777549.73	FENCEINT	148.77
1,318	410691.79	3777549.66	FENCEINT	148.78
1,319	410696.68	3777549.60	FENCEINT	148.79
1,320	410701.57	3777549.53	FENCEINT	148.86
1,321	410706.45	3777549.46	FENCEINT	148.93
1,322	410711.34	3777549.40	FENCEINT	149.02

Receptor Pathway

AERMOD

1,323	410716.23	3777549.33	FENCEINT	149.10
1,324	410721.11	3777549.26	FENCEINT	149.18
1,325	410726.00	3777549.20	FENCEINT	149.26
1,326	410730.89	3777549.13	FENCEINT	149.34
1,327	410735.77	3777549.07	FENCEINT	149.41
1,328	410740.66	3777549.00	FENCEINT	149.48
1,329	410745.55	3777548.93	FENCEINT	149.55
1,330	410750.44	3777548.87	FENCEINT	149.63
1,331	410755.32	3777548.80	FENCEINT	149.70
1,332	410760.21	3777548.73	FENCEINT	149.78
1,333	410765.10	3777548.67	FENCEINT	149.87
1,334	410769.98	3777548.60	FENCEINT	149.95
1,335	410774.87	3777548.54	FENCEINT	150.05
1,336	410779.76	3777548.47	FENCEINT	150.16
1,337	410784.64	3777548.40	FENCEINT	150.20
1,338	410789.53	3777548.34	FENCEINT	150.22
1,339	410794.42	3777548.27	FENCEINT	150.30
1,340	410799.31	3777548.20	FENCEINT	150.38
1,341	410804.19	3777548.14	FENCEINT	150.45
1,342	410809.08	3777548.07	FENCEINT	150.52
1,343	410813.97	3777548.01	FENCEINT	150.59
1,344	410818.85	3777547.94	FENCEINT	150.66
1,345	410823.74	3777547.87	FENCEINT	150.74
1,346	410828.63	3777547.81	FENCEINT	150.79
1,347	410833.51	3777547.74	FENCEINT	150.84
1,348	410838.40	3777547.67	FENCEINT	150.89
1,349	410843.29	3777547.61	FENCEINT	150.94
1,350	410848.18	3777547.54	FENCEINT	151.00
1,351	410853.06	3777547.48	FENCEINT	151.20
1,352	410857.89	3777542.49	FENCEINT	151.70
1,353	410857.82	3777537.57	FENCEINT	151.48
1,354	410857.76	3777532.65	FENCEINT	151.14
1,355	410857.70	3777527.73	FENCEINT	151.05
1,356	410857.64	3777522.81	FENCEINT	151.05
1,357	410857.57	3777517.89	FENCEINT	151.02
1,358	410857.51	3777512.97	FENCEINT	150.98
1,359	410857.45	3777508.05	FENCEINT	150.97
1,360	410857.39	3777503.13	FENCEINT	150.97

Receptor Pathway

AERMOD

1,361	410857.32	3777498.20	FENCEINT	150.94
1,362	410857.26	3777493.28	FENCEINT	150.89
1,363	410857.20	3777488.36	FENCEINT	150.85
1,364	410857.13	3777483.44	FENCEINT	150.83
1,365	410857.07	3777478.52	FENCEINT	150.79
1,366	410857.01	3777473.60	FENCEINT	150.71
1,367	410856.95	3777468.68	FENCEINT	150.64
1,368	410856.88	3777463.76	FENCEINT	150.61
1,369	410856.82	3777458.84	FENCEINT	150.59
1,370	410856.76	3777453.92	FENCEINT	150.68
1,371	410856.69	3777449.00	FENCEINT	150.77
1,372	410856.63	3777444.08	FENCEINT	150.76
1,373	410856.57	3777439.16	FENCEINT	150.75
1,374	410856.51	3777434.24	FENCEINT	150.67
1,375	410856.44	3777429.32	FENCEINT	150.58
1,376	410856.38	3777424.40	FENCEINT	150.56
1,377	410856.32	3777419.48	FENCEINT	150.54
1,378	410856.26	3777414.56	FENCEINT	150.50
1,379	410856.19	3777409.63	FENCEINT	150.45
1,380	410856.13	3777404.71	FENCEINT	150.40
1,381	410856.07	3777399.79	FENCEINT	150.36
1,382	410856.00	3777394.87	FENCEINT	150.31
1,383	410855.94	3777389.95	FENCEINT	150.27
1,384	410855.88	3777385.03	FENCEINT	150.23
1,385	410855.82	3777380.11	FENCEINT	150.20
1,386	410855.75	3777375.19	FENCEINT	150.16
1,387	410855.69	3777370.27	FENCEINT	150.12
1,388	410855.63	3777365.35	FENCEINT	150.09
1,389	410855.56	3777360.43	FENCEINT	150.07
1,390	410855.50	3777355.51	FENCEINT	150.05
1,391	410855.44	3777350.59	FENCEINT	150.02
1,392	410855.38	3777345.67	FENCEINT	150.01
1,393	410855.31	3777340.75	FENCEINT	150.03
1,394	410855.25	3777335.83	FENCEINT	150.03
1,395	410855.19	3777330.91	FENCEINT	149.92
1,396	410855.13	3777325.99	FENCEINT	149.81
1,397	410855.06	3777321.06	FENCEINT	149.85
1,398	410855.00	3777316.14	FENCEINT	149.89

Receptor Pathway

AERMOD

1,399	410854.94	3777311.22	FENCEINT	149.88
1,400	410854.87	3777306.30	FENCEINT	149.87
1,401	410854.81	3777301.38	FENCEINT	149.86
1,402	410854.75	3777296.46	FENCEINT	149.86
1,403	410854.69	3777291.54	FENCEINT	149.87
1,404	410854.62	3777286.62	FENCEINT	149.88
1,405	410849.59	3777281.67	FENCEINT	149.77
1,406	410844.62	3777281.65	FENCEINT	149.68
1,407	410839.66	3777281.62	FENCEINT	149.62
1,408	410834.69	3777281.59	FENCEINT	149.59
1,409	410829.72	3777281.56	FENCEINT	149.58
1,410	410824.75	3777281.54	FENCEINT	149.58
1,411	410819.78	3777281.51	FENCEINT	149.57
1,412	410814.82	3777281.48	FENCEINT	149.57
1,413	410809.85	3777281.45	FENCEINT	149.54
1,414	410804.88	3777281.43	FENCEINT	149.49
1,415	410799.91	3777281.40	FENCEINT	149.42
1,416	410794.94	3777281.37	FENCEINT	149.34
1,417	410789.98	3777281.34	FENCEINT	149.21
1,418	410785.01	3777281.32	FENCEINT	149.10
1,419	410780.04	3777281.29	FENCEINT	149.00
1,420	410775.07	3777281.26	FENCEINT	148.94
1,421	410770.10	3777281.23	FENCEINT	148.89
1,422	410765.14	3777281.21	FENCEINT	148.82
1,423	410760.17	3777281.18	FENCEINT	148.77
1,424	410755.20	3777281.15	FENCEINT	148.77
1,425	410750.23	3777281.13	FENCEINT	148.76
1,426	410745.26	3777281.10	FENCEINT	148.72
1,427	410740.29	3777281.07	FENCEINT	148.70
1,428	410735.33	3777281.04	FENCEINT	148.68
1,429	410730.36	3777281.02	FENCEINT	148.65
1,430	410725.39	3777280.99	FENCEINT	148.63
1,431	410720.42	3777280.96	FENCEINT	148.60
1,432	410715.45	3777280.93	FENCEINT	148.56
1,433	410710.49	3777280.91	FENCEINT	148.50
1,434	410705.52	3777280.88	FENCEINT	148.47
1,435	410700.55	3777280.85	FENCEINT	148.44
1,436	410695.58	3777280.82	FENCEINT	148.37

Receptor Pathway

AERMOD

1,437	410690.61	3777280.80	FENCEINT	148.31
1,438	410685.65	3777280.77	FENCEINT	148.28
1,439	410680.68	3777280.74	FENCEINT	148.22
1,440	410675.71	3777280.72	FENCEINT	148.15
1,441	410670.74	3777280.69	FENCEINT	148.09
1,442	410665.77	3777280.66	FENCEINT	148.03
1,443	410660.81	3777280.63	FENCEINT	147.96
1,444	410655.84	3777280.61	FENCEINT	147.89
1,445	410650.87	3777280.58	FENCEINT	147.83
1,446	410645.90	3777280.55	FENCEINT	147.77
1,447	410640.93	3777280.52	FENCEINT	147.73
1,448	410635.97	3777280.50	FENCEINT	147.70
1,449	410631.00	3777280.47	FENCEINT	147.65
1,450	410626.03	3777280.44	FENCEINT	147.59
1,451	410621.06	3777280.41	FENCEINT	147.54
1,452	410616.09	3777280.39	FENCEINT	147.50
1,453	410611.13	3777280.36	FENCEINT	147.44
1,454	410606.16	3777280.33	FENCEINT	147.38
1,455	410601.19	3777280.30	FENCEINT	147.33
1,456	410596.22	3777280.28	FENCEINT	147.28
1,457	410591.25	3777280.25	FENCEINT	147.23
1,458	410586.29	3777280.22	FENCEINT	147.16
1,459	410581.32	3777280.20	FENCEINT	147.09
1,460	410576.35	3777280.17	FENCEINT	147.01
1,461	410571.38	3777280.14	FENCEINT	146.93
1,462	410566.41	3777280.11	FENCEINT	146.87
1,463	410561.44	3777280.09	FENCEINT	146.81
1,464	410556.48	3777280.06	FENCEINT	146.75
1,465	410551.51	3777280.03	FENCEINT	146.68
1,466	410546.54	3777280.00	FENCEINT	146.60
1,467	410541.57	3777279.98	FENCEINT	146.45
1,468	410536.60	3777279.95	FENCEINT	146.30
1,469	410531.64	3777279.92	FENCEINT	146.15
1,470	410526.67	3777279.89	FENCEINT	146.05
1,471	410521.70	3777279.87	FENCEINT	145.97
1,472	410516.73	3777279.84	FENCEINT	145.93
1,473	410511.76	3777279.81	FENCEINT	145.88
1,474	410506.80	3777279.78	FENCEINT	145.80

Receptor Pathway

AERMOD

1,475	410501.83	3777279.76	FENCEINT	145.75
1,476	410496.97	3777284.62	FENCEINT	145.64
1,477	410497.09	3777289.51	FENCEINT	145.54
1,478	410497.20	3777294.40	FENCEINT	145.35
1,479	410497.32	3777299.29	FENCEINT	145.19
1,480	410497.43	3777304.18	FENCEINT	145.22
1,481	410497.54	3777309.07	FENCEINT	145.24
1,482	410497.66	3777313.97	FENCEINT	145.17
1,483	410497.77	3777318.86	FENCEINT	145.09
1,484	410497.88	3777323.75	FENCEINT	145.05
1,485	410498.00	3777328.64	FENCEINT	145.01
1,486	410498.11	3777333.53	FENCEINT	145.13
1,487	410498.23	3777338.42	FENCEINT	145.28
1,488	410498.34	3777343.31	FENCEINT	145.37
1,489	410498.45	3777348.20	FENCEINT	145.45
1,490	410498.57	3777353.09	FENCEINT	145.48
1,491	410498.68	3777357.98	FENCEINT	145.48
1,492	410498.79	3777362.87	FENCEINT	145.53
1,493	410498.91	3777367.76	FENCEINT	145.60
1,494	410499.02	3777372.66	FENCEINT	145.66
1,495	410499.14	3777377.55	FENCEINT	145.70
1,496	410499.25	3777382.44	FENCEINT	145.73
1,497	410499.36	3777387.33	FENCEINT	145.74
1,498	410499.48	3777392.22	FENCEINT	145.75
1,499	410499.59	3777397.11	FENCEINT	145.80
1,500	410499.70	3777402.00	FENCEINT	145.84
1,501	410499.82	3777406.89	FENCEINT	145.90
1,502	410499.93	3777411.78	FENCEINT	145.96
1,503	410500.05	3777416.67	FENCEINT	145.99
1,504	410500.16	3777421.56	FENCEINT	146.02
1,505	410500.27	3777426.45	FENCEINT	146.03
1,506	410500.39	3777431.35	FENCEINT	146.05
1,507	410500.50	3777436.24	FENCEINT	146.06
1,508	410500.61	3777441.13	FENCEINT	146.07
1,509	410500.73	3777446.02	FENCEINT	146.08
1,510	410500.84	3777450.91	FENCEINT	146.08
1,511	410500.96	3777455.80	FENCEINT	146.05
1,512	410506.06	3777460.68	FENCEINT	146.03

Receptor Pathway

AERMOD

1,513	410511.05	3777460.67	FENCEINT	146.09
1,514	410516.04	3777460.65	FENCEINT	146.14
1,515	410521.03	3777460.64	FENCEINT	146.18
1,516	410526.02	3777460.63	FENCEINT	146.21
1,517	410531.01	3777460.62	FENCEINT	146.24
1,518	410536.00	3777460.61	FENCEINT	146.27
1,519	410540.99	3777460.59	FENCEINT	146.31
1,520	410545.98	3777460.58	FENCEINT	146.34
1,521	410550.97	3777460.57	FENCEINT	146.37
1,522	410555.96	3777460.56	FENCEINT	146.42
1,523	410560.95	3777460.55	FENCEINT	146.47
1,524	410565.94	3777460.53	FENCEINT	146.52
1,525	410570.93	3777460.52	FENCEINT	146.57
1,526	410575.92	3777460.51	FENCEINT	146.63
1,527	410580.91	3777460.50	FENCEINT	146.69
1,528	410585.90	3777460.49	FENCEINT	146.75
1,529	410590.88	3777460.47	FENCEINT	146.81
1,530	410595.87	3777460.46	FENCEINT	146.87
1,531	410600.86	3777460.45	FENCEINT	146.94
1,532	410605.85	3777460.44	FENCEINT	146.98
1,533	410610.84	3777460.43	FENCEINT	147.02
1,534	410615.83	3777460.41	FENCEINT	147.04
1,535	410620.82	3777460.40	FENCEINT	147.08
1,536	410625.81	3777460.39	FENCEINT	147.13
1,537	410630.80	3777460.38	FENCEINT	147.24
1,538	410635.79	3777460.37	FENCEINT	147.34
1,539	410640.78	3777460.35	FENCEINT	147.40
1,540	410645.77	3777460.34	FENCEINT	147.47
1,541	410650.76	3777460.33	FENCEINT	147.54
1,542	410655.75	3777460.32	FENCEINT	147.61
1,543	410660.74	3777460.31	FENCEINT	147.66
1,544	410665.73	3777460.29	FENCEINT	147.70
1,545	410670.72	3777460.28	FENCEINT	147.75
1,546	410675.79	3777465.25	FENCEINT	147.75
1,547	410675.87	3777470.22	FENCEINT	147.70
1,548	410675.95	3777475.20	FENCEINT	147.82
1,549	410676.03	3777480.18	FENCEINT	147.99
1,550	410676.10	3777485.16	FENCEINT	148.07

Receptor Pathway

AERMOD

1,551	410676.18	3777490.13	FENCEINT	148.10
1,552	410676.26	3777495.11	FENCEINT	148.12
1,553	410676.34	3777500.09	FENCEINT	148.14
1,554	410676.42	3777505.07	FENCEINT	148.10
1,555	410676.50	3777510.04	FENCEINT	148.02
1,556	410676.58	3777515.02	FENCEINT	148.06
1,557	410676.66	3777520.00	FENCEINT	148.21
1,558	410676.74	3777524.97	FENCEINT	148.31
1,559	410676.81	3777529.95	FENCEINT	148.36
1,560	410676.89	3777534.93	FENCEINT	148.38
1,561	410676.97	3777539.91	FENCEINT	148.39
1,562	410677.05	3777544.88	FENCEINT	148.41
1,563	410677.13	3777549.86	FENCEPRI	148.46
1,564	410857.95	3777547.41	FENCEPRI	151.39
1,565	410854.56	3777281.70	FENCEPRI	149.88
1,566	410496.86	3777279.73	FENCEPRI	145.71
1,567	410501.07	3777460.69	FENCEPRI	146.01
1,568	410675.71	3777460.27	FENCEPRI	147.81

Plant Boundary Receptors

Cartesian Plant Boundary

Primary

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	410677.13	3777549.86	FENCEPRI	148.46	
2	410857.95	3777547.41	FENCEPRI	151.39	
3	410854.56	3777281.70	FENCEPRI	149.88	
4	410496.86	3777279.73	FENCEPRI	145.71	
5	410501.07	3777460.69	FENCEPRI	146.01	
6	410675.71	3777460.27	FENCEPRI	147.81	

Intermediate

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	410682.02	3777549.79	FENCEINT	148.60	
2	410686.90	3777549.73	FENCEINT	148.77	
3	410691.79	3777549.66	FENCEINT	148.78	
4	410696.68	3777549.60	FENCEINT	148.79	
5	410701.57	3777549.53	FENCEINT	148.86	
6	410706.45	3777549.46	FENCEINT	148.93	

Receptor Pathway

AERMOD

7	410711.34	3777549.40	FENCEINT	149.02	
8	410716.23	3777549.33	FENCEINT	149.10	
9	410721.11	3777549.26	FENCEINT	149.18	
10	410726.00	3777549.20	FENCEINT	149.26	
11	410730.89	3777549.13	FENCEINT	149.34	
12	410735.77	3777549.07	FENCEINT	149.41	
13	410740.66	3777549.00	FENCEINT	149.48	
14	410745.55	3777548.93	FENCEINT	149.55	
15	410750.44	3777548.87	FENCEINT	149.63	
16	410755.32	3777548.80	FENCEINT	149.70	
17	410760.21	3777548.73	FENCEINT	149.78	
18	410765.10	3777548.67	FENCEINT	149.87	
19	410769.98	3777548.60	FENCEINT	149.95	
20	410774.87	3777548.54	FENCEINT	150.05	
21	410779.76	3777548.47	FENCEINT	150.16	
22	410784.64	3777548.40	FENCEINT	150.20	
23	410789.53	3777548.34	FENCEINT	150.22	
24	410794.42	3777548.27	FENCEINT	150.30	
25	410799.31	3777548.20	FENCEINT	150.38	
26	410804.19	3777548.14	FENCEINT	150.45	
27	410809.08	3777548.07	FENCEINT	150.52	
28	410813.97	3777548.01	FENCEINT	150.59	
29	410818.85	3777547.94	FENCEINT	150.66	
30	410823.74	3777547.87	FENCEINT	150.74	
31	410828.63	3777547.81	FENCEINT	150.79	
32	410833.51	3777547.74	FENCEINT	150.84	
33	410838.40	3777547.67	FENCEINT	150.89	
34	410843.29	3777547.61	FENCEINT	150.94	
35	410848.18	3777547.54	FENCEINT	151.00	
36	410853.06	3777547.48	FENCEINT	151.20	
37	410857.89	3777542.49	FENCEINT	151.70	
38	410857.82	3777537.57	FENCEINT	151.48	
39	410857.76	3777532.65	FENCEINT	151.14	
40	410857.70	3777527.73	FENCEINT	151.05	
41	410857.64	3777522.81	FENCEINT	151.05	
42	410857.57	3777517.89	FENCEINT	151.02	
43	410857.51	3777512.97	FENCEINT	150.98	
44	410857.45	3777508.05	FENCEINT	150.97	
45	410857.39	3777503.13	FENCEINT	150.97	
46	410857.32	3777498.20	FENCEINT	150.94	
47	410857.26	3777493.28	FENCEINT	150.89	

Receptor Pathway

AERMOD

48	410857.20	3777488.36	FENCEINT	150.85	
49	410857.13	3777483.44	FENCEINT	150.83	
50	410857.07	3777478.52	FENCEINT	150.79	
51	410857.01	3777473.60	FENCEINT	150.71	
52	410856.95	3777468.68	FENCEINT	150.64	
53	410856.88	3777463.76	FENCEINT	150.61	
54	410856.82	3777458.84	FENCEINT	150.59	
55	410856.76	3777453.92	FENCEINT	150.68	
56	410856.69	3777449.00	FENCEINT	150.77	
57	410856.63	3777444.08	FENCEINT	150.76	
58	410856.57	3777439.16	FENCEINT	150.75	
59	410856.51	3777434.24	FENCEINT	150.67	
60	410856.44	3777429.32	FENCEINT	150.58	
61	410856.38	3777424.40	FENCEINT	150.56	
62	410856.32	3777419.48	FENCEINT	150.54	
63	410856.26	3777414.56	FENCEINT	150.50	
64	410856.19	3777409.63	FENCEINT	150.45	
65	410856.13	3777404.71	FENCEINT	150.40	
66	410856.07	3777399.79	FENCEINT	150.36	
67	410856.00	3777394.87	FENCEINT	150.31	
68	410855.94	3777389.95	FENCEINT	150.27	
69	410855.88	3777385.03	FENCEINT	150.23	
70	410855.82	3777380.11	FENCEINT	150.20	
71	410855.75	3777375.19	FENCEINT	150.16	
72	410855.69	3777370.27	FENCEINT	150.12	
73	410855.63	3777365.35	FENCEINT	150.09	
74	410855.56	3777360.43	FENCEINT	150.07	
75	410855.50	3777355.51	FENCEINT	150.05	
76	410855.44	3777350.59	FENCEINT	150.02	
77	410855.38	3777345.67	FENCEINT	150.01	
78	410855.31	3777340.75	FENCEINT	150.03	
79	410855.25	3777335.83	FENCEINT	150.03	
80	410855.19	3777330.91	FENCEINT	149.92	
81	410855.13	3777325.99	FENCEINT	149.81	
82	410855.06	3777321.06	FENCEINT	149.85	
83	410855.00	3777316.14	FENCEINT	149.89	
84	410854.94	3777311.22	FENCEINT	149.88	
85	410854.87	3777306.30	FENCEINT	149.87	
86	410854.81	3777301.38	FENCEINT	149.86	
87	410854.75	3777296.46	FENCEINT	149.86	
88	410854.69	3777291.54	FENCEINT	149.87	

Receptor Pathway

AERMOD

89	410854.62	3777286.62	FENCEINT	149.88	
90	410849.59	3777281.67	FENCEINT	149.77	
91	410844.62	3777281.65	FENCEINT	149.68	
92	410839.66	3777281.62	FENCEINT	149.62	
93	410834.69	3777281.59	FENCEINT	149.59	
94	410829.72	3777281.56	FENCEINT	149.58	
95	410824.75	3777281.54	FENCEINT	149.58	
96	410819.78	3777281.51	FENCEINT	149.57	
97	410814.82	3777281.48	FENCEINT	149.57	
98	410809.85	3777281.45	FENCEINT	149.54	
99	410804.88	3777281.43	FENCEINT	149.49	
100	410799.91	3777281.40	FENCEINT	149.42	
101	410794.94	3777281.37	FENCEINT	149.34	
102	410789.98	3777281.34	FENCEINT	149.21	
103	410785.01	3777281.32	FENCEINT	149.10	
104	410780.04	3777281.29	FENCEINT	149.00	
105	410775.07	3777281.26	FENCEINT	148.94	
106	410770.10	3777281.23	FENCEINT	148.89	
107	410765.14	3777281.21	FENCEINT	148.82	
108	410760.17	3777281.18	FENCEINT	148.77	
109	410755.20	3777281.15	FENCEINT	148.77	
110	410750.23	3777281.13	FENCEINT	148.76	
111	410745.26	3777281.10	FENCEINT	148.72	
112	410740.29	3777281.07	FENCEINT	148.70	
113	410735.33	3777281.04	FENCEINT	148.68	
114	410730.36	3777281.02	FENCEINT	148.65	
115	410725.39	3777280.99	FENCEINT	148.63	
116	410720.42	3777280.96	FENCEINT	148.60	
117	410715.45	3777280.93	FENCEINT	148.56	
118	410710.49	3777280.91	FENCEINT	148.50	
119	410705.52	3777280.88	FENCEINT	148.47	
120	410700.55	3777280.85	FENCEINT	148.44	
121	410695.58	3777280.82	FENCEINT	148.37	
122	410690.61	3777280.80	FENCEINT	148.31	
123	410685.65	3777280.77	FENCEINT	148.28	
124	410680.68	3777280.74	FENCEINT	148.22	
125	410675.71	3777280.72	FENCEINT	148.15	
126	410670.74	3777280.69	FENCEINT	148.09	
127	410665.77	3777280.66	FENCEINT	148.03	
128	410660.81	3777280.63	FENCEINT	147.96	
129	410655.84	3777280.61	FENCEINT	147.89	

Receptor Pathway

AERMOD

130	410650.87	3777280.58	FENCEINT	147.83	
131	410645.90	3777280.55	FENCEINT	147.77	
132	410640.93	3777280.52	FENCEINT	147.73	
133	410635.97	3777280.50	FENCEINT	147.70	
134	410631.00	3777280.47	FENCEINT	147.65	
135	410626.03	3777280.44	FENCEINT	147.59	
136	410621.06	3777280.41	FENCEINT	147.54	
137	410616.09	3777280.39	FENCEINT	147.50	
138	410611.13	3777280.36	FENCEINT	147.44	
139	410606.16	3777280.33	FENCEINT	147.38	
140	410601.19	3777280.30	FENCEINT	147.33	
141	410596.22	3777280.28	FENCEINT	147.28	
142	410591.25	3777280.25	FENCEINT	147.23	
143	410586.29	3777280.22	FENCEINT	147.16	
144	410581.32	3777280.20	FENCEINT	147.09	
145	410576.35	3777280.17	FENCEINT	147.01	
146	410571.38	3777280.14	FENCEINT	146.93	
147	410566.41	3777280.11	FENCEINT	146.87	
148	410561.44	3777280.09	FENCEINT	146.81	
149	410556.48	3777280.06	FENCEINT	146.75	
150	410551.51	3777280.03	FENCEINT	146.68	
151	410546.54	3777280.00	FENCEINT	146.60	
152	410541.57	3777279.98	FENCEINT	146.45	
153	410536.60	3777279.95	FENCEINT	146.30	
154	410531.64	3777279.92	FENCEINT	146.15	
155	410526.67	3777279.89	FENCEINT	146.05	
156	410521.70	3777279.87	FENCEINT	145.97	
157	410516.73	3777279.84	FENCEINT	145.93	
158	410511.76	3777279.81	FENCEINT	145.88	
159	410506.80	3777279.78	FENCEINT	145.80	
160	410501.83	3777279.76	FENCEINT	145.75	
161	410496.97	3777284.62	FENCEINT	145.64	
162	410497.09	3777289.51	FENCEINT	145.54	
163	410497.20	3777294.40	FENCEINT	145.35	
164	410497.32	3777299.29	FENCEINT	145.19	
165	410497.43	3777304.18	FENCEINT	145.22	
166	410497.54	3777309.07	FENCEINT	145.24	
167	410497.66	3777313.97	FENCEINT	145.17	
168	410497.77	3777318.86	FENCEINT	145.09	
169	410497.88	3777323.75	FENCEINT	145.05	
170	410498.00	3777328.64	FENCEINT	145.01	

Receptor Pathway

AERMOD

171	410498.11	3777333.53	FENCEINT	145.13	
172	410498.23	3777338.42	FENCEINT	145.28	
173	410498.34	3777343.31	FENCEINT	145.37	
174	410498.45	3777348.20	FENCEINT	145.45	
175	410498.57	3777353.09	FENCEINT	145.48	
176	410498.68	3777357.98	FENCEINT	145.48	
177	410498.79	3777362.87	FENCEINT	145.53	
178	410498.91	3777367.76	FENCEINT	145.60	
179	410499.02	3777372.66	FENCEINT	145.66	
180	410499.14	3777377.55	FENCEINT	145.70	
181	410499.25	3777382.44	FENCEINT	145.73	
182	410499.36	3777387.33	FENCEINT	145.74	
183	410499.48	3777392.22	FENCEINT	145.75	
184	410499.59	3777397.11	FENCEINT	145.80	
185	410499.70	3777402.00	FENCEINT	145.84	
186	410499.82	3777406.89	FENCEINT	145.90	
187	410499.93	3777411.78	FENCEINT	145.96	
188	410500.05	3777416.67	FENCEINT	145.99	
189	410500.16	3777421.56	FENCEINT	146.02	
190	410500.27	3777426.45	FENCEINT	146.03	
191	410500.39	3777431.35	FENCEINT	146.05	
192	410500.50	3777436.24	FENCEINT	146.06	
193	410500.61	3777441.13	FENCEINT	146.07	
194	410500.73	3777446.02	FENCEINT	146.08	
195	410500.84	3777450.91	FENCEINT	146.08	
196	410500.96	3777455.80	FENCEINT	146.05	
197	410506.06	3777460.68	FENCEINT	146.03	
198	410511.05	3777460.67	FENCEINT	146.09	
199	410516.04	3777460.65	FENCEINT	146.14	
200	410521.03	3777460.64	FENCEINT	146.18	
201	410526.02	3777460.63	FENCEINT	146.21	
202	410531.01	3777460.62	FENCEINT	146.24	
203	410536.00	3777460.61	FENCEINT	146.27	
204	410540.99	3777460.59	FENCEINT	146.31	
205	410545.98	3777460.58	FENCEINT	146.34	
206	410550.97	3777460.57	FENCEINT	146.37	
207	410555.96	3777460.56	FENCEINT	146.42	
208	410560.95	3777460.55	FENCEINT	146.47	
209	410565.94	3777460.53	FENCEINT	146.52	
210	410570.93	3777460.52	FENCEINT	146.57	
211	410575.92	3777460.51	FENCEINT	146.63	

Receptor Pathway

AERMOD

212	410580.91	3777460.50	FENCEINT	146.69	
213	410585.90	3777460.49	FENCEINT	146.75	
214	410590.88	3777460.47	FENCEINT	146.81	
215	410595.87	3777460.46	FENCEINT	146.87	
216	410600.86	3777460.45	FENCEINT	146.94	
217	410605.85	3777460.44	FENCEINT	146.98	
218	410610.84	3777460.43	FENCEINT	147.02	
219	410615.83	3777460.41	FENCEINT	147.04	
220	410620.82	3777460.40	FENCEINT	147.08	
221	410625.81	3777460.39	FENCEINT	147.13	
222	410630.80	3777460.38	FENCEINT	147.24	
223	410635.79	3777460.37	FENCEINT	147.34	
224	410640.78	3777460.35	FENCEINT	147.40	
225	410645.77	3777460.34	FENCEINT	147.47	
226	410650.76	3777460.33	FENCEINT	147.54	
227	410655.75	3777460.32	FENCEINT	147.61	
228	410660.74	3777460.31	FENCEINT	147.66	
229	410665.73	3777460.29	FENCEINT	147.70	
230	410670.72	3777460.28	FENCEINT	147.75	
231	410675.79	3777465.25	FENCEINT	147.75	
232	410675.87	3777470.22	FENCEINT	147.70	
233	410675.95	3777475.20	FENCEINT	147.82	
234	410676.03	3777480.18	FENCEINT	147.99	
235	410676.10	3777485.16	FENCEINT	148.07	
236	410676.18	3777490.13	FENCEINT	148.10	
237	410676.26	3777495.11	FENCEINT	148.12	
238	410676.34	3777500.09	FENCEINT	148.14	
239	410676.42	3777505.07	FENCEINT	148.10	
240	410676.50	3777510.04	FENCEINT	148.02	
241	410676.58	3777515.02	FENCEINT	148.06	
242	410676.66	3777520.00	FENCEINT	148.21	
243	410676.74	3777524.97	FENCEINT	148.31	
244	410676.81	3777529.95	FENCEINT	148.36	
245	410676.89	3777534.93	FENCEINT	148.38	
246	410676.97	3777539.91	FENCEINT	148.39	
247	410677.05	3777544.88	FENCEINT	148.41	

Receptor Pathway

AERMOD

Receptor Groups

Record Number	Group ID	Group Description
1	FENCEPRI	Cartesian plant boundary Primary Receptors
2	FENCEGRD	Receptors generated from Fenceline Grid
3	FENCEINT	Cartesian plant boundary Intermediate Receptors

Source Pathway - Source Inputs

AERMOD

Area Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/ (s-m ²)]	Length of X Side [m]	Length of Y Side [m]	Orientation Angle from North [deg]	Initial Vertical Dim. [m]
AREA	AREA1	410188.74 I210	3777583.15	150.37	3.28	2.82E-8	1011.77	46.05	0.00	

Source Pathway

AERMOD

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Results Summary

C:\Lakes\DuarteStation_10m_20190711\DuarteStation_10m_20190711.isc

PM10 - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.04336	ug/m^3	410657.82	3777563.41	148.82	10.00	155.99	

HARP2 - HRACalc (dated 19044) 7/12/2019 8:10:26 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: Cancer
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors

Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: ON
16 years to 70 years: ON

TIER 2 SETTINGS
Tier2 not used.

Calculating cancer risk
Cancer risk saved to: C:\Users\pgleason\Desktop\DuarteStationSP_HRA\Ground
Cancer\DSSP_Ground_North_Cancer_CancerRisk.csv
HRA ran successfully

Duarte Station Specific Plan Draft EIR
HARP Output - MEIR

*HARP - HRACalc v19044 7/12/2019 8:10:26 AM - Cancer Risk - Input File: C:\Users\pgleason\Desktop\

INDEX	GRP1	GRP2	POLID	POLABBRE	CONC	RISK_SUM	SCENARIO	DETAILS
1			9901	DieselExhP	0.0597	4.07E-05	30YrCancer	*

PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVE	PASTURE_(FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00	NA	NA	0.00E+00	0.00E+00	0.00E+00