

## **APPENDIX B – AIR QUALITY CALEEMOD**



La Puente Park Master Plan - Los Angeles-South Coast County, Summer

## La Puente Park Master Plan Los Angeles-South Coast County, Summer

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.30	Acre	5.30	230,868.00	0
Parking Lot	3.20	Acre	3.20	139,392.00	0
Other Non-Asphalt Surfaces	0.80	Acre	0.80	34,848.00	0

#### 1.2 Other Project Characteristics

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2020

**Utility Company** Southern California Edison

<b>CO2 Intensity (lb/MW/hr)</b>	702.44	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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#### 1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - City Park 5.3 ac with 6,000 sq ft of new buildings. New/Reconfigured Parking Lots 3.2 ac. Other Non-Asphalt 0.8 ac (BB Cts, Amph, Batting Cages, Splash Area, Stage, Sidewalks)

Construction Phase - Construction Start 1-1-20. Demo 4 weeks, Grading 12 weeks, Building 16 weeks (Painting concurrent with last 4 weeks of Building), Paving 6 weeks

Grading -

Demolition - Approx 1 acre of paved area to be demolished. At 4" deep and 145 lb per cu ft = 1,053 tons of paving debris

Trips and VMT - 6 Vendor Trips added to Demo and Grading to account for water truck emissions

Construction Off-road Equipment Mitigation - Water Exposed Area 2x per day selected to account for SCAQMD Rule 403 minimum requirements

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Table Name	Column Name	Default Value	New Value
tbiConstructionPhase	NumDays	230.00	80.00
tbiConstructionPhase	NumDays	20.00	60.00
tbiConstructionPhase	NumDays	20.00	30.00
tbiConstructionPhase	PhaseEndDate	4/21/2021	8/11/2020
tbiConstructionPhase	PhaseEndDate	2/24/2021	8/11/2020
tbiConstructionPhase	PhaseEndDate	2/26/2020	1/28/2020
tbiConstructionPhase	PhaseEndDate	4/8/2020	4/21/2020
tbiConstructionPhase	PhaseEndDate	3/24/2021	9/22/2020
tbiConstructionPhase	PhaseStartDate	3/25/2021	7/15/2020
tbiConstructionPhase	PhaseStartDate	4/9/2020	4/22/2020
tbiConstructionPhase	PhaseStartDate	1/30/2020	1/1/2020
tbiConstructionPhase	PhaseStartDate	3/12/2020	1/29/2020
tbiConstructionPhase	PhaseStartDate	2/25/2021	8/12/2020
tbiTripsAndVMT	VendorTripNumber	0.00	6.00
tbiTripsAndVMT	VendorTripNumber	0.00	6.00

**2.0 Emissions Summary**



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**2.2 Overall Operational**

**Unmitigated Operational**

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																
Area	0.2207	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0400e-003	2.0400e-003	2.0400e-003	1.0000e-005	0.0000	2.1700e-003
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2352	1.0738	3.0158	9.6500e-003	0.7378	9.6500e-003	0.7475	0.1975	9.0500e-003	0.2065	980.6856	980.6856	980.6856	0.0540	0.0000	982.0362
<b>Total</b>	<b>0.4559</b>	<b>1.0738</b>	<b>3.0167</b>	<b>9.6500e-003</b>	<b>0.7378</b>	<b>9.6500e-003</b>	<b>0.7475</b>	<b>0.1975</b>	<b>9.0500e-003</b>	<b>0.2065</b>	<b>980.6877</b>	<b>980.6877</b>	<b>980.6877</b>	<b>0.0540</b>	<b>0.0000</b>	<b>982.0384</b>

**Mitigated Operational**

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																
Area	0.2207	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0400e-003	2.0400e-003	2.0400e-003	1.0000e-005	0.0000	2.1700e-003
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2352	1.0738	3.0158	9.6500e-003	0.7378	9.6500e-003	0.7475	0.1975	9.0500e-003	0.2065	980.6856	980.6856	980.6856	0.0540	0.0000	982.0362
<b>Total</b>	<b>0.4559</b>	<b>1.0738</b>	<b>3.0167</b>	<b>9.6500e-003</b>	<b>0.7378</b>	<b>9.6500e-003</b>	<b>0.7475</b>	<b>0.1975</b>	<b>9.0500e-003</b>	<b>0.2065</b>	<b>980.6877</b>	<b>980.6877</b>	<b>980.6877</b>	<b>0.0540</b>	<b>0.0000</b>	<b>982.0384</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Grading	Grading	1/29/2020	4/21/2020	5	60	
3	Building Construction	Building Construction	4/22/2020	8/11/2020	5	80	
4	Architectural Coating	Architectural Coating	7/15/2020	8/11/2020	5	20	
5	Paving	Paving	8/12/2020	9/22/2020	5	30	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 30**

**Acres of Paving: 4**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,000; Non-Residential Outdoor: 3,000; Striped Parking Area: 10,454 (Architectural Coating – sqft)**

OffRoad Equipment

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

**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	6	15.00	6.00	104.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	170.00	66.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2020**

**Unmitigated Construction On-Site**

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															
Fugitive Dust					1.1267	0.0000	1.1267	0.1706	0.0000	0.1706			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>1.1267</b>	<b>1.6587</b>	<b>2.7854</b>	<b>0.1706</b>	<b>1.5419</b>	<b>1.7124</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>



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**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

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																
Hauling	0.0454	1.4952	0.3313	4.1100e-003	0.0909	4.7700e-003	0.0957	0.0249	4.5700e-003	0.0295		445.0325	445.0325	0.0303		445.7898
Vendor	0.0213	0.6382	0.1672	1.5600e-003	0.0384	3.0000e-003	0.0414	0.0111	2.8700e-003	0.0139		166.2148	166.2148	0.0101		166.4684
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
<b>Total</b>	<b>0.1358</b>	<b>2.1826</b>	<b>1.1553</b>	<b>7.4400e-003</b>	<b>0.2970</b>	<b>9.1700e-003</b>	<b>0.3062</b>	<b>0.0805</b>	<b>8.7300e-003</b>	<b>0.0892</b>		<b>787.6643</b>	<b>787.6643</b>	<b>0.0460</b>		<b>788.8142</b>

**Mitigated Construction On-Site**

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																
Fugitive Dust					0.5070	0.0000	0.5070	0.0768	0.0000	0.0768			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587	1.5419		1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>0.5070</b>	<b>1.6587</b>	<b>2.1657</b>	<b>0.0768</b>	<b>1.5419</b>	<b>1.6186</b>	<b>0.0000</b>	<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

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**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

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																
Hauling	0.0454	1.4952	0.3313	4.1100e-003	0.0909	4.7700e-003	0.0957	0.0249	4.5700e-003	0.0295		445.0325	445.0325	0.0303		445.7898
Vendor	0.0213	0.6382	0.1672	1.5600e-003	0.0384	3.0000e-003	0.0414	0.0111	2.8700e-003	0.0139		166.2148	166.2148	0.0101		166.4684
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003		176.5560
<b>Total</b>	<b>0.1358</b>	<b>2.1826</b>	<b>1.1553</b>	<b>7.4400e-003</b>	<b>0.2970</b>	<b>9.1700e-003</b>	<b>0.3062</b>	<b>0.0805</b>	<b>8.7300e-003</b>	<b>0.0892</b>		<b>787.6643</b>	<b>787.6643</b>	<b>0.0460</b>		<b>788.8142</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

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																
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734	1.1716	1.1716	1.1716		2,872.485	2,872.485	0.9290		2,895.710
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.2734</b>	<b>7.8258</b>	<b>3.3675</b>	<b>1.1716</b>	<b>4.5390</b>		<b>2,872.485</b>	<b>2,872.485</b>	<b>0.9290</b>		<b>2,895.710</b>

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**3.3 Grading - 2020**

**Unmitigated Construction Off-Site**

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																	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.0213	0.6382	0.1672	1.5600e-003	0.0384	3.0000e-003	0.0414	0.0111	2.8700e-003	0.0139		166.2148	166.2148	0.0101			166.4684
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		176.4169	176.4169	5.5600e-003			176.5560
<b>Total</b>	<b>0.0904</b>	<b>0.6873</b>	<b>0.8240</b>	<b>3.3300e-003</b>	<b>0.2061</b>	<b>4.4000e-003</b>	<b>0.2105</b>	<b>0.0555</b>	<b>4.1600e-003</b>	<b>0.0597</b>		<b>342.6318</b>	<b>342.6318</b>	<b>0.0157</b>			<b>343.0244</b>

**Mitigated Construction On-Site**

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																	
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000				0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734	1.1716	1.1716	1.1716	0.0000	2,872.485	2,872.485	0.9290			2,895.710
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>2.9486</b>	<b>1.2734</b>	<b>4.2220</b>	<b>1.5154</b>	<b>1.1716</b>	<b>2.6869</b>	<b>0.0000</b>	<b>2,872.485</b>	<b>2,872.485</b>	<b>0.9290</b>			<b>2,895.710</b>

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**3.3 Grading - 2020**

**Mitigated Construction Off-Site**

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																	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.0213	0.6382	0.1672	1.5600e-003	0.0384	3.0000e-003	0.0414	0.0111	2.8700e-003	0.0139	166.2148	166.2148	166.2148	0.0101			166.4684
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458	176.4169	176.4169	176.4169	5.5600e-003			176.5560
<b>Total</b>	<b>0.0904</b>	<b>0.6873</b>	<b>0.8240</b>	<b>3.3300e-003</b>	<b>0.2061</b>	<b>4.4000e-003</b>	<b>0.2105</b>	<b>0.0555</b>	<b>4.1600e-003</b>	<b>0.0597</b>	<b>342.6318</b>	<b>342.6318</b>	<b>342.6318</b>	<b>0.0157</b>			<b>343.0244</b>

**3.4 Building Construction - 2020**

**Unmitigated Construction On-Site**

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																	
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229			2,568.6345
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>			<b>2,568.6345</b>

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**3.4 Building Construction - 2020**

**Unmitigated Construction Off-Site**

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.2347	7.0206	1.8395	0.0171	0.4225	0.0330	0.4556	0.1217	0.0316	0.1533	1,828.3630	1,828.3630	1,828.3630	0.1116			1,831.1523
Worker	0.7823	0.5566	7.4434	0.0201	1.9002	0.0159	1.9161	0.5039	0.0146	0.5186	1,999.3919	1,999.3919	1,999.3919	0.0630			2,000.9678
<b>Total</b>	<b>1.0171</b>	<b>7.5771</b>	<b>9.2828</b>	<b>0.0372</b>	<b>2.3227</b>	<b>0.0489</b>	<b>2.3717</b>	<b>0.6256</b>	<b>0.0462</b>	<b>0.6718</b>	<b>3,827.7549</b>	<b>3,827.7549</b>	<b>3,827.7549</b>	<b>0.1746</b>			<b>3,832.1201</b>

**Mitigated Construction On-Site**

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

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**3.4 Building Construction - 2020**  
**Mitigated Construction Off-Site**

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.2347	7.0206	1.8395	0.0171	0.4225	0.0330	0.4556	0.1217	0.0316	0.1533	1,828.3630	1,828.3630	0.1116	1,831.1523			2,000.9678
Worker	0.7823	0.5566	7.4434	0.0201	1.9002	0.0159	1.9161	0.5039	0.0146	0.5186	1,999.3919	1,999.3919	0.0630	2,000.9678			3,832.1201
<b>Total</b>	<b>1.0171</b>	<b>7.5771</b>	<b>9.2828</b>	<b>0.0372</b>	<b>2.3227</b>	<b>0.0489</b>	<b>2.3717</b>	<b>0.6256</b>	<b>0.0462</b>	<b>0.6718</b>	<b>3,827.7549</b>	<b>3,827.7549</b>	<b>0.1746</b>	<b>3,832.1201</b>			

**3.5 Architectural Coating - 2020**  
**Unmitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	5.2037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109			281.4481	0.0218		281.9928
<b>Total</b>	<b>5.4459</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>			<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

La Puente Park Master Plan - Los Angeles-South Coast County, Summer

**3.5 Architectural Coating - 2020**  
**Unmitigated Construction Off-Site**

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1565	0.1113	1.4887	4.0200e-003	0.3800	3.1800e-003	0.3832	0.1008	2.9300e-003	0.1037	399.8784	399.8784	0.0126	0.0126	0.0126	400.1936	400.1936
<b>Total</b>	<b>0.1565</b>	<b>0.1113</b>	<b>1.4887</b>	<b>4.0200e-003</b>	<b>0.3800</b>	<b>3.1800e-003</b>	<b>0.3832</b>	<b>0.1008</b>	<b>2.9300e-003</b>	<b>0.1037</b>	<b>399.8784</b>	<b>399.8784</b>	<b>0.0126</b>	<b>0.0126</b>	<b>0.0126</b>	<b>400.1936</b>	<b>400.1936</b>

**Mitigated Construction On-Site**

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Archit. Coating	5.2037					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003	0.1109	0.1109	0.1109	0.1109	0.1109	0.1109	0.0000	281.4481	281.4481	0.0218	0.0218	281.9928	281.9928
<b>Total</b>	<b>5.4459</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>	<b>0.1109</b>	<b>0.1109</b>	<b>0.1109</b>	<b>0.1109</b>	<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>	<b>0.0218</b>	<b>281.9928</b>	<b>281.9928</b>

La Puente Park Master Plan - Los Angeles-South Coast County, Summer

**3.5 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

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																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1565	0.1113	1.4887	4.0200e-003	0.3800	3.1800e-003	0.3832	0.1008	2.9300e-003	0.1037	399.8784	399.8784	399.8784	0.0126	0.0126	400.1936
<b>Total</b>	<b>0.1565</b>	<b>0.1113</b>	<b>1.4887</b>	<b>4.0200e-003</b>	<b>0.3800</b>	<b>3.1800e-003</b>	<b>0.3832</b>	<b>0.1008</b>	<b>2.9300e-003</b>	<b>0.1037</b>	<b>399.8784</b>	<b>399.8784</b>	<b>399.8784</b>	<b>0.0126</b>	<b>0.0126</b>	<b>400.1936</b>

**3.6 Paving - 2020**

**Unmitigated Construction On-Site**

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																
Off-Road	1.3566	14.0656	14.6521	0.0228	0.7528	0.7528	0.7528	0.6926	0.6926	0.6926	2,207.7334	2,207.7334	2,207.7334	0.7140	0.7140	2,225.5841
Paving	0.2795				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.6360</b>	<b>14.0656</b>	<b>14.6521</b>	<b>0.0228</b>	<b>0.7528</b>	<b>0.7528</b>	<b>0.7528</b>	<b>0.6926</b>	<b>0.6926</b>	<b>0.6926</b>	<b>2,207.7334</b>	<b>2,207.7334</b>	<b>2,207.7334</b>	<b>0.7140</b>	<b>0.7140</b>	<b>2,225.5841</b>



La Puente Park Master Plan - Los Angeles-South Coast County, Summer

**3.6 Paving - 2020**

**Unmitigated Construction Off-Site**

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

**Mitigated Construction On-Site**

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.3566	14.0656	14.6521	0.0228	0.7528	0.7528	0.7528	0.6926	0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140	2,225.5841	2,225.5841	2,225.5841
Paving	0.2795				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.6360</b>	<b>14.0656</b>	<b>14.6521</b>	<b>0.0228</b>	<b>0.7528</b>	<b>0.7528</b>	<b>0.7528</b>	<b>0.6926</b>	<b>0.6926</b>	<b>0.6926</b>	<b>0.0000</b>	<b>2,207.7334</b>	<b>2,207.7334</b>	<b>0.7140</b>	<b>2,225.5841</b>	<b>2,225.5841</b>	<b>2,225.5841</b>

La Puente Park Master Plan - Los Angeles-South Coast County, Summer

**3.6 Paving - 2020**

**Mitigated Construction Off-Site**

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															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0690	0.0491	0.6568	1.7700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458	176.4169	176.4169	176.4169	5.5600e-003		176.5560
<b>Total</b>	<b>0.0690</b>	<b>0.0491</b>	<b>0.6568</b>	<b>1.7700e-003</b>	<b>0.1677</b>	<b>1.4000e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.2900e-003</b>	<b>0.0458</b>	<b>176.4169</b>	<b>176.4169</b>	<b>176.4169</b>	<b>5.5600e-003</b>		<b>176.5560</b>

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

La Puente Park Master Plan - Los Angeles-South Coast County, Summer

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															
Mitigated	0.2352	1.0738	3.0158	9.6500e-003	0.7378	9.6500e-003	0.7475	0.1975	9.0500e-003	0.2065	980.6856	980.6856	980.6856	0.0540		982.0362
Unmitigated	0.2352	1.0738	3.0158	9.6500e-003	0.7378	9.6500e-003	0.7475	0.1975	9.0500e-003	0.2065	980.6856	980.6856	980.6856	0.0540		982.0362

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	10.02	120.58	88.72	106,626	106,626
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	10.02	120.58	88.72	106,626	106,626

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-C	H-O or C-NW	H-S or C-C	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix



La Puente Park Master Plan - Los Angeles-South Coast County, Summer

**5.2 Energy by Land Use - Natural Gas**

Unmitigated

Land Use	Natural Gas Use kBTU/yr	ROG	NOx	CO	SO2	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																	
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

Land Use	Natural Gas Use kBTU/yr	ROG	NOx	CO	SO2	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																	
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

La Puente Park Master Plan - Los Angeles-South Coast County, Summer

**6.1 Mitigation Measures Area**

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															
Mitigated	0.2207	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0400e-003	2.0400e-003	2.0400e-003	1.0000e-005		2.1700e-003
Unmitigated	0.2207	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0400e-003	2.0400e-003	2.0400e-003	1.0000e-005		2.1700e-003

**6.2 Area by SubCategory**

Unmitigated

SubCategory	ROG	NOx	CO	SO2	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															
Architectural Coating	0.0285					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1921					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0400e-003	2.0400e-003	2.0400e-003	1.0000e-005		2.1700e-003
<b>Total</b>	<b>0.2207</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0400e-003</b>	<b>2.0400e-003</b>	<b>2.0400e-003</b>	<b>1.0000e-005</b>		<b>2.1700e-003</b>

La Puente Park Master Plan - Los Angeles-South Coast County, Summer

**6.2 Area by SubCategory**

Mitigated

SubCategory	ROG	NOx	CO	SO2	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															
Architectural Coating	0.0285				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1921				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.0400e-003	2.0400e-003	1.0000e-005		2.1700e-003
<b>Total</b>	<b>0.2207</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.0400e-003</b>	<b>2.0400e-003</b>	<b>1.0000e-005</b>		<b>2.1700e-003</b>

**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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

La Puente Park Master Plan - Los Angeles-South Coast County, Summer

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**



La Puente Park Master Plan - Los Angeles-South Coast County, Winter

**La Puente Park Master Plan**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.30	Acre	5.30	230,868.00	0
Parking Lot	3.20	Acre	3.20	139,392.00	0
Other Non-Asphalt Surfaces	0.80	Acre	0.80	34,848.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2020

**Utility Company** Southern California Edison

<b>CO2 Intensity (lb/MW/hr)</b>	702.44	<b>CH4 Intensity (lb/MW/hr)</b>	0.029	<b>N2O Intensity (lb/MW/hr)</b>	0.006
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**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - City Park 5.3 ac with 6,000 sq ft of new buildings. New/Reconfigured Parking Lots 3.2 ac. Other Non-Asphalt 0.8 ac (BB Cts, Amph, Batting Cages, Splash Area, Stage, Sidewalks)

Construction Phase - Construction Start 1-1-20. Demo 4 weeks, Grading 12 weeks, Building 16 weeks (Painting concurrent with last 4 weeks of Building), Paving 6 weeks

Grading -

Demolition - Approx 1 acre of paved area to be demolished. At 4" deep and 145 lb per cu ft = 1,053 tons of paving debris

Trips and VMT - 6 Vendor Trips added to Demo and Grading to account for water truck emissions

Construction Off-road Equipment Mitigation - Water Exposed Area 2x per day selected to account for SCAQMD Rule 403 minimum requirements

La Puente Park Master Plan - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tbiConstructionPhase	NumDays	230.00	80.00
tbiConstructionPhase	NumDays	20.00	60.00
tbiConstructionPhase	NumDays	20.00	30.00
tbiConstructionPhase	PhaseEndDate	4/21/2021	8/11/2020
tbiConstructionPhase	PhaseEndDate	2/24/2021	8/11/2020
tbiConstructionPhase	PhaseEndDate	2/26/2020	1/28/2020
tbiConstructionPhase	PhaseEndDate	4/8/2020	4/21/2020
tbiConstructionPhase	PhaseEndDate	3/24/2021	9/22/2020
tbiConstructionPhase	PhaseStartDate	3/25/2021	7/15/2020
tbiConstructionPhase	PhaseStartDate	4/9/2020	4/22/2020
tbiConstructionPhase	PhaseStartDate	1/30/2020	1/1/2020
tbiConstructionPhase	PhaseStartDate	3/12/2020	1/29/2020
tbiConstructionPhase	PhaseStartDate	2/25/2021	8/12/2020
tbiTripsAndVMT	VendorTripNumber	0.00	6.00
tbiTripsAndVMT	VendorTripNumber	0.00	6.00

**2.0 Emissions Summary**



La Puente Park Master Plan - Los Angeles-South Coast County, Winter

**2.2 Overall Operational**  
**Unmitigated Operational**

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																
Area	0.2207	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0400e-003	2.0400e-003	2.0400e-003	1.0000e-005	0.0000	2.1700e-003
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2289	1.1006	2.8855	9.1800e-003	0.7378	9.7000e-003	0.7475	0.1975	9.1000e-003	0.2066	932.5914	932.5914	932.5914	0.0539	0.0000	933.9392
<b>Total</b>	<b>0.4496</b>	<b>1.1006</b>	<b>2.8865</b>	<b>9.1800e-003</b>	<b>0.7378</b>	<b>9.7000e-003</b>	<b>0.7475</b>	<b>0.1975</b>	<b>9.1000e-003</b>	<b>0.2066</b>	<b>932.5934</b>	<b>932.5934</b>	<b>932.5934</b>	<b>0.0539</b>	<b>0.0000</b>	<b>933.9414</b>

**Mitigated Operational**

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																
Area	0.2207	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0400e-003	2.0400e-003	2.0400e-003	1.0000e-005	0.0000	2.1700e-003
Energy	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.2289	1.1006	2.8855	9.1800e-003	0.7378	9.7000e-003	0.7475	0.1975	9.1000e-003	0.2066	932.5914	932.5914	932.5914	0.0539	0.0000	933.9392
<b>Total</b>	<b>0.4496</b>	<b>1.1006</b>	<b>2.8865</b>	<b>9.1800e-003</b>	<b>0.7378</b>	<b>9.7000e-003</b>	<b>0.7475</b>	<b>0.1975</b>	<b>9.1000e-003</b>	<b>0.2066</b>	<b>932.5934</b>	<b>932.5934</b>	<b>932.5934</b>	<b>0.0539</b>	<b>0.0000</b>	<b>933.9414</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/28/2020	5	20	
2	Grading	Grading	1/29/2020	4/21/2020	5	60	
3	Building Construction	Building Construction	4/22/2020	8/11/2020	5	80	
4	Architectural Coating	Architectural Coating	7/15/2020	8/11/2020	5	20	
5	Paving	Paving	8/12/2020	9/22/2020	5	30	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 30**

**Acres of Paving: 4**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,000; Non-Residential Outdoor: 3,000; Striped Parking Area: 10,454 (Architectural Coating – sqft)**

OffRoad Equipment

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

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	6	15.00	6.00	104.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	170.00	66.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	34.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2020**

**Unmitigated Construction On-Site**

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															
Fugitive Dust					1.1267	0.0000	1.1267	0.1706	0.0000	0.1706			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>1.1267</b>	<b>1.6587</b>	<b>2.7854</b>	<b>0.1706</b>	<b>1.5419</b>	<b>1.7124</b>		<b>3,747.7049</b>	<b>3,747.7049</b>	<b>1.0580</b>		<b>3,774.1536</b>

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**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0465	1.5146	0.3521	4.0400e-003	0.0909	4.8500e-003	0.0958	0.0249	4.6400e-003	0.0296		437.3689	437.3689	0.0314		438.1537
Vendor	0.0223	0.6381	0.1844	1.5100e-003	0.0384	3.0500e-003	0.0415	0.0111	2.9200e-003	0.0140		161.6694	161.6694	0.0108		161.9397
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
<b>Total</b>	<b>0.1455</b>	<b>2.2070</b>	<b>1.1381</b>	<b>7.2200e-003</b>	<b>0.2970</b>	<b>9.3000e-003</b>	<b>0.3063</b>	<b>0.0805</b>	<b>8.8500e-003</b>	<b>0.0893</b>		<b>765.1514</b>	<b>765.1514</b>	<b>0.0474</b>		<b>766.3374</b>

**Mitigated Construction On-Site**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.5070	0.0000	0.5070	0.0768	0.0000	0.0768			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587	1.5419		1.5419	0.0000	3,747.704 <sub>9</sub>	3,747.704 <sub>9</sub>	1.0580		3,774.153 <sub>6</sub>
<b>Total</b>	<b>3.3121</b>	<b>33.2010</b>	<b>21.7532</b>	<b>0.0388</b>	<b>0.5070</b>	<b>1.6587</b>	<b>2.1657</b>	<b>0.0768</b>	<b>1.5419</b>	<b>1.6186</b>	<b>0.0000</b>	<b>3,747.704<sub>9</sub></b>	<b>3,747.704<sub>9</sub></b>	<b>1.0580</b>		<b>3,774.153<sub>6</sub></b>



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**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

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																
Hauling	0.0485	1.5146	0.3521	4.0400e-003	0.0909	4.8500e-003	0.0958	0.0249	4.6400e-003	0.0296		437.3689	437.3689	0.0314		438.1537
Vendor	0.0223	0.6381	0.1844	1.5100e-003	0.0384	3.0500e-003	0.0415	0.0111	2.9200e-003	0.0140		161.6694	161.6694	0.0108		161.9397
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003		166.2440
<b>Total</b>	<b>0.1455</b>	<b>2.2070</b>	<b>1.1381</b>	<b>7.2200e-003</b>	<b>0.2970</b>	<b>9.3000e-003</b>	<b>0.3063</b>	<b>0.0805</b>	<b>8.8500e-003</b>	<b>0.0893</b>		<b>765.1514</b>	<b>765.1514</b>	<b>0.0474</b>		<b>766.3374</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

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																
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734	1.1716		1.1716		2,872.485	2,872.485	0.9290		2,895.710
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>6.5523</b>	<b>1.2734</b>	<b>7.8258</b>	<b>3.3675</b>	<b>1.1716</b>	<b>4.5390</b>		<b>2,872.485</b>	<b>2,872.485</b>	<b>0.9290</b>		<b>2,895.710</b>

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**3.3 Grading - 2020**

**Unmitigated Construction Off-Site**

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																	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.0223	0.6381	0.1844	1.5100e-003	0.0384	3.0500e-003	0.0415	0.0111	2.9200e-003	0.0140		161.6694	161.6694	0.0108			161.9397
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458		166.1131	166.1131	5.2400e-003			166.2440
<b>Total</b>	<b>0.0990</b>	<b>0.6925</b>	<b>0.7860</b>	<b>3.1800e-003</b>	<b>0.2061</b>	<b>4.4500e-003</b>	<b>0.2105</b>	<b>0.0555</b>	<b>4.2100e-003</b>	<b>0.0597</b>		<b>327.7825</b>	<b>327.7825</b>	<b>0.0161</b>			<b>328.1837</b>

**Mitigated Construction On-Site**

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																	
Fugitive Dust					2.9486	0.0000	2.9486	1.5154	0.0000	1.5154			0.0000			0.0000	
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734	1.1716	1.1716	1.1716	0.0000	2,872.485	2,872.485	0.9290			2,895.710
<b>Total</b>	<b>2.4288</b>	<b>26.3859</b>	<b>16.0530</b>	<b>0.0297</b>	<b>2.9486</b>	<b>1.2734</b>	<b>4.2220</b>	<b>1.5154</b>	<b>1.1716</b>	<b>2.6869</b>	<b>0.0000</b>	<b>2,872.485</b>	<b>2,872.485</b>	<b>0.9290</b>			<b>2,895.710</b>

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**3.3 Grading - 2020**

**Mitigated Construction Off-Site**

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																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.6381	0.1844	1.5100e-003	0.0384	3.0500e-003	0.0415	0.0111	2.9200e-003	0.0140	161.6694	161.6694	161.6694	0.0108		161.9397
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458	166.1131	166.1131	166.1131	5.2400e-003		166.2440
<b>Total</b>	<b>0.0990</b>	<b>0.6925</b>	<b>0.7860</b>	<b>3.1800e-003</b>	<b>0.2061</b>	<b>4.4500e-003</b>	<b>0.2105</b>	<b>0.0555</b>	<b>4.2100e-003</b>	<b>0.0597</b>	<b>327.7825</b>	<b>327.7825</b>	<b>327.7825</b>	<b>0.0161</b>		<b>328.1837</b>

**3.4 Building Construction - 2020**

**Unmitigated Construction On-Site**

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																
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063	2,553.063	0.6229		2,568.634
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.063</b>	<b>2,553.063</b>	<b>0.6229</b>		<b>2,568.634</b>

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**3.4 Building Construction - 2020**

**Unmitigated Construction Off-Site**

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.2454	7.0191	2.0287	0.0167	0.4225	0.0336	0.4561	0.1217	0.0321	0.1538	1,778.3638	1,778.3638	1,778.3638	0.1189			1,781.3368
Worker	0.8687	0.6162	6.8172	0.0189	1.9002	0.0159	1.9161	0.5039	0.0146	0.5186	1,882.6147	1,882.6147	1,882.6147	0.0593			1,884.0981
<b>Total</b>	<b>1.1141</b>	<b>7.6353</b>	<b>8.8459</b>	<b>0.0356</b>	<b>2.3227</b>	<b>0.0495</b>	<b>2.3722</b>	<b>0.6256</b>	<b>0.0467</b>	<b>0.6724</b>	<b>3,660.9785</b>	<b>3,660.9785</b>	<b>3,660.9785</b>	<b>0.1783</b>			<b>3,665.4349</b>

**Mitigated Construction On-Site**

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

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**3.4 Building Construction - 2020**

**Mitigated Construction Off-Site**

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.2454	7.0191	2.0287	0.0167	0.4225	0.0336	0.4561	0.1217	0.0321	0.1538	1,778.3638	1,778.3638	1,778.3638	0.1189			1,781.3368
Worker	0.8687	0.6162	6.8172	0.0189	1.9002	0.0159	1.9161	0.5039	0.0146	0.5186	1,882.6147	1,882.6147	1,882.6147	0.0593			1,884.0981
<b>Total</b>	<b>1.1141</b>	<b>7.6353</b>	<b>8.8459</b>	<b>0.0356</b>	<b>2.3227</b>	<b>0.0495</b>	<b>2.3722</b>	<b>0.6256</b>	<b>0.0467</b>	<b>0.6724</b>	<b>3,660.9785</b>	<b>3,660.9785</b>	<b>3,660.9785</b>	<b>0.1783</b>			<b>3,665.4349</b>

**3.5 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Archit. Coating	5.2037					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109			281.4481	0.0218			281.9928
<b>Total</b>	<b>5.4459</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>			<b>281.4481</b>	<b>0.0218</b>			<b>281.9928</b>

La Puente Park Master Plan - Los Angeles-South Coast County, Winter

**3.5 Architectural Coating - 2020**  
**Unmitigated Construction Off-Site**

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																	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.1738	0.1232	1.3634	3.7800e-003	0.3800	3.1800e-003	0.3832	0.1008	2.9300e-003	0.1037	376.5229	376.5229	0.0119	0.0119			376.8196
<b>Total</b>	<b>0.1738</b>	<b>0.1232</b>	<b>1.3634</b>	<b>3.7800e-003</b>	<b>0.3800</b>	<b>3.1800e-003</b>	<b>0.3832</b>	<b>0.1008</b>	<b>2.9300e-003</b>	<b>0.1037</b>	<b>376.5229</b>	<b>376.5229</b>	<b>0.0119</b>	<b>0.0119</b>			<b>376.8196</b>

**Mitigated Construction On-Site**

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																	
Archit. Coating	5.2037					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109	0.1109	0.1109	0.1109	0.0000	281.4481	281.4481	0.0218			281.9928
<b>Total</b>	<b>5.4459</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.1109</b>	<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>			<b>281.9928</b>

La Puente Park Master Plan - Los Angeles-South Coast County, Winter

**3.5 Architectural Coating - 2020**

**Mitigated Construction Off-Site**

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																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1738	0.1232	1.3634	3.7800e-003	0.3800	3.1800e-003	0.3832	0.1008	2.9300e-003	0.1037	376.5229	376.5229	0.0119	0.0119		376.8196
<b>Total</b>	<b>0.1738</b>	<b>0.1232</b>	<b>1.3634</b>	<b>3.7800e-003</b>	<b>0.3800</b>	<b>3.1800e-003</b>	<b>0.3832</b>	<b>0.1008</b>	<b>2.9300e-003</b>	<b>0.1037</b>	<b>376.5229</b>	<b>376.5229</b>	<b>0.0119</b>	<b>0.0119</b>		<b>376.8196</b>

**3.6 Paving - 2020**

**Unmitigated Construction On-Site**

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																
Off-Road	1.3566	14.0656	14.6521	0.0228	0.7528	0.7528	0.7528	0.6926	0.6926	0.6926	2,207.7334	2,207.7334	0.7140	0.7140		2,225.5841
Paving	0.2795				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.6360</b>	<b>14.0656</b>	<b>14.6521</b>	<b>0.0228</b>	<b>0.7528</b>	<b>0.7528</b>	<b>0.7528</b>	<b>0.6926</b>	<b>0.6926</b>	<b>0.6926</b>	<b>2,207.7334</b>	<b>2,207.7334</b>	<b>0.7140</b>	<b>0.7140</b>		<b>2,225.5841</b>

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**3.6 Paving - 2020**

**Unmitigated Construction Off-Site**

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																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458	166.1131	166.1131	166.1131	5.2400e-003	166.2440	166.2440
<b>Total</b>	<b>0.0767</b>	<b>0.0544</b>	<b>0.6015</b>	<b>1.6700e-003</b>	<b>0.1677</b>	<b>1.4000e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.2900e-003</b>	<b>0.0458</b>	<b>166.1131</b>	<b>166.1131</b>	<b>166.1131</b>	<b>5.2400e-003</b>	<b>166.2440</b>	<b>166.2440</b>

**Mitigated Construction On-Site**

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																
Off-Road	1.3566	14.0656	14.6521	0.0228	0.7528	0.7528	0.7528	0.6926	0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140	2,225.5841	2,225.5841
Paving	0.2795				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.6360</b>	<b>14.0656</b>	<b>14.6521</b>	<b>0.0228</b>	<b>0.7528</b>	<b>0.7528</b>	<b>0.7528</b>	<b>0.6926</b>	<b>0.6926</b>	<b>0.6926</b>	<b>0.0000</b>	<b>2,207.7334</b>	<b>2,207.7334</b>	<b>0.7140</b>	<b>2,225.5841</b>	<b>2,225.5841</b>



La Puente Park Master Plan - Los Angeles-South Coast County, Winter

**3.6 Paving - 2020**

**Mitigated Construction Off-Site**

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															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0767	0.0544	0.6015	1.6700e-003	0.1677	1.4000e-003	0.1691	0.0445	1.2900e-003	0.0458	166.1131	166.1131	166.1131	5.2400e-003		166.2440
<b>Total</b>	<b>0.0767</b>	<b>0.0544</b>	<b>0.6015</b>	<b>1.6700e-003</b>	<b>0.1677</b>	<b>1.4000e-003</b>	<b>0.1691</b>	<b>0.0445</b>	<b>1.2900e-003</b>	<b>0.0458</b>	<b>166.1131</b>	<b>166.1131</b>	<b>166.1131</b>	<b>5.2400e-003</b>		<b>166.2440</b>

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

La Puente Park Master Plan - Los Angeles-South Coast County, Winter

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															
Mitigated	0.2289	1.1006	2.8855	9.1800e-003	0.7378	9.7000e-003	0.7475	0.1975	9.1000e-003	0.2066	932.5914	932.5914	932.5914	0.0539		933.9392
Unmitigated	0.2289	1.1006	2.8855	9.1800e-003	0.7378	9.7000e-003	0.7475	0.1975	9.1000e-003	0.2066	932.5914	932.5914	932.5914	0.0539		933.9392

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
City Park	10.02	120.58	88.72	106,626	106,626
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	10.02	120.58	88.72	106,626	106,626

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	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix



La Puente Park Master Plan - Los Angeles-South Coast County, Winter

**5.2 Energy by Land Use - Natural Gas**

Unmitigated

Land Use	Natural Gas Use kBTU/yr	ROG	NOx	CO	SO2	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																		
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

Land Use	Natural Gas Use kBTU/yr	ROG	NOx	CO	SO2	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																	
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

La Puente Park Master Plan - Los Angeles-South Coast County, Winter

**6.1 Mitigation Measures Area**

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															
Mitigated	0.2207	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0400e-003	2.0400e-003	2.0400e-003	1.0000e-005		2.1700e-003
Unmitigated	0.2207	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0400e-003	2.0400e-003	2.0400e-003	1.0000e-005		2.1700e-003

**6.2 Area by SubCategory**

Unmitigated

SubCategory	ROG	NOx	CO	SO2	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															
Architectural Coating	0.0285					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1921					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.0400e-003	2.0400e-003	2.0400e-003	1.0000e-005		2.1700e-003
<b>Total</b>	<b>0.2207</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0400e-003</b>	<b>2.0400e-003</b>	<b>2.0400e-003</b>	<b>1.0000e-005</b>		<b>2.1700e-003</b>

La Puente Park Master Plan - Los Angeles-South Coast County, Winter

**6.2 Area by SubCategory**

Mitigated

SubCategory	ROG	NOx	CO	SO2	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															
Architectural Coating	0.0285				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1921				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	9.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		2.0400e-003	2.0400e-003	1.0000e-005		2.1700e-003
<b>Total</b>	<b>0.2207</b>	<b>1.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>2.0400e-003</b>	<b>2.0400e-003</b>	<b>1.0000e-005</b>		<b>2.1700e-003</b>

**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**

**Fire Pumps and Emergency Generators**

La Puente Park Master Plan - Los Angeles-South Coast County, Winter

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**

