

APPENDIX A:
AIR QUALITY MODELING WORKSHEETS

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Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Winter

Enlightenment Plaza_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
General Light Industry	7.81	1000sqft	1.93	7,810.00	0
Single Family Housing	3.00	Dwelling Unit	0.16	1,516.00	9

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2019
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - For the Existing Conditions scenario ignore all construction data.

Land Use - Existing conditions includes 3 SF dwelling units (1,516 sf) and 7,810 sf of light industrial (ATT service yard). This scenario excludes 3838 Oakwood as that property is to remain as office use with no change in land use or floor area.

Construction Phase - Ignore all construction data.

Off-road Equipment - Ignore all construction data.

Vehicle Trips - ADT rates were adjusted to match the Traffic Study assumptions for existing uses, which were based on manual driveway counts in 2019.

Woodstoves - No woodstoves or fireplaces observed for existing uses.

Energy Use - Historic Title 24 applied for all energy use.

Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	10/22/2019	9/25/2019
tblEnergyUse	LightingElect	3.85	3.10
tblEnergyUse	NT24E	5,089.81	6,155.97
tblEnergyUse	NT24NG	5,819.00	4,831.00
tblEnergyUse	Refrigerator	1,251.38	827.00
tblEnergyUse	T24E	2.94	2.25
tblEnergyUse	T24E	467.55	210.90
tblEnergyUse	T24NG	15.35	13.65
tblEnergyUse	T24NG	28,628.82	22,665.25
tblFireplaces	NumberGas	2.55	0.00
tblFireplaces	NumberNoFireplace	0.30	0.00
tblFireplaces	NumberWood	0.15	0.00
tblLandUse	LandUseSquareFeet	5,400.00	1,516.00
tblLandUse	LotAcreage	0.18	1.93
tblLandUse	LotAcreage	0.97	0.16
tblOffRoadEquipment	UsageHours	8.00	1.00
tblTripsAndVMT	WorkerTripNumber	13.00	3.00
tblVehicleTrips	ST_TR	1.32	18.00
tblVehicleTrips	SU_TR	0.68	18.00
tblVehicleTrips	WD_TR	6.97	18.00
tblWoodstoves	NumberCatalytic	0.15	0.00
tblWoodstoves	NumberNoncatalytic	0.15	0.00

2.0 Emissions Summary

Enlightenment Plaza_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	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584
Energy	6.6100e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3200e-003	72.5802
Mobile	0.4240	2.1766	6.1431	0.0193	1.5399	0.0228	1.5628	0.4122	0.0214	0.4336		1,955.3598	1,955.3598	0.1141		1,958.2129
Total	0.6453	2.2383	6.4334	0.0196	1.5399	0.0288	1.5687	0.4122	0.0274	0.4396	0.0000	2,027.9586	2,027.9586	0.1159	1.3200e-003	2,031.2515

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584
Energy	6.6100e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3200e-003	72.5802
Mobile	0.4240	2.1766	6.1431	0.0193	1.5399	0.0228	1.5628	0.4122	0.0214	0.4336		1,955.3598	1,955.3598	0.1141		1,958.2129
Total	0.6453	2.2383	6.4334	0.0196	1.5399	0.0288	1.5687	0.4122	0.0274	0.4396	0.0000	2,027.9586	2,027.9586	0.1159	1.3200e-003	2,031.2515

Enlightenment Plaza_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	9/25/2019	9/25/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	1.00	81	0.73

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Winter

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8908	19.5351	11.6549	0.0186		1.0855	1.0855		1.0010	1.0010		1,842.1373	1,842.1373	0.5646		1,856.2525
Total	1.8908	19.5351	11.6549	0.0186		1.0855	1.0855		1.0010	1.0010		1,842.1373	1,842.1373	0.5646		1,856.2525

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	0.0166	0.0122	0.1327	3.4000e-004	0.0335	2.9000e-004	0.0338	8.8900e-003	2.7000e-004	9.1600e-003		34.2639	34.2639	1.1800e-003		34.2934
Total	0.0166	0.0122	0.1327	3.4000e-004	0.0335	2.9000e-004	0.0338	8.8900e-003	2.7000e-004	9.1600e-003		34.2639	34.2639	1.1800e-003		34.2934

Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Winter

3.2 Demolition - 2019

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	1.8908	19.5351	11.6549	0.0186		1.0855	1.0855		1.0010	1.0010	0.0000	1,842.1373	1,842.1373	0.5646		1,856.2525
Total	1.8908	19.5351	11.6549	0.0186		1.0855	1.0855		1.0010	1.0010	0.0000	1,842.1373	1,842.1373	0.5646		1,856.2525

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	0.0166	0.0122	0.1327	3.4000e-004	0.0335	2.9000e-004	0.0338	8.8900e-003	2.7000e-004	9.1600e-003		34.2639	34.2639	1.1800e-003		34.2934
Total	0.0166	0.0122	0.1327	3.4000e-004	0.0335	2.9000e-004	0.0338	8.8900e-003	2.7000e-004	9.1600e-003		34.2639	34.2639	1.1800e-003		34.2934

4.0 Operational Detail - Mobile

Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4240	2.1766	6.1431	0.0193	1.5399	0.0228	1.5628	0.4122	0.0214	0.4336		1,955.3598	1,955.3598	0.1141		1,958.2129
Unmitigated	0.4240	2.1766	6.1431	0.0193	1.5399	0.0228	1.5628	0.4122	0.0214	0.4336		1,955.3598	1,955.3598	0.1141		1,958.2129

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	140.58	140.58	140.58	622,527	622,527
Single Family Housing	28.56	29.73	25.86	96,847	96,847
Total	169.14	170.31	166.44	719,374	719,374

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	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
Single Family Housing	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: Y

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	6.6100e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3200e-003	72.5802
NaturalGas Unmitigated	6.6100e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3200e-003	72.5802

Enlightenment Plaza_Existing Conditions - 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					
General Light Industry	387.29	4.1800e-003	0.0380	0.0319	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5636	45.5636	8.7000e-004	8.4000e-004	45.8343
Single Family Housing	225.997	2.4400e-003	0.0208	8.8600e-003	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5878	26.5878	5.1000e-004	4.9000e-004	26.7458
Total		6.6200e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3300e-003	72.5802

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					
General Light Industry	0.38729	4.1800e-003	0.0380	0.0319	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5636	45.5636	8.7000e-004	8.4000e-004	45.8343
Single Family Housing	0.225997	2.4400e-003	0.0208	8.8600e-003	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5878	26.5878	5.1000e-004	4.9000e-004	26.7458
Total		6.6200e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3300e-003	72.5802

6.0 Area Detail

6.1 Mitigation Measures Area

Enlightenment Plaza_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	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584
Unmitigated	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584

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	0.0224					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1847					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6900e-003	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003		0.4474	0.4474	4.4000e-004		0.4584
Total	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584

Enlightenment Plaza_Existing Conditions - 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	0.0224					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1847					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6900e-003	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003		0.4474	0.4474	4.4000e-004		0.4584
Total	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584

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

Enlightenment Plaza_Existing Conditions - 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

Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Summer

Enlightenment Plaza_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
General Light Industry	7.81	1000sqft	1.93	7,810.00	0
Single Family Housing	3.00	Dwelling Unit	0.16	1,516.00	9

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2019
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - For the Existing Conditions scenario ignore all construction data.

Land Use - Existing conditions includes 3 SF dwelling units (1,516 sf) and 7,810 sf of light industrial (ATT service yard). This scenario excludes 3838 Oakwood as that property is to remain as office use with no change in land use or floor area.

Construction Phase - Ignore all construction data.

Off-road Equipment - Ignore all construction data.

Vehicle Trips - ADT rates were adjusted to match the Traffic Study assumptions for existing uses, which were based on manual driveway counts in 2019.

Woodstoves - No woodstoves or fireplaces observed for existing uses.

Energy Use - Historic Title 24 applied for all energy use.

Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	PhaseEndDate	10/22/2019	9/25/2019
tblEnergyUse	LightingElect	3.85	3.10
tblEnergyUse	NT24E	5,089.81	6,155.97
tblEnergyUse	NT24NG	5,819.00	4,831.00
tblEnergyUse	Refrigerator	1,251.38	827.00
tblEnergyUse	T24E	2.94	2.25
tblEnergyUse	T24E	467.55	210.90
tblEnergyUse	T24NG	15.35	13.65
tblEnergyUse	T24NG	28,628.82	22,665.25
tblFireplaces	NumberGas	2.55	0.00
tblFireplaces	NumberNoFireplace	0.30	0.00
tblFireplaces	NumberWood	0.15	0.00
tblLandUse	LandUseSquareFeet	5,400.00	1,516.00
tblLandUse	LotAcreage	0.18	1.93
tblLandUse	LotAcreage	0.97	0.16
tblOffRoadEquipment	UsageHours	8.00	1.00
tblTripsAndVMT	WorkerTripNumber	13.00	3.00
tblVehicleTrips	ST_TR	1.32	18.00
tblVehicleTrips	SU_TR	0.68	18.00
tblVehicleTrips	WD_TR	6.97	18.00
tblWoodstoves	NumberCatalytic	0.15	0.00
tblWoodstoves	NumberNoncatalytic	0.15	0.00

2.0 Emissions Summary

Enlightenment Plaza_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	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584
Energy	6.6100e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3200e-003	72.5802
Mobile	0.4348	2.1048	6.5094	0.0203	1.5399	0.0227	1.5626	0.4122	0.0213	0.4335		2,054.9486	2,054.9486	0.1153		2,057.8310
Total	0.6562	2.1665	6.7997	0.0206	1.5399	0.0286	1.5686	0.4122	0.0273	0.4395	0.0000	2,127.5474	2,127.5474	0.1171	1.3200e-003	2,130.8696

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584
Energy	6.6100e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3200e-003	72.5802
Mobile	0.4348	2.1048	6.5094	0.0203	1.5399	0.0227	1.5626	0.4122	0.0213	0.4335		2,054.9486	2,054.9486	0.1153		2,057.8310
Total	0.6562	2.1665	6.7997	0.0206	1.5399	0.0286	1.5686	0.4122	0.0273	0.4395	0.0000	2,127.5474	2,127.5474	0.1171	1.3200e-003	2,130.8696

Enlightenment Plaza_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	9/25/2019	9/25/2019	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	1.00	81	0.73

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	3.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Summer

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8908	19.5351	11.6549	0.0186		1.0855	1.0855		1.0010	1.0010		1,842.1373	1,842.1373	0.5646		1,856.2525
Total	1.8908	19.5351	11.6549	0.0186		1.0855	1.0855		1.0010	1.0010		1,842.1373	1,842.1373	0.5646		1,856.2525

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	0.0150	0.0110	0.1447	3.7000e-004	0.0335	2.9000e-004	0.0338	8.8900e-003	2.7000e-004	9.1600e-003		36.3886	36.3886	1.2500e-003		36.4198
Total	0.0150	0.0110	0.1447	3.7000e-004	0.0335	2.9000e-004	0.0338	8.8900e-003	2.7000e-004	9.1600e-003		36.3886	36.3886	1.2500e-003		36.4198

Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Summer

3.2 Demolition - 2019

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	1.8908	19.5351	11.6549	0.0186		1.0855	1.0855		1.0010	1.0010	0.0000	1,842.1373	1,842.1373	0.5646		1,856.2525
Total	1.8908	19.5351	11.6549	0.0186		1.0855	1.0855		1.0010	1.0010	0.0000	1,842.1373	1,842.1373	0.5646		1,856.2525

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	0.0150	0.0110	0.1447	3.7000e-004	0.0335	2.9000e-004	0.0338	8.8900e-003	2.7000e-004	9.1600e-003		36.3886	36.3886	1.2500e-003		36.4198
Total	0.0150	0.0110	0.1447	3.7000e-004	0.0335	2.9000e-004	0.0338	8.8900e-003	2.7000e-004	9.1600e-003		36.3886	36.3886	1.2500e-003		36.4198

4.0 Operational Detail - Mobile

Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4348	2.1048	6.5094	0.0203	1.5399	0.0227	1.5626	0.4122	0.0213	0.4335		2,054.9486	2,054.9486	0.1153		2,057.8310
Unmitigated	0.4348	2.1048	6.5094	0.0203	1.5399	0.0227	1.5626	0.4122	0.0213	0.4335		2,054.9486	2,054.9486	0.1153		2,057.8310

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	140.58	140.58	140.58	622,527	622,527
Single Family Housing	28.56	29.73	25.86	96,847	96,847
Total	169.14	170.31	166.44	719,374	719,374

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Enlightenment Plaza_Existing Conditions - Los Angeles-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	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
Single Family Housing	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: Y

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	6.6100e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3200e-003	72.5802
NaturalGas Unmitigated	6.6100e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3200e-003	72.5802

Enlightenment Plaza_Existing Conditions - 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					
General Light Industry	387.29	4.1800e-003	0.0380	0.0319	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5636	45.5636	8.7000e-004	8.4000e-004	45.8343
Single Family Housing	225.997	2.4400e-003	0.0208	8.8600e-003	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5878	26.5878	5.1000e-004	4.9000e-004	26.7458
Total		6.6200e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3300e-003	72.5802

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					
General Light Industry	0.38729	4.1800e-003	0.0380	0.0319	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5636	45.5636	8.7000e-004	8.4000e-004	45.8343
Single Family Housing	0.225997	2.4400e-003	0.0208	8.8600e-003	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5878	26.5878	5.1000e-004	4.9000e-004	26.7458
Total		6.6200e-003	0.0588	0.0408	3.6000e-004		4.5700e-003	4.5700e-003		4.5700e-003	4.5700e-003		72.1514	72.1514	1.3800e-003	1.3300e-003	72.5802

6.0 Area Detail

6.1 Mitigation Measures Area

Enlightenment Plaza_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	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584
Unmitigated	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584

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	0.0224					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1847					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6900e-003	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003		0.4474	0.4474	4.4000e-004		0.4584
Total	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584

Enlightenment Plaza_Existing Conditions - 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	0.0224					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1847					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6900e-003	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003		0.4474	0.4474	4.4000e-004		0.4584
Total	0.2148	2.8900e-003	0.2495	1.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	0.4474	0.4474	4.4000e-004	0.0000	0.4584

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

Enlightenment Plaza_Existing Conditions - 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

Enlightenment Plaza - Los Angeles-South Coast County, Summer

Enlightenment Plaza
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	454.00	Dwelling Unit	2.08	247,812.00	564

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot area per survey excludes 3838 Oakwood Avenue. Population estimate is based on 564 persons per Applicant's data for room occupancy.

Construction Phase - Construction schedule conservatively assumes an approximate 24 month buildout.

Off-road Equipment - Equipment added to architectural coating phase (added 3 air compressors, 4 aerial lifts and 2 forklifts).

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	95.00
tblConstructionPhase	NumDays	220.00	350.00
tblConstructionPhase	NumDays	6.00	44.00
tblConstructionPhase	NumDays	3.00	10.00

Enlightenment Plaza - Los Angeles-South Coast County, Summer

tblConstructionPhase	PhaseEndDate	5/2/2022	5/1/2023
tblConstructionPhase	PhaseEndDate	4/4/2022	12/5/2022
tblConstructionPhase	PhaseEndDate	5/31/2021	8/2/2021
tblConstructionPhase	PhaseEndDate	4/18/2022	12/19/2022
tblConstructionPhase	PhaseEndDate	5/21/2021	6/1/2021
tblConstructionPhase	PhaseStartDate	4/19/2022	12/20/2022
tblConstructionPhase	PhaseStartDate	6/1/2021	8/3/2021
tblConstructionPhase	PhaseStartDate	5/22/2021	6/2/2021
tblConstructionPhase	PhaseStartDate	4/5/2022	12/6/2022
tblFireplaces	NumberGas	385.90	0.00
tblFireplaces	NumberNoFireplace	45.40	0.00
tblFireplaces	NumberWood	22.70	0.00
tblGrading	AcresOfGrading	22.00	3.00
tblGrading	AcresOfGrading	15.00	4.50
tblGrading	MaterialExported	0.00	3,040.00
tblGrading	MaterialExported	0.00	845.00
tblLandUse	LandUseSquareFeet	454,000.00	247,812.00
tblLandUse	LotAcreage	11.95	2.08
tblLandUse	Population	1,298.00	564.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	PhaseName		Architectural Coating
tblSequestration	NumberOfNewTrees	0.00	92.00
tblTripsAndVMT	HaulingTripLength	20.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00

Enlightenment Plaza - Los Angeles-South Coast County, Summer

tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripNumber	106.00	120.00
tblTripsAndVMT	HaulingTripNumber	380.00	435.00
tblVehicleTrips	ST_TR	6.39	1.27
tblVehicleTrips	SU_TR	5.86	1.27
tblVehicleTrips	WD_TR	6.65	1.27

2.0 Emissions Summary

Enlightenment Plaza - Los Angeles-South Coast County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.5957	23.3276	28.9774	0.0750	6.4300	1.0428	7.3568	3.4081	0.9733	4.2611	0.0000	7,359.628 0	7,359.628 0	0.8516	0.0000	7,375.612 8
2022	17.6801	19.9985	27.6814	0.0736	3.9688	0.7393	4.7081	1.0597	0.7076	1.7673	0.0000	7,217.251 4	7,217.251 4	0.6175	0.0000	7,232.687 7
2023	17.5917	8.4077	14.4621	0.0261	0.7266	0.4054	1.1319	0.1927	0.3956	0.5883	0.0000	2,523.711 3	2,523.711 3	0.3147	0.0000	2,531.579 4
Maximum	17.6801	23.3276	28.9774	0.0750	6.4300	1.0428	7.3568	3.4081	0.9733	4.2611	0.0000	7,359.628 0	7,359.628 0	0.8516	0.0000	7,375.612 8

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.5957	23.3276	28.9774	0.0750	3.9688	1.0428	4.8253	1.5825	0.9733	2.4355	0.0000	7,359.628 0	7,359.628 0	0.8516	0.0000	7,375.612 8
2022	17.6801	19.9985	27.6814	0.0736	3.9688	0.7393	4.7081	1.0597	0.7076	1.7673	0.0000	7,217.251 4	7,217.251 4	0.6175	0.0000	7,232.687 7
2023	17.5917	8.4077	14.4621	0.0261	0.7266	0.4054	1.1319	0.1927	0.3956	0.5883	0.0000	2,523.711 3	2,523.711 3	0.3147	0.0000	2,531.579 4
Maximum	17.6801	23.3276	28.9774	0.0750	3.9688	1.0428	4.8253	1.5825	0.9733	2.4355	0.0000	7,359.628 0	7,359.628 0	0.8516	0.0000	7,375.612 8

Enlightenment Plaza - 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	22.12	0.00	19.18	39.17	0.00	27.59	0.00	0.00	0.00	0.00	0.00	0.00

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	18.7133	2.2471	148.7402	0.3650		18.3601	18.3601		18.3601	18.3601	2,679.3438	67.4427	2,746.7866	12.5902	0.0000	3,061.5426
Energy	0.1236	1.0565	0.4496	6.7400e-003		0.0854	0.0854		0.0854	0.0854		1,348.7480	1,348.7480	0.0259	0.0247	1,356.7630
Mobile	0.9508	3.9385	13.1374	0.0498	4.1896	0.0363	4.2260	1.1212	0.0338	1.1550		5,071.8748	5,071.8748	0.2411		5,077.9024
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	23.0699	21.9197	170.6959	0.4373	4.1896	18.9647	23.1543	1.1212	18.9621	20.0833	2,679.3438	8,167.0938	10,846.4376	13.0926	0.0247	11,181.1212

Enlightenment Plaza - Los Angeles-South Coast County, Summer

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	lb/day										lb/day					
Area	6.4602	0.4319	37.4639	1.9800e-003		0.2074	0.2074		0.2074	0.2074	0.0000	67.4427	67.4427	0.0649	0.0000	69.0641
Energy	0.1178	1.0062	0.4282	6.4200e-003		0.0814	0.0814		0.0814	0.0814		1,284.5670	1,284.5670	0.0246	0.0236	1,292.2005
Mobile	0.9508	3.9385	13.1374	0.0498	4.1896	0.0363	4.2260	1.1212	0.0338	1.1550		5,071.8748	5,071.8748	0.2411		5,077.9024
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	10.8109	20.0541	59.3983	0.0740	4.1896	0.8079	4.9975	1.1212	0.8053	1.9265	0.0000	8,102.9127	8,102.9127	0.5660	0.0236	8,124.0803

	ROG	NOx	CO	SO2	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	53.14	8.51	65.20	83.09	0.00	95.74	78.42	0.00	95.75	90.41	100.00	0.79	25.29	95.68	4.77	27.34

3.0 Construction Detail

Construction Phase

Enlightenment Plaza - Los Angeles-South Coast County, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/21/2021	5/18/2021	5	20	
2	Site Preparation	Site Preparation	5/19/2021	6/1/2021	5	10	
3	Grading	Grading	6/2/2021	8/2/2021	5	44	
4	Building Construction	Building Construction	8/3/2021	12/5/2022	5	350	
5	Paving	Paving	12/6/2022	12/19/2022	5	10	
6	Architectural Coating	Architectural Coating	12/20/2022	5/1/2023	5	95	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 501,819; Residential Outdoor: 167,273; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Enlightenment Plaza - 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	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Aerial Lifts	4	6.00	63	0.31
Architectural Coating	Air Compressors	4	6.00	78	0.48
Architectural Coating	Forklifts	2	6.00	89	0.20

Trips and VMT

Enlightenment Plaza - 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	5	13.00	0.00	43.00	14.70	6.90	8.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	120.00	14.70	6.90	25.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	435.00	14.70	6.90	25.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	327.00	49.00	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	10	65.00	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 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4625	0.0000	0.4625	0.0700	0.0000	0.0700			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	0.4625	1.0409	1.5034	0.0700	0.9715	1.0415		2,322.7171	2,322.7171	0.5940		2,337.5658

Enlightenment Plaza - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.2100e-003	0.3509	0.0689	8.1000e-004	0.0151	7.5000e-004	0.0158	4.1300e-003	7.2000e-004	4.8500e-003		87.5412	87.5412	6.9500e-003		87.7149
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0557	0.0383	0.5236	1.4900e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		148.0401	148.0401	4.3600e-003		148.1491
Total	0.0649	0.3892	0.5925	2.3000e-003	0.1604	1.9200e-003	0.1623	0.0427	1.8000e-003	0.0445		235.5812	235.5812	0.0113		235.8640

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2081	0.0000	0.2081	0.0315	0.0000	0.0315			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	0.2081	1.0409	1.2490	0.0315	0.9715	1.0030	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

Enlightenment Plaza - Los Angeles-South Coast County, Summer

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.2100e-003	0.3509	0.0689	8.1000e-004	0.0151	7.5000e-004	0.0158	4.1300e-003	7.2000e-004	4.8500e-003		87.5412	87.5412	6.9500e-003		87.7149
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0557	0.0383	0.5236	1.4900e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		148.0401	148.0401	4.3600e-003		148.1491
Total	0.0649	0.3892	0.5925	2.3000e-003	0.1604	1.9200e-003	0.1623	0.0427	1.8000e-003	0.0445		235.5812	235.5812	0.0113		235.8640

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4868	0.0000	0.4868	0.0530	0.0000	0.0530			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.8832	2,372.8832	0.7674		2,392.0692
Total	1.5463	18.2862	10.7496	0.0245	0.4868	0.7019	1.1887	0.0530	0.6457	0.6987		2,372.8832	2,372.8832	0.7674		2,392.0692

Enlightenment Plaza - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1203	3.7441	0.9090	0.0114	0.2622	0.0122	0.2745	0.0719	0.0117	0.0836		1,235.3746	1,235.3746	0.0815		1,237.4119
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0343	0.0236	0.3222	9.1000e-004	0.0894	7.2000e-004	0.0901	0.0237	6.7000e-004	0.0244		91.1016	91.1016	2.6800e-003		91.1687
Total	0.1546	3.7676	1.2312	0.0123	0.3516	0.0130	0.3646	0.0956	0.0124	0.1080		1,326.4762	1,326.4762	0.0842		1,328.5806

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2191	0.0000	0.2191	0.0238	0.0000	0.0238			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457	0.0000	2,372.8832	2,372.8832	0.7674		2,392.0692
Total	1.5463	18.2862	10.7496	0.0245	0.2191	0.7019	0.9209	0.0238	0.6457	0.6696	0.0000	2,372.8832	2,372.8832	0.7674		2,392.0692

Enlightenment Plaza - Los Angeles-South Coast County, Summer

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1203	3.7441	0.9090	0.0114	0.2622	0.0122	0.2745	0.0719	0.0117	0.0836		1,235.3746	1,235.3746	0.0815		1,237.4119
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0343	0.0236	0.3222	9.1000e-004	0.0894	7.2000e-004	0.0901	0.0237	6.7000e-004	0.0244		91.1016	91.1016	2.6800e-003		91.1687
Total	0.1546	3.7676	1.2312	0.0123	0.3516	0.0130	0.3646	0.0956	0.0124	0.1080		1,326.4762	1,326.4762	0.0842		1,328.5806

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1022	0.0000	6.1022	3.3192	0.0000	3.3192			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	6.1022	0.9158	7.0180	3.3192	0.8425	4.1617		1,995.6114	1,995.6114	0.6454		2,011.7470

Enlightenment Plaza - Los Angeles-South Coast County, Summer

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0991	3.0846	0.7489	9.3800e-003	0.2160	0.0101	0.2261	0.0592	9.6500e-003	0.0689		1,017.7802	1,017.7802	0.0671		1,019.4587
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
Total	0.1420	3.1141	1.1517	0.0105	0.3278	0.0110	0.3388	0.0889	0.0105	0.0993		1,131.6572	1,131.6572	0.0705		1,133.4196

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					2.7460	0.0000	2.7460	1.4937	0.0000	1.4937			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	2.7460	0.9158	3.6617	1.4937	0.8425	2.3361	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470

Enlightenment Plaza - Los Angeles-South Coast County, Summer

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0991	3.0846	0.7489	9.3800e-003	0.2160	0.0101	0.2261	0.0592	9.6500e-003	0.0689		1,017.780 2	1,017.780 2	0.0671		1,019.458 7
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
Total	0.1420	3.1141	1.1517	0.0105	0.3278	0.0110	0.3388	0.0889	0.0105	0.0993		1,131.657 2	1,131.657 2	0.0705		1,133.419 6

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	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.935 5	2,288.935 5	0.4503		2,300.193 5
Total	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.935 5	2,288.935 5	0.4503		2,300.193 5

Enlightenment Plaza - 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	0.1489	4.7574	1.2437	0.0126	0.3137	9.7300e-003	0.3234	0.0903	9.3000e-003	0.0996		1,346.9151	1,346.9151	0.0794		1,348.8989
Worker	1.4017	0.9635	13.1707	0.0374	3.6551	0.0295	3.6846	0.9694	0.0272	0.9966		3,723.7774	3,723.7774	0.1097		3,726.5204
Total	1.5507	5.7209	14.4144	0.0500	3.9688	0.0393	4.0081	1.0597	0.0365	1.0962		5,070.6925	5,070.6925	0.1891		5,075.4193

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	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503		2,300.1935
Total	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503		2,300.1935

Enlightenment Plaza - 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	0.1489	4.7574	1.2437	0.0126	0.3137	9.7300e-003	0.3234	0.0903	9.3000e-003	0.0996		1,346.9151	1,346.9151	0.0794		1,348.8989
Worker	1.4017	0.9635	13.1707	0.0374	3.6551	0.0295	3.6846	0.9694	0.0272	0.9966		3,723.7774	3,723.7774	0.1097		3,726.5204
Total	1.5507	5.7209	14.4144	0.0500	3.9688	0.0393	4.0081	1.0597	0.0365	1.0962		5,070.6925	5,070.6925	0.1891		5,075.4193

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	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

Enlightenment Plaza - 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	0.1398	4.5242	1.1767	0.0125	0.3137	8.5000e-003	0.3222	0.0903	8.1300e-003	0.0985		1,335.1809	1,335.1809	0.0766		1,337.0964
Worker	1.3130	0.8703	12.1514	0.0361	3.6551	0.0286	3.6837	0.9694	0.0264	0.9957		3,592.7893	3,592.7893	0.0992		3,595.2683
Total	1.4528	5.3945	13.3281	0.0485	3.9688	0.0371	4.0059	1.0597	0.0345	1.0942		4,927.9701	4,927.9701	0.1758		4,932.3647

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	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

Enlightenment Plaza - 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	0.1398	4.5242	1.1767	0.0125	0.3137	8.5000e-003	0.3222	0.0903	8.1300e-003	0.0985		1,335.1809	1,335.1809	0.0766		1,337.0964
Worker	1.3130	0.8703	12.1514	0.0361	3.6551	0.0286	3.6837	0.9694	0.0264	0.9957		3,592.7893	3,592.7893	0.0992		3,595.2683
Total	1.4528	5.3945	13.3281	0.0485	3.9688	0.0371	4.0059	1.0597	0.0345	1.0942		4,927.9701	4,927.9701	0.1758		4,932.3647

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356

Enlightenment Plaza - Los Angeles-South Coast County, Summer

3.6 Paving - 2022

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Enlightenment Plaza - Los Angeles-South Coast County, Summer

3.6 Paving - 2022

Mitigated Construction Off-Site

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

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0967	8.8971	12.2669	0.0192		0.4629	0.4629		0.4520	0.4520		1,835.6980	1,835.6980	0.3029		1,843.2703
Total	17.4191	8.8971	12.2669	0.0192		0.4629	0.4629		0.4520	0.4520		1,835.6980	1,835.6980	0.3029		1,843.2703

Enlightenment Plaza - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2610	0.1730	2.4154	7.1700e-003	0.7266	5.6900e-003	0.7322	0.1927	5.2400e-003	0.1979		714.1630	714.1630	0.0197		714.6558
Total	0.2610	0.1730	2.4154	7.1700e-003	0.7266	5.6900e-003	0.7322	0.1927	5.2400e-003	0.1979		714.1630	714.1630	0.0197		714.6558

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	16.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0967	8.8971	12.2669	0.0192		0.4629	0.4629		0.4520	0.4520	0.0000	1,835.6980	1,835.6980	0.3029		1,843.2703
Total	17.4191	8.8971	12.2669	0.0192		0.4629	0.4629		0.4520	0.4520	0.0000	1,835.6980	1,835.6980	0.3029		1,843.2703

Enlightenment Plaza - Los Angeles-South Coast County, Summer

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2610	0.1730	2.4154	7.1700e-003	0.7266	5.6900e-003	0.7322	0.1927	5.2400e-003	0.1979		714.1630	714.1630	0.0197		714.6558
Total	0.2610	0.1730	2.4154	7.1700e-003	0.7266	5.6900e-003	0.7322	0.1927	5.2400e-003	0.1979		714.1630	714.1630	0.0197		714.6558

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	16.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0243	8.2512	12.2377	0.0192		0.3999	0.3999		0.3905	0.3905		1,835.6980	1,835.6980	0.2970		1,843.1218
Total	17.3466	8.2512	12.2377	0.0192		0.3999	0.3999		0.3905	0.3905		1,835.6980	1,835.6980	0.2970		1,843.1218

Enlightenment Plaza - 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	0.2451	0.1565	2.2244	6.9000e-003	0.7266	5.5300e-003	0.7321	0.1927	5.0900e-003	0.1978		688.0133	688.0133	0.0178		688.4576
Total	0.2451	0.1565	2.2244	6.9000e-003	0.7266	5.5300e-003	0.7321	0.1927	5.0900e-003	0.1978		688.0133	688.0133	0.0178		688.4576

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	16.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0243	8.2512	12.2377	0.0192		0.3999	0.3999		0.3905	0.3905	0.0000	1,835.6980	1,835.6980	0.2970		1,843.1218
Total	17.3466	8.2512	12.2377	0.0192		0.3999	0.3999		0.3905	0.3905	0.0000	1,835.6980	1,835.6980	0.2970		1,843.1218

Enlightenment Plaza - 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	0.2451	0.1565	2.2244	6.9000e-003	0.7266	5.5300e-003	0.7321	0.1927	5.0900e-003	0.1978		688.0133	688.0133	0.0178		688.4576
Total	0.2451	0.1565	2.2244	6.9000e-003	0.7266	5.5300e-003	0.7321	0.1927	5.0900e-003	0.1978		688.0133	688.0133	0.0178		688.4576

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Enlightenment Plaza - 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	0.9508	3.9385	13.1374	0.0498	4.1896	0.0363	4.2260	1.1212	0.0338	1.1550		5,071.8748	5,071.8748	0.2411		5,077.9024
Unmitigated	0.9508	3.9385	13.1374	0.0498	4.1896	0.0363	4.2260	1.1212	0.0338	1.1550		5,071.8748	5,071.8748	0.2411		5,077.9024

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	576.58	576.58	576.58	1,970,261	1,970,261
Total	576.58	576.58	576.58	1,970,261	1,970,261

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

Enlightenment Plaza - Los Angeles-South Coast County, Summer

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1178	1.0062	0.4282	6.4200e-003		0.0814	0.0814		0.0814	0.0814		1,284.5670	1,284.5670	0.0246	0.0236	1,292.2005
NaturalGas Unmitigated	0.1236	1.0565	0.4496	6.7400e-003		0.0854	0.0854		0.0854	0.0854		1,348.7480	1,348.7480	0.0259	0.0247	1,356.7630

Enlightenment Plaza - 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	11464.4	0.1236	1.0565	0.4496	6.7400e-003		0.0854	0.0854		0.0854	0.0854		1,348.7480	1,348.7480	0.0259	0.0247	1,356.7630
Total		0.1236	1.0565	0.4496	6.7400e-003		0.0854	0.0854		0.0854	0.0854		1,348.7480	1,348.7480	0.0259	0.0247	1,356.7630

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	10.9188	0.1178	1.0062	0.4282	6.4200e-003		0.0814	0.0814		0.0814	0.0814		1,284.5670	1,284.5670	0.0246	0.0236	1,292.2005
Total		0.1178	1.0062	0.4282	6.4200e-003		0.0814	0.0814		0.0814	0.0814		1,284.5670	1,284.5670	0.0246	0.0236	1,292.2005

6.0 Area Detail

6.1 Mitigation Measures Area

Enlightenment Plaza - Los Angeles-South Coast County, Summer

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.4602	0.4319	37.4639	1.9800e-003		0.2074	0.2074		0.2074	0.2074	0.0000	67.4427	67.4427	0.0649	0.0000	69.0641
Unmitigated	18.7133	2.2471	148.7402	0.3650		18.3601	18.3601		18.3601	18.3601	2,679.3438	67.4427	2,746.7866	12.5902	0.0000	3,061.5426

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	0.4248					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9067					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12.2531	1.8153	111.2763	0.3631		18.1527	18.1527		18.1527	18.1527	2,679.3438	0.0000	2,679.3438	12.5254	0.0000	2,992.4785
Landscaping	1.1287	0.4319	37.4639	1.9800e-003		0.2074	0.2074		0.2074	0.2074		67.4427	67.4427	0.0649		69.0641
Total	18.7133	2.2471	148.7402	0.3650		18.3601	18.3601		18.3601	18.3601	2,679.3438	67.4427	2,746.7866	12.5902	0.0000	3,061.5426

Enlightenment Plaza - 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	0.4248					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9067					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1287	0.4319	37.4639	1.9800e-003		0.2074	0.2074		0.2074	0.2074		67.4427	67.4427	0.0649		69.0641
Total	6.4602	0.4319	37.4639	1.9800e-003		0.2074	0.2074		0.2074	0.2074	0.0000	67.4427	67.4427	0.0649	0.0000	69.0641

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Use Water Efficient Landscaping

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Enlightenment Plaza - Los Angeles-South Coast County, Summer

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
Emergency Generator	4	0.5	12	1000	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2
Total	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2

11.0 Vegetation

Enlightenment Plaza - Los Angeles-South Coast County, Winter

Enlightenment Plaza
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	454.00	Dwelling Unit	2.08	247,812.00	564

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Lot area per survey excludes 3838 Oakwood Avenue. Population estimate is based on 564 persons per Applicant's data for room occupancy.

Construction Phase - Construction schedule conservatively assumes an approximate 24 month buildout.

Off-road Equipment - Equipment added to architectural coating phase (added 3 air compressors, 4 aerial lifts and 2 forklifts).

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	95.00
tblConstructionPhase	NumDays	220.00	350.00
tblConstructionPhase	NumDays	6.00	44.00
tblConstructionPhase	NumDays	3.00	10.00

Enlightenment Plaza - Los Angeles-South Coast County, Winter

tblConstructionPhase	PhaseEndDate	5/2/2022	5/1/2023
tblConstructionPhase	PhaseEndDate	4/4/2022	12/5/2022
tblConstructionPhase	PhaseEndDate	5/31/2021	8/2/2021
tblConstructionPhase	PhaseEndDate	4/18/2022	12/19/2022
tblConstructionPhase	PhaseEndDate	5/21/2021	6/1/2021
tblConstructionPhase	PhaseStartDate	4/19/2022	12/20/2022
tblConstructionPhase	PhaseStartDate	6/1/2021	8/3/2021
tblConstructionPhase	PhaseStartDate	5/22/2021	6/2/2021
tblConstructionPhase	PhaseStartDate	4/5/2022	12/6/2022
tblFireplaces	NumberGas	385.90	0.00
tblFireplaces	NumberNoFireplace	45.40	0.00
tblFireplaces	NumberWood	22.70	0.00
tblGrading	AcresOfGrading	22.00	3.00
tblGrading	AcresOfGrading	15.00	4.50
tblGrading	MaterialExported	0.00	3,040.00
tblGrading	MaterialExported	0.00	845.00
tblLandUse	LandUseSquareFeet	454,000.00	247,812.00
tblLandUse	LotAcreage	11.95	2.08
tblLandUse	Population	1,298.00	564.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	PhaseName		Architectural Coating
tblOffRoadEquipment	PhaseName		Architectural Coating
tblSequestration	NumberOfNewTrees	0.00	92.00
tblTripsAndVMT	HaulingTripLength	20.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	25.00

Enlightenment Plaza - Los Angeles-South Coast County, Winter

tblTripsAndVMT	HaulingTripLength	20.00	25.00
tblTripsAndVMT	HaulingTripNumber	106.00	120.00
tblTripsAndVMT	HaulingTripNumber	380.00	435.00
tblVehicleTrips	ST_TR	6.39	1.27
tblVehicleTrips	SU_TR	5.86	1.27
tblVehicleTrips	WD_TR	6.65	1.27

2.0 Emissions Summary

Enlightenment Plaza - Los Angeles-South Coast County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.7606	23.3801	27.9807	0.0725	6.4300	1.0429	7.3569	3.4081	0.9733	4.2612	0.0000	7,105.1897	7,105.1897	0.8539	0.0000	7,121.1413
2022	17.7102	20.0791	26.7466	0.0711	3.9688	0.7396	4.7084	1.0597	0.7079	1.7675	0.0000	6,970.6778	6,970.6778	0.6164	0.0000	6,986.0882
2023	17.6209	8.4244	14.2642	0.0257	0.7266	0.4054	1.1319	0.1927	0.3956	0.5883	0.0000	2,483.5664	2,483.5664	0.3136	0.0000	2,491.4070
Maximum	17.7102	23.3801	27.9807	0.0725	6.4300	1.0429	7.3569	3.4081	0.9733	4.2612	0.0000	7,105.1897	7,105.1897	0.8539	0.0000	7,121.1413

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	3.7606	23.3801	27.9807	0.0725	3.9688	1.0429	4.8256	1.5825	0.9733	2.4356	0.0000	7,105.1897	7,105.1897	0.8539	0.0000	7,121.1413
2022	17.7102	20.0791	26.7466	0.0711	3.9688	0.7396	4.7084	1.0597	0.7079	1.7675	0.0000	6,970.6778	6,970.6778	0.6164	0.0000	6,986.0882
2023	17.6209	8.4244	14.2642	0.0257	0.7266	0.4054	1.1319	0.1927	0.3956	0.5883	0.0000	2,483.5664	2,483.5664	0.3136	0.0000	2,491.4070
Maximum	17.7102	23.3801	27.9807	0.0725	3.9688	1.0429	4.8256	1.5825	0.9733	2.4356	0.0000	7,105.1897	7,105.1897	0.8539	0.0000	7,121.1413

Enlightenment Plaza - 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	22.12	0.00	19.18	39.17	0.00	27.59	0.00	0.00	0.00	0.00	0.00	0.00

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	18.7133	2.2471	148.7402	0.3650		18.3601	18.3601		18.3601	18.3601	2,679.3438	67.4427	2,746.7866	12.5902	0.0000	3,061.5426
Energy	0.1236	1.0565	0.4496	6.7400e-003		0.0854	0.0854		0.0854	0.0854		1,348.7480	1,348.7480	0.0259	0.0247	1,356.7630
Mobile	0.9210	4.0406	12.4213	0.0474	4.1896	0.0365	4.2261	1.1212	0.0340	1.1551		4,829.2377	4,829.2377	0.2399		4,835.2363
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	23.0400	22.0218	169.9798	0.4349	4.1896	18.9648	23.1544	1.1212	18.9623	20.0834	2,679.3438	7,924.4567	10,603.8006	13.0914	0.0247	10,938.4552

Enlightenment Plaza - Los Angeles-South Coast County, Winter

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	lb/day										lb/day					
Area	6.4602	0.4319	37.4639	1.9800e-003		0.2074	0.2074		0.2074	0.2074	0.0000	67.4427	67.4427	0.0649	0.0000	69.0641
Energy	0.1178	1.0062	0.4282	6.4200e-003		0.0814	0.0814		0.0814	0.0814		1,284.5670	1,284.5670	0.0246	0.0236	1,292.2005
Mobile	0.9210	4.0406	12.4213	0.0474	4.1896	0.0365	4.2261	1.1212	0.0340	1.1551		4,829.2377	4,829.2377	0.2399		4,835.2363
Stationary	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.0282	1,679.0282	0.2354		1,684.9132
Total	10.7810	20.1562	58.6822	0.0716	4.1896	0.8080	4.9976	1.1212	0.8055	1.9266	0.0000	7,860.2757	7,860.2757	0.5648	0.0236	7,881.4142

	ROG	NOx	CO	SO2	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	53.21	8.47	65.48	83.55	0.00	95.74	78.42	0.00	95.75	90.41	100.00	0.81	25.87	95.69	4.77	27.95

3.0 Construction Detail

Construction Phase

Enlightenment Plaza - Los Angeles-South Coast County, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/21/2021	5/18/2021	5	20	
2	Site Preparation	Site Preparation	5/19/2021	6/1/2021	5	10	
3	Grading	Grading	6/2/2021	8/2/2021	5	44	
4	Building Construction	Building Construction	8/3/2021	12/5/2022	5	350	
5	Paving	Paving	12/6/2022	12/19/2022	5	10	
6	Architectural Coating	Architectural Coating	12/20/2022	5/1/2023	5	95	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 501,819; Residential Outdoor: 167,273; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Enlightenment Plaza - 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	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Aerial Lifts	4	6.00	63	0.31
Architectural Coating	Air Compressors	4	6.00	78	0.48
Architectural Coating	Forklifts	2	6.00	89	0.20

Trips and VMT

Enlightenment Plaza - 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	5	13.00	0.00	43.00	14.70	6.90	8.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	120.00	14.70	6.90	25.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	435.00	14.70	6.90	25.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	327.00	49.00	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	10	65.00	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 - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4625	0.0000	0.4625	0.0700	0.0000	0.0700			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	0.4625	1.0409	1.5034	0.0700	0.9715	1.0415		2,322.7171	2,322.7171	0.5940		2,337.5658

Enlightenment Plaza - Los Angeles-South Coast County, Winter

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.6500e-003	0.3491	0.0775	7.8000e-004	0.0151	7.8000e-004	0.0159	4.1300e-003	7.5000e-004	4.8800e-003		84.3886	84.3886	7.3900e-003		84.5732
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0620	0.0424	0.4787	1.4000e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		139.3926	139.3926	4.1000e-003		139.4952
Total	0.0716	0.3915	0.5563	2.1800e-003	0.1604	1.9500e-003	0.1623	0.0427	1.8300e-003	0.0445		223.7812	223.7812	0.0115		224.0684

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2081	0.0000	0.2081	0.0315	0.0000	0.0315			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	0.2081	1.0409	1.2490	0.0315	0.9715	1.0030	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

Enlightenment Plaza - Los Angeles-South Coast County, Winter

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	9.6500e-003	0.3491	0.0775	7.8000e-004	0.0151	7.8000e-004	0.0159	4.1300e-003	7.5000e-004	4.8800e-003		84.3886	84.3886	7.3900e-003		84.5732
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0620	0.0424	0.4787	1.4000e-003	0.1453	1.1700e-003	0.1465	0.0385	1.0800e-003	0.0396		139.3926	139.3926	4.1000e-003		139.4952
Total	0.0716	0.3915	0.5563	2.1800e-003	0.1604	1.9500e-003	0.1623	0.0427	1.8300e-003	0.0445		223.7812	223.7812	0.0115		224.0684

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4868	0.0000	0.4868	0.0530	0.0000	0.0530			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.8832	2,372.8832	0.7674		2,392.0692
Total	1.5463	18.2862	10.7496	0.0245	0.4868	0.7019	1.1887	0.0530	0.6457	0.6987		2,372.8832	2,372.8832	0.7674		2,392.0692

Enlightenment Plaza - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1227	3.8040	0.9535	0.0112	0.2622	0.0124	0.2746	0.0719	0.0119	0.0837		1,217.7788	1,217.7788	0.0839		1,219.8767
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0382	0.0261	0.2946	8.6000e-004	0.0894	7.2000e-004	0.0901	0.0237	6.7000e-004	0.0244		85.7801	85.7801	2.5200e-003		85.8432
Total	0.1609	3.8301	1.2481	0.0121	0.3516	0.0131	0.3648	0.0956	0.0125	0.1081		1,303.5589	1,303.5589	0.0864		1,305.7199

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2191	0.0000	0.2191	0.0238	0.0000	0.0238			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457	0.0000	2,372.8832	2,372.8832	0.7674		2,392.0692
Total	1.5463	18.2862	10.7496	0.0245	0.2191	0.7019	0.9209	0.0238	0.6457	0.6696	0.0000	2,372.8832	2,372.8832	0.7674		2,392.0692

Enlightenment Plaza - Los Angeles-South Coast County, Winter

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1227	3.8040	0.9535	0.0112	0.2622	0.0124	0.2746	0.0719	0.0119	0.0837		1,217.7788	1,217.7788	0.0839		1,219.8767
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0382	0.0261	0.2946	8.6000e-004	0.0894	7.2000e-004	0.0901	0.0237	6.7000e-004	0.0244		85.7801	85.7801	2.5200e-003		85.8432
Total	0.1609	3.8301	1.2481	0.0121	0.3516	0.0131	0.3648	0.0956	0.0125	0.1081		1,303.5589	1,303.5589	0.0864		1,305.7199

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.1022	0.0000	6.1022	3.3192	0.0000	3.3192			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	6.1022	0.9158	7.0180	3.3192	0.8425	4.1617		1,995.6114	1,995.6114	0.6454		2,011.7470

Enlightenment Plaza - Los Angeles-South Coast County, Winter

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1011	3.1340	0.7856	9.2500e-003	0.2160	0.0102	0.2262	0.0592	9.7700e-003	0.0690		1,003.2836	1,003.2836	0.0691		1,005.0121
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
Total	0.1488	3.1666	1.1538	0.0103	0.3278	0.0111	0.3389	0.0889	0.0106	0.0995		1,110.5088	1,110.5088	0.0723		1,112.3161

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					2.7460	0.0000	2.7460	1.4937	0.0000	1.4937			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	2.7460	0.9158	3.6617	1.4937	0.8425	2.3361	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470

Enlightenment Plaza - Los Angeles-South Coast County, Winter

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1011	3.1340	0.7856	9.2500e-003	0.2160	0.0102	0.2262	0.0592	9.7700e-003	0.0690		1,003.2836	1,003.2836	0.0691		1,005.0121
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
Total	0.1488	3.1666	1.1538	0.0103	0.3278	0.0111	0.3389	0.0889	0.0106	0.0995		1,110.5088	1,110.5088	0.0723		1,112.3161

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	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.9355	2,288.9355	0.4503		2,300.1935
Total	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.9355	2,288.9355	0.4503		2,300.1935

Enlightenment Plaza - 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	0.1564	4.7476	1.3758	0.0123	0.3137	0.0100	0.3237	0.0903	9.6000e-003	0.0999		1,309.9931	1,309.9931	0.0846		1,312.1073
Worker	1.5592	1.0665	12.0420	0.0352	3.6551	0.0295	3.6846	0.9694	0.0272	0.9966		3,506.2611	3,506.2611	0.1032		3,508.8405
Total	1.7156	5.8141	13.4177	0.0475	3.9688	0.0396	4.0084	1.0597	0.0368	1.0965		4,816.2541	4,816.2541	0.1878		4,820.9478

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	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503		2,300.1935
Total	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503		2,300.1935

Enlightenment Plaza - 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	0.1564	4.7476	1.3758	0.0123	0.3137	0.0100	0.3237	0.0903	9.6000e-003	0.0999		1,309.9931	1,309.9931	0.0846			1,312.1073
Worker	1.5592	1.0665	12.0420	0.0352	3.6551	0.0295	3.6846	0.9694	0.0272	0.9966		3,506.2611	3,506.2611	0.1032			3,508.8405
Total	1.7156	5.8141	13.4177	0.0475	3.9688	0.0396	4.0084	1.0597	0.0368	1.0965		4,816.2541	4,816.2541	0.1878			4,820.9478

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	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417			2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417			2,300.3230

Enlightenment Plaza - 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	0.1468	4.5119	1.3023	0.0121	0.3137	8.7800e-003	0.3225	0.0903	8.4000e-003	0.0987		1,298.3544	1,298.3544	0.0816		1,300.3943
Worker	1.4644	0.9632	11.0911	0.0340	3.6551	0.0286	3.6837	0.9694	0.0264	0.9957		3,383.0421	3,383.0421	0.0932		3,385.3709
Total	1.6112	5.4750	12.3933	0.0461	3.9688	0.0374	4.0062	1.0597	0.0348	1.0944		4,681.3965	4,681.3965	0.1748		4,685.7652

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	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

Enlightenment Plaza - 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	0.1468	4.5119	1.3023	0.0121	0.3137	8.7800e-003	0.3225	0.0903	8.4000e-003	0.0987		1,298.3544	1,298.3544	0.0816		1,300.3943
Worker	1.4644	0.9632	11.0911	0.0340	3.6551	0.0286	3.6837	0.9694	0.0264	0.9957		3,383.0421	3,383.0421	0.0932		3,385.3709
Total	1.6112	5.4750	12.3933	0.0461	3.9688	0.0374	4.0062	1.0597	0.0348	1.0944		4,681.3965	4,681.3965	0.1748		4,685.7652

3.6 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356

Enlightenment Plaza - Los Angeles-South Coast County, Winter

3.6 Paving - 2022

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.6892	1,709.6892	0.5419		1,723.2356

Enlightenment Plaza - Los Angeles-South Coast County, Winter

3.6 Paving - 2022

Mitigated Construction Off-Site

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

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0967	8.8971	12.2669	0.0192		0.4629	0.4629		0.4520	0.4520		1,835.6980	1,835.6980	0.3029		1,843.2703
Total	17.4191	8.8971	12.2669	0.0192		0.4629	0.4629		0.4520	0.4520		1,835.6980	1,835.6980	0.3029		1,843.2703

Enlightenment Plaza - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2911	0.1915	2.2047	6.7500e-003	0.7266	5.6900e-003	0.7322	0.1927	5.2400e-003	0.1979		672.4702	672.4702	0.0185		672.9331
Total	0.2911	0.1915	2.2047	6.7500e-003	0.7266	5.6900e-003	0.7322	0.1927	5.2400e-003	0.1979		672.4702	672.4702	0.0185		672.9331

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	16.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0967	8.8971	12.2669	0.0192		0.4629	0.4629		0.4520	0.4520	0.0000	1,835.6980	1,835.6980	0.3029		1,843.2703
Total	17.4191	8.8971	12.2669	0.0192		0.4629	0.4629		0.4520	0.4520	0.0000	1,835.6980	1,835.6980	0.3029		1,843.2703

Enlightenment Plaza - Los Angeles-South Coast County, Winter

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2911	0.1915	2.2047	6.7500e-003	0.7266	5.6900e-003	0.7322	0.1927	5.2400e-003	0.1979		672.4702	672.4702	0.0185		672.9331
Total	0.2911	0.1915	2.2047	6.7500e-003	0.7266	5.6900e-003	0.7322	0.1927	5.2400e-003	0.1979		672.4702	672.4702	0.0185		672.9331

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	16.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0243	8.2512	12.2377	0.0192		0.3999	0.3999		0.3905	0.3905		1,835.6980	1,835.6980	0.2970		1,843.1218
Total	17.3466	8.2512	12.2377	0.0192		0.3999	0.3999		0.3905	0.3905		1,835.6980	1,835.6980	0.2970		1,843.1218

Enlightenment Plaza - 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	0.2742	0.1732	2.0265	6.5000e-003	0.7266	5.5300e-003	0.7321	0.1927	5.0900e-003	0.1978		647.8684	647.8684	0.0167		648.2852
Total	0.2742	0.1732	2.0265	6.5000e-003	0.7266	5.5300e-003	0.7321	0.1927	5.0900e-003	0.1978		647.8684	647.8684	0.0167		648.2852

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	16.3223					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.0243	8.2512	12.2377	0.0192		0.3999	0.3999		0.3905	0.3905	0.0000	1,835.6980	1,835.6980	0.2970		1,843.1218
Total	17.3466	8.2512	12.2377	0.0192		0.3999	0.3999		0.3905	0.3905	0.0000	1,835.6980	1,835.6980	0.2970		1,843.1218

Enlightenment Plaza - 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	0.2742	0.1732	2.0265	6.5000e-003	0.7266	5.5300e-003	0.7321	0.1927	5.0900e-003	0.1978		647.8684	647.8684	0.0167		648.2852
Total	0.2742	0.1732	2.0265	6.5000e-003	0.7266	5.5300e-003	0.7321	0.1927	5.0900e-003	0.1978		647.8684	647.8684	0.0167		648.2852

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Enlightenment Plaza - 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	0.9210	4.0406	12.4213	0.0474	4.1896	0.0365	4.2261	1.1212	0.0340	1.1551		4,829.2377	4,829.2377	0.2399		4,835.2363
Unmitigated	0.9210	4.0406	12.4213	0.0474	4.1896	0.0365	4.2261	1.1212	0.0340	1.1551		4,829.2377	4,829.2377	0.2399		4,835.2363

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	576.58	576.58	576.58	1,970,261	1,970,261
Total	576.58	576.58	576.58	1,970,261	1,970,261

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.545842	0.044768	0.205288	0.119317	0.015350	0.006227	0.020460	0.031333	0.002546	0.002133	0.005184	0.000692	0.000862

5.0 Energy Detail

Historical Energy Use: N

Enlightenment Plaza - Los Angeles-South Coast County, Winter

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Install Energy Efficient Appliances

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1178	1.0062	0.4282	6.4200e-003		0.0814	0.0814		0.0814	0.0814		1,284.5670	1,284.5670	0.0246	0.0236	1,292.2005
NaturalGas Unmitigated	0.1236	1.0565	0.4496	6.7400e-003		0.0854	0.0854		0.0854	0.0854		1,348.7480	1,348.7480	0.0259	0.0247	1,356.7630

Enlightenment Plaza - 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	11464.4	0.1236	1.0565	0.4496	6.7400e-003		0.0854	0.0854		0.0854	0.0854		1,348.7480	1,348.7480	0.0259	0.0247	1,356.7630
Total		0.1236	1.0565	0.4496	6.7400e-003		0.0854	0.0854		0.0854	0.0854		1,348.7480	1,348.7480	0.0259	0.0247	1,356.7630

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	10.9188	0.1178	1.0062	0.4282	6.4200e-003		0.0814	0.0814		0.0814	0.0814		1,284.5670	1,284.5670	0.0246	0.0236	1,292.2005
Total		0.1178	1.0062	0.4282	6.4200e-003		0.0814	0.0814		0.0814	0.0814		1,284.5670	1,284.5670	0.0246	0.0236	1,292.2005

6.0 Area Detail

6.1 Mitigation Measures Area

Enlightenment Plaza - Los Angeles-South Coast County, Winter

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.4602	0.4319	37.4639	1.9800e-003		0.2074	0.2074		0.2074	0.2074	0.0000	67.4427	67.4427	0.0649	0.0000	69.0641
Unmitigated	18.7133	2.2471	148.7402	0.3650		18.3601	18.3601		18.3601	18.3601	2,679.3438	67.4427	2,746.7866	12.5902	0.0000	3,061.5426

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	0.4248					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9067					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12.2531	1.8153	111.2763	0.3631		18.1527	18.1527		18.1527	18.1527	2,679.3438	0.0000	2,679.3438	12.5254	0.0000	2,992.4785
Landscaping	1.1287	0.4319	37.4639	1.9800e-003		0.2074	0.2074		0.2074	0.2074		67.4427	67.4427	0.0649		69.0641
Total	18.7133	2.2471	148.7402	0.3650		18.3601	18.3601		18.3601	18.3601	2,679.3438	67.4427	2,746.7866	12.5902	0.0000	3,061.5426

Enlightenment Plaza - 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	0.4248					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9067					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.1287	0.4319	37.4639	1.9800e-003		0.2074	0.2074		0.2074	0.2074		67.4427	67.4427	0.0649		69.0641
Total	6.4602	0.4319	37.4639	1.9800e-003		0.2074	0.2074		0.2074	0.2074	0.0000	67.4427	67.4427	0.0649	0.0000	69.0641

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Use Water Efficient Landscaping

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

9.0 Operational Offroad

Enlightenment Plaza - Los Angeles-South Coast County, Winter

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
Emergency Generator	4	0.5	12	1000	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (750 - 9999 HP)	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2
Total	3.2821	14.6775	8.3688	0.0158		0.4828	0.4828		0.4828	0.4828		1,679.028 2	1,679.028 2	0.2354		1,684.913 2

11.0 Vegetation