

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**13980 - UCLA Lake Arrowhead  
San Bernardino-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	22.00	Room	0.60	20,300.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Square footage and lot acreage based on site-specific data.

Construction Phase - Construction schedule assumes demolition will occur in the first phase and site preparation in the second. Trenching, building construction, paving, and architectural coating will occur concurrently in the third phase.

Off-road Equipment -

Off-road Equipment - Bore/drill rigs and generators added per construction equipment info.

Off-road Equipment -

Off-road Equipment - Based on defaults and construction equipment info.

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Off-road Equipment -

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Off-road Equipment - Based on defaults.

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Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Pump added per construction info.

Off-road Equipment - Bobcat added per construction equipment info.

Off-road Equipment - Excavator included per construction equipment info.

Trips and VMT -

On-road Fugitive Dust -

Demolition - Assumes demolition of 2,220 SF of maintenance building and and 9,790 SF Cedar Lodge

Grading - Assumes 0.3 acres (15,000 sf) will be graded.

Vehicle Trips - Assumes 184 daily trips.

Energy Use - Facility will not utilize natural gas.

Construction Off-road Equipment Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Architectural Coating -

Fleet Mix -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Landscape Equipment -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	152.00
tblConstructionPhase	NumDays	5.00	586.00
tblConstructionPhase	NumDays	100.00	326.00
tblConstructionPhase	NumDays	100.00	152.00
tblConstructionPhase	NumDays	10.00	44.00

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tblConstructionPhase	NumDays	10.00	89.00
tblConstructionPhase	NumDays	5.00	326.00
tblConstructionPhase	NumDays	5.00	152.00
tblConstructionPhase	NumDays	1.00	43.00
tblConstructionPhase	NumDays	1.00	86.00
tblEnergyUse	NT24NG	4.86	0.00
tblEnergyUse	T24NG	54.60	0.00
tblGrading	AcresOfGrading	32.25	0.30
tblGrading	AcresOfGrading	64.50	0.30
tblLandUse	LandUseSquareFeet	31,944.00	20,300.00
tblLandUse	LotAcreage	0.73	0.60
tblOffRoadEquipment	HorsePower	158.00	221.00
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	8.19	8.36
tblVehicleTrips	SU_TR	5.95	8.36

**2.0 Emissions Summary**

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**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					
2022	4.4754	28.4195	32.7921	0.0692	4.6444	1.3612	5.1623	2.5154	1.2983	2.9919	0.0000	6,624.753 9	6,624.753 9	1.3737	0.0216	6,665.541 3
2023	5.4799	33.2140	42.2583	0.0858	4.6708	1.5460	5.1624	2.5230	1.4787	2.9810	0.0000	8,223.451 3	8,223.451 3	1.5948	0.0289	8,271.936 9
2024	2.1741	15.7896	21.2997	0.0381	0.5037	0.7313	1.2349	0.1341	0.6811	0.8152	0.0000	3,655.073 0	3,655.073 0	0.9371	0.0188	3,684.086 0
2025	2.0619	14.5553	21.1424	0.0380	0.5037	0.6416	1.1453	0.1341	0.5979	0.7320	0.0000	3,645.024 4	3,645.024 4	0.9359	0.0179	3,673.756 8
<b>Maximum</b>	<b>5.4799</b>	<b>33.2140</b>	<b>42.2583</b>	<b>0.0858</b>	<b>4.6708</b>	<b>1.5460</b>	<b>5.1624</b>	<b>2.5230</b>	<b>1.4787</b>	<b>2.9919</b>	<b>0.0000</b>	<b>8,223.451 3</b>	<b>8,223.451 3</b>	<b>1.5948</b>	<b>0.0289</b>	<b>8,271.936 9</b>



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**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4537	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.8100e-003	4.8100e-003	1.0000e-005		5.1300e-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
Mobile	0.4601	0.6650	4.2979	9.7100e-003	1.0799	7.9600e-003	1.0878	0.2880	7.4500e-003	0.2954		1,014.5154	1,014.5154	0.0596	0.0516	1,031.3712
<b>Total</b>	<b>0.9138</b>	<b>0.6650</b>	<b>4.3001</b>	<b>9.7100e-003</b>	<b>1.0799</b>	<b>7.9700e-003</b>	<b>1.0878</b>	<b>0.2880</b>	<b>7.4600e-003</b>	<b>0.2955</b>		<b>1,014.5202</b>	<b>1,014.5202</b>	<b>0.0596</b>	<b>0.0516</b>	<b>1,031.3764</b>

**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	0.4537	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.8100e-003	4.8100e-003	1.0000e-005		5.1300e-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
Mobile	0.4601	0.6650	4.2979	9.7100e-003	1.0799	7.9600e-003	1.0878	0.2880	7.4500e-003	0.2954		1,014.5154	1,014.5154	0.0596	0.0516	1,031.3712
<b>Total</b>	<b>0.9138</b>	<b>0.6650</b>	<b>4.3001</b>	<b>9.7100e-003</b>	<b>1.0799</b>	<b>7.9700e-003</b>	<b>1.0878</b>	<b>0.2880</b>	<b>7.4600e-003</b>	<b>0.2955</b>		<b>1,014.5202</b>	<b>1,014.5202</b>	<b>0.0596</b>	<b>0.0516</b>	<b>1,031.3764</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	7/1/2022	8/31/2022	5	44	
2	Site Preparation	Site Preparation	9/1/2022	10/31/2022	5	43	
3	Trenching	Trenching	11/1/2022	5/31/2023	5	152	
4	Building Construction	Building Construction	11/1/2022	5/31/2023	5	152	
5	Paving	Paving	11/1/2022	5/31/2023	5	152	
6	Architectural Coating	Architectural Coating	11/1/2022	5/31/2023	5	152	
7	CS Architectural Coating	Architectural Coating	1/1/2023	3/31/2025	5	586	
8	CS Demolition	Demolition	5/1/2023	8/31/2023	5	89	
9	CS Site Preparation	Site Preparation	9/1/2023	12/31/2023	5	86	
10	CS Trenching	Trenching	1/1/2024	3/31/2025	5	326	
11	CS Building Construction	Building Construction	1/1/2024	3/31/2025	5	326	
12	CS Paving	Paving	1/1/2024	3/31/2025	5	326	

**Acres of Grading (Site Preparation Phase): 0.3**

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 30,450; Non-Residential Outdoor: 10,150; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	6.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	6.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Excavators	1	8.00	221	0.50
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Pumps	1	8.00	84	0.74
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
CS Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
CS Demolition	Rubber Tired Dozers	1	1.00	247	0.40
CS Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
CS Site Preparation	Graders	1	6.00	187	0.41
CS Site Preparation	Rubber Tired Dozers	1	6.00	247	0.40
CS Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
CS Trenching	Excavators	1	8.00	158	0.38
CS Building Construction	Cranes	1	8.00	231	0.29
CS Building Construction	Forklifts	2	6.00	89	0.20
CS Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37



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CS Paving	Cement and Mortar Mixers	4	6.00	9	0.56
CS Paving	Pavers	1	7.00	130	0.42
CS Paving	Rollers	1	7.00	80	0.38
CS Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
CS Architectural Coating	Air Compressors	1	6.00	78	0.48

**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	4	10.00	0.00	10.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	1	3.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	9.00	3.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Demolition	4	10.00	0.00	45.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Site Preparation	3	8.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Trenching	1	3.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Building Construction	5	9.00	3.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Paving	7	18.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Architectural Coating	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

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**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0497	0.0000	0.0497	7.5200e-003	0.0000	7.5200e-003			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
<b>Total</b>	<b>0.7094</b>	<b>6.4138</b>	<b>7.4693</b>	<b>0.0120</b>	<b>0.0497</b>	<b>0.3375</b>	<b>0.3872</b>	<b>7.5200e-003</b>	<b>0.3225</b>	<b>0.3301</b>		<b>1,147.9025</b>	<b>1,147.9025</b>	<b>0.2119</b>		<b>1,153.2001</b>

**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	8.2000e-004	0.0325	8.2600e-003	1.3000e-004	3.9800e-003	3.3000e-004	4.3100e-003	1.0900e-003	3.1000e-004	1.4000e-003		14.5669	14.5669	6.2000e-004	2.3100e-003	15.2703
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0497	0.0361	0.4372	1.2500e-003	0.1505	7.7000e-004	0.1513	0.0399	7.1000e-004	0.0406		127.3507	127.3507	3.1700e-003	3.4100e-003	128.4449
<b>Total</b>	<b>0.0505</b>	<b>0.0686</b>	<b>0.4454</b>	<b>1.3800e-003</b>	<b>0.1545</b>	<b>1.1000e-003</b>	<b>0.1556</b>	<b>0.0410</b>	<b>1.0200e-003</b>	<b>0.0420</b>		<b>141.9176</b>	<b>141.9176</b>	<b>3.7900e-003</b>	<b>5.7200e-003</b>	<b>143.7152</b>

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**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0224	0.0000	0.0224	3.3800e-003	0.0000	3.3800e-003			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
<b>Total</b>	<b>0.7094</b>	<b>6.4138</b>	<b>7.4693</b>	<b>0.0120</b>	<b>0.0224</b>	<b>0.3375</b>	<b>0.3599</b>	<b>3.3800e-003</b>	<b>0.3225</b>	<b>0.3259</b>	<b>0.0000</b>	<b>1,147.9025</b>	<b>1,147.9025</b>	<b>0.2119</b>		<b>1,153.2001</b>

**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	8.2000e-004	0.0325	8.2600e-003	1.3000e-004	3.9800e-003	3.3000e-004	4.3100e-003	1.0900e-003	3.1000e-004	1.4000e-003		14.5669	14.5669	6.2000e-004	2.3100e-003	15.2703
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0497	0.0361	0.4372	1.2500e-003	0.1505	7.7000e-004	0.1513	0.0399	7.1000e-004	0.0406		127.3507	127.3507	3.1700e-003	3.4100e-003	128.4449
<b>Total</b>	<b>0.0505</b>	<b>0.0686</b>	<b>0.4454</b>	<b>1.3800e-003</b>	<b>0.1545</b>	<b>1.1000e-003</b>	<b>0.1556</b>	<b>0.0410</b>	<b>1.0200e-003</b>	<b>0.0420</b>		<b>141.9176</b>	<b>141.9176</b>	<b>3.7900e-003</b>	<b>5.7200e-003</b>	<b>143.7152</b>

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**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5240	0.0000	4.5240	2.4835	0.0000	2.4835			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
<b>Total</b>	<b>1.0832</b>	<b>12.0046</b>	<b>5.9360</b>	<b>0.0141</b>	<b>4.5240</b>	<b>0.5173</b>	<b>5.0412</b>	<b>2.4835</b>	<b>0.4759</b>	<b>2.9594</b>		<b>1,364.8198</b>	<b>1,364.8198</b>	<b>0.4414</b>		<b>1,375.8551</b>

**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	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	0.0397	0.0289	0.3497	1.0000e-003	0.1204	6.2000e-004	0.1210	0.0319	5.7000e-004	0.0325		101.8806	101.8806	2.5300e-003	2.7200e-003	102.7559
<b>Total</b>	<b>0.0397</b>	<b>0.0289</b>	<b>0.3497</b>	<b>1.0000e-003</b>	<b>0.1204</b>	<b>6.2000e-004</b>	<b>0.1210</b>	<b>0.0319</b>	<b>5.7000e-004</b>	<b>0.0325</b>		<b>101.8806</b>	<b>101.8806</b>	<b>2.5300e-003</b>	<b>2.7200e-003</b>	<b>102.7559</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0358	0.0000	2.0358	1.1176	0.0000	1.1176			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
<b>Total</b>	<b>1.0832</b>	<b>12.0046</b>	<b>5.9360</b>	<b>0.0141</b>	<b>2.0358</b>	<b>0.5173</b>	<b>2.5531</b>	<b>1.1176</b>	<b>0.4759</b>	<b>1.5935</b>	<b>0.0000</b>	<b>1,364.8198</b>	<b>1,364.8198</b>	<b>0.4414</b>		<b>1,375.8551</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0397	0.0289	0.3497	1.0000e-003	0.1204	6.2000e-004	0.1210	0.0319	5.7000e-004	0.0325		101.8806	101.8806	2.5300e-003	2.7200e-003	102.7559
<b>Total</b>	<b>0.0397</b>	<b>0.0289</b>	<b>0.3497</b>	<b>1.0000e-003</b>	<b>0.1204</b>	<b>6.2000e-004</b>	<b>0.1210</b>	<b>0.0319</b>	<b>5.7000e-004</b>	<b>0.0325</b>		<b>101.8806</b>	<b>101.8806</b>	<b>2.5300e-003</b>	<b>2.7200e-003</b>	<b>102.7559</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Trenching - 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	0.2892	2.7015	2.1274	9.5100e-003		0.0848	0.0848		0.0780	0.0780		919.9547	919.9547	0.2975		927.3930
<b>Total</b>	<b>0.2892</b>	<b>2.7015</b>	<b>2.1274</b>	<b>9.5100e-003</b>		<b>0.0848</b>	<b>0.0848</b>		<b>0.0780</b>	<b>0.0780</b>		<b>919.9547</b>	<b>919.9547</b>	<b>0.2975</b>		<b>927.3930</b>

**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	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	0.0149	0.0108	0.1312	3.8000e-004	0.0452	2.3000e-004	0.0454	0.0120	2.1000e-004	0.0122		38.2052	38.2052	9.5000e-004	1.0200e-003	38.5335
<b>Total</b>	<b>0.0149</b>	<b>0.0108</b>	<b>0.1312</b>	<b>3.8000e-004</b>	<b>0.0452</b>	<b>2.3000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>2.1000e-004</b>	<b>0.0122</b>		<b>38.2052</b>	<b>38.2052</b>	<b>9.5000e-004</b>	<b>1.0200e-003</b>	<b>38.5335</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Trenching - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2892	2.7015	2.1274	9.5100e-003		0.0848	0.0848		0.0780	0.0780	0.0000	919.9547	919.9547	0.2975		927.3930
<b>Total</b>	<b>0.2892</b>	<b>2.7015</b>	<b>2.1274</b>	<b>9.5100e-003</b>		<b>0.0848</b>	<b>0.0848</b>		<b>0.0780</b>	<b>0.0780</b>	<b>0.0000</b>	<b>919.9547</b>	<b>919.9547</b>	<b>0.2975</b>		<b>927.3930</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0149	0.0108	0.1312	3.8000e-004	0.0452	2.3000e-004	0.0454	0.0120	2.1000e-004	0.0122		38.2052	38.2052	9.5000e-004	1.0200e-003	38.5335
<b>Total</b>	<b>0.0149</b>	<b>0.0108</b>	<b>0.1312</b>	<b>3.8000e-004</b>	<b>0.0452</b>	<b>2.3000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>2.1000e-004</b>	<b>0.0122</b>		<b>38.2052</b>	<b>38.2052</b>	<b>9.5000e-004</b>	<b>1.0200e-003</b>	<b>38.5335</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Trenching - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2767	2.3570	2.1236	9.5100e-003		0.0755	0.0755		0.0694	0.0694		920.2896	920.2896	0.2976		927.7306
<b>Total</b>	<b>0.2767</b>	<b>2.3570</b>	<b>2.1236</b>	<b>9.5100e-003</b>		<b>0.0755</b>	<b>0.0755</b>		<b>0.0694</b>	<b>0.0694</b>		<b>920.2896</b>	<b>920.2896</b>	<b>0.2976</b>		<b>927.7306</b>

**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	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	0.0138	9.5000e-003	0.1200	3.6000e-004	0.0452	2.2000e-004	0.0454	0.0120	2.0000e-004	0.0122		37.2011	37.2011	8.5000e-004	9.4000e-004	37.5017
<b>Total</b>	<b>0.0138</b>	<b>9.5000e-003</b>	<b>0.1200</b>	<b>3.6000e-004</b>	<b>0.0452</b>	<b>2.2000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>2.0000e-004</b>	<b>0.0122</b>		<b>37.2011</b>	<b>37.2011</b>	<b>8.5000e-004</b>	<b>9.4000e-004</b>	<b>37.5017</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Trenching - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2767	2.3570	2.1236	9.5100e-003		0.0755	0.0755		0.0694	0.0694	0.0000	920.2896	920.2896	0.2976		927.7306
<b>Total</b>	<b>0.2767</b>	<b>2.3570</b>	<b>2.1236</b>	<b>9.5100e-003</b>		<b>0.0755</b>	<b>0.0755</b>		<b>0.0694</b>	<b>0.0694</b>	<b>0.0000</b>	<b>920.2896</b>	<b>920.2896</b>	<b>0.2976</b>		<b>927.7306</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0138	9.5000e-003	0.1200	3.6000e-004	0.0452	2.2000e-004	0.0454	0.0120	2.0000e-004	0.0122		37.2011	37.2011	8.5000e-004	9.4000e-004	37.5017
<b>Total</b>	<b>0.0138</b>	<b>9.5000e-003</b>	<b>0.1200</b>	<b>3.6000e-004</b>	<b>0.0452</b>	<b>2.2000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>2.0000e-004</b>	<b>0.0122</b>		<b>37.2011</b>	<b>37.2011</b>	<b>8.5000e-004</b>	<b>9.4000e-004</b>	<b>37.5017</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	1.5704	15.1487	16.5457	0.0340		0.7385	0.7385		0.7029	0.7029		3,263.5693	3,263.5693	0.7117		3,281.3618
<b>Total</b>	<b>1.5704</b>	<b>15.1487</b>	<b>16.5457</b>	<b>0.0340</b>		<b>0.7385</b>	<b>0.7385</b>		<b>0.7029</b>	<b>0.7029</b>		<b>3,263.5693</b>	<b>3,263.5693</b>	<b>0.7117</b>		<b>3,281.3618</b>

**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	0.0000
Vendor	5.4400e-003	0.1519	0.0524	6.3000e-004	0.0220	1.7900e-003	0.0238	6.3300e-003	1.7100e-003	8.0400e-003		67.9303	67.9303	1.8200e-003	0.0101	70.9708
Worker	0.0447	0.0325	0.3935	1.1300e-003	0.1355	7.0000e-004	0.1362	0.0359	6.4000e-004	0.0366		114.6156	114.6156	2.8500e-003	3.0700e-003	115.6004
<b>Total</b>	<b>0.0502</b>	<b>0.1844</b>	<b>0.4459</b>	<b>1.7600e-003</b>	<b>0.1575</b>	<b>2.4900e-003</b>	<b>0.1600</b>	<b>0.0423</b>	<b>2.3500e-003</b>	<b>0.0446</b>		<b>182.5460</b>	<b>182.5460</b>	<b>4.6700e-003</b>	<b>0.0131</b>	<b>186.5711</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5704	15.1487	16.5457	0.0340		0.7385	0.7385		0.7029	0.7029	0.0000	3,263.5693	3,263.5693	0.7117		3,281.3618
<b>Total</b>	<b>1.5704</b>	<b>15.1487</b>	<b>16.5457</b>	<b>0.0340</b>		<b>0.7385</b>	<b>0.7385</b>		<b>0.7029</b>	<b>0.7029</b>	<b>0.0000</b>	<b>3,263.5693</b>	<b>3,263.5693</b>	<b>0.7117</b>		<b>3,281.3618</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4400e-003	0.1519	0.0524	6.3000e-004	0.0220	1.7900e-003	0.0238	6.3300e-003	1.7100e-003	8.0400e-003		67.9303	67.9303	1.8200e-003	0.0101	70.9708
Worker	0.0447	0.0325	0.3935	1.1300e-003	0.1355	7.0000e-004	0.1362	0.0359	6.4000e-004	0.0366		114.6156	114.6156	2.8500e-003	3.0700e-003	115.6004
<b>Total</b>	<b>0.0502</b>	<b>0.1844</b>	<b>0.4459</b>	<b>1.7600e-003</b>	<b>0.1575</b>	<b>2.4900e-003</b>	<b>0.1600</b>	<b>0.0423</b>	<b>2.3500e-003</b>	<b>0.0446</b>		<b>182.5460</b>	<b>182.5460</b>	<b>4.6700e-003</b>	<b>0.0131</b>	<b>186.5711</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4591	13.8893	16.4686	0.0340		0.6428	0.6428		0.6119	0.6119		3,266.0813	3,266.0813	0.7081		3,283.7845
<b>Total</b>	<b>1.4591</b>	<b>13.8893</b>	<b>16.4686</b>	<b>0.0340</b>		<b>0.6428</b>	<b>0.6428</b>		<b>0.6119</b>	<b>0.6119</b>		<b>3,266.0813</b>	<b>3,266.0813</b>	<b>0.7081</b>		<b>3,283.7845</b>

**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	0.0000
Vendor	3.4400e-003	0.1213	0.0472	6.1000e-004	0.0220	9.1000e-004	0.0229	6.3300e-003	8.7000e-004	7.2000e-003		65.2406	65.2406	1.6900e-003	9.6300e-003	68.1530
Worker	0.0414	0.0285	0.3601	1.0900e-003	0.1355	6.5000e-004	0.1361	0.0359	6.0000e-004	0.0365		111.6033	111.6033	2.5500e-003	2.8100e-003	112.5049
<b>Total</b>	<b>0.0449</b>	<b>0.1498</b>	<b>0.4073</b>	<b>1.7000e-003</b>	<b>0.1575</b>	<b>1.5600e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4700e-003</b>	<b>0.0437</b>		<b>176.8438</b>	<b>176.8438</b>	<b>4.2400e-003</b>	<b>0.0124</b>	<b>180.6579</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4591	13.8893	16.4686	0.0340		0.6428	0.6428		0.6119	0.6119	0.0000	3,266.0813	3,266.0813	0.7081		3,283.7845
<b>Total</b>	<b>1.4591</b>	<b>13.8893</b>	<b>16.4686</b>	<b>0.0340</b>		<b>0.6428</b>	<b>0.6428</b>		<b>0.6119</b>	<b>0.6119</b>	<b>0.0000</b>	<b>3,266.0813</b>	<b>3,266.0813</b>	<b>0.7081</b>		<b>3,283.7845</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.4400e-003	0.1213	0.0472	6.1000e-004	0.0220	9.1000e-004	0.0229	6.3300e-003	8.7000e-004	7.2000e-003		65.2406	65.2406	1.6900e-003	9.6300e-003	68.1530
Worker	0.0414	0.0285	0.3601	1.0900e-003	0.1355	6.5000e-004	0.1361	0.0359	6.0000e-004	0.0365		111.6033	111.6033	2.5500e-003	2.8100e-003	112.5049
<b>Total</b>	<b>0.0449</b>	<b>0.1498</b>	<b>0.4073</b>	<b>1.7000e-003</b>	<b>0.1575</b>	<b>1.5600e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4700e-003</b>	<b>0.0437</b>		<b>176.8438</b>	<b>176.8438</b>	<b>4.2400e-003</b>	<b>0.0124</b>	<b>180.6579</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.9988	8.8862	10.7666	0.0178		0.4518	0.4518		0.4315	0.4315		1,658.859 1	1,658.859 1	0.3335		1,667.197 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9988</b>	<b>8.8862</b>	<b>10.7666</b>	<b>0.0178</b>		<b>0.4518</b>	<b>0.4518</b>		<b>0.4315</b>	<b>0.4315</b>		<b>1,658.859 1</b>	<b>1,658.859 1</b>	<b>0.3335</b>		<b>1,667.197 1</b>

**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	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	0.0994	0.0722	0.8743	2.5000e-003	0.3010	1.5500e-003	0.3026	0.0798	1.4200e-003	0.0813		254.7014	254.7014	6.3300e-003	6.8100e-003	256.8897
<b>Total</b>	<b>0.0994</b>	<b>0.0722</b>	<b>0.8743</b>	<b>2.5000e-003</b>	<b>0.3010</b>	<b>1.5500e-003</b>	<b>0.3026</b>	<b>0.0798</b>	<b>1.4200e-003</b>	<b>0.0813</b>		<b>254.7014</b>	<b>254.7014</b>	<b>6.3300e-003</b>	<b>6.8100e-003</b>	<b>256.8897</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Paving - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9988	8.8862	10.7666	0.0178		0.4518	0.4518		0.4315	0.4315	0.0000	1,658.859 1	1,658.859 1	0.3335		1,667.197 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9988</b>	<b>8.8862</b>	<b>10.7666</b>	<b>0.0178</b>		<b>0.4518</b>	<b>0.4518</b>		<b>0.4315</b>	<b>0.4315</b>	<b>0.0000</b>	<b>1,658.859 1</b>	<b>1,658.859 1</b>	<b>0.3335</b>		<b>1,667.197 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0994	0.0722	0.8743	2.5000e-003	0.3010	1.5500e-003	0.3026	0.0798	1.4200e-003	0.0813		254.7014	254.7014	6.3300e-003	6.8100e-003	256.8897
<b>Total</b>	<b>0.0994</b>	<b>0.0722</b>	<b>0.8743</b>	<b>2.5000e-003</b>	<b>0.3010</b>	<b>1.5500e-003</b>	<b>0.3026</b>	<b>0.0798</b>	<b>1.4200e-003</b>	<b>0.0813</b>		<b>254.7014</b>	<b>254.7014</b>	<b>6.3300e-003</b>	<b>6.8100e-003</b>	<b>256.8897</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9390	8.2574	10.7462	0.0179		0.3991	0.3991		0.3814	0.3814		1,659.1223	1,659.1223	0.3303		1,667.3802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9390</b>	<b>8.2574</b>	<b>10.7462</b>	<b>0.0179</b>		<b>0.3991</b>	<b>0.3991</b>		<b>0.3814</b>	<b>0.3814</b>		<b>1,659.1223</b>	<b>1,659.1223</b>	<b>0.3303</b>		<b>1,667.3802</b>

**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	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	0.0921	0.0633	0.8002	2.4200e-003	0.3010	1.4500e-003	0.3025	0.0798	1.3400e-003	0.0812		248.0072	248.0072	5.6600e-003	6.2500e-003	250.0110
<b>Total</b>	<b>0.0921</b>	<b>0.0633</b>	<b>0.8002</b>	<b>2.4200e-003</b>	<b>0.3010</b>	<b>1.4500e-003</b>	<b>0.3025</b>	<b>0.0798</b>	<b>1.3400e-003</b>	<b>0.0812</b>		<b>248.0072</b>	<b>248.0072</b>	<b>5.6600e-003</b>	<b>6.2500e-003</b>	<b>250.0110</b>



13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9390	8.2574	10.7462	0.0179		0.3991	0.3991		0.3814	0.3814	0.0000	1,659.1223	1,659.1223	0.3303		1,667.3802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9390</b>	<b>8.2574</b>	<b>10.7462</b>	<b>0.0179</b>		<b>0.3991</b>	<b>0.3991</b>		<b>0.3814</b>	<b>0.3814</b>	<b>0.0000</b>	<b>1,659.1223</b>	<b>1,659.1223</b>	<b>0.3303</b>		<b>1,667.3802</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0921	0.0633	0.8002	2.4200e-003	0.3010	1.4500e-003	0.3025	0.0798	1.3400e-003	0.0812		248.0072	248.0072	5.6600e-003	6.2500e-003	250.0110
<b>Total</b>	<b>0.0921</b>	<b>0.0633</b>	<b>0.8002</b>	<b>2.4200e-003</b>	<b>0.3010</b>	<b>1.4500e-003</b>	<b>0.3025</b>	<b>0.0798</b>	<b>1.3400e-003</b>	<b>0.0812</b>		<b>248.0072</b>	<b>248.0072</b>	<b>5.6600e-003</b>	<b>6.2500e-003</b>	<b>250.0110</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	1.2380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>1.4426</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**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	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	9.9400e-003	7.2200e-003	0.0874	2.5000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.4000e-004	8.1300e-003		25.4701	25.4701	6.3000e-004	6.8000e-004	25.6890
<b>Total</b>	<b>9.9400e-003</b>	<b>7.2200e-003</b>	<b>0.0874</b>	<b>2.5000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.4000e-004</b>	<b>8.1300e-003</b>		<b>25.4701</b>	<b>25.4701</b>	<b>6.3000e-004</b>	<b>6.8000e-004</b>	<b>25.6890</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>1.4426</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9400e-003	7.2200e-003	0.0874	2.5000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.4000e-004	8.1300e-003		25.4701	25.4701	6.3000e-004	6.8000e-004	25.6890
<b>Total</b>	<b>9.9400e-003</b>	<b>7.2200e-003</b>	<b>0.0874</b>	<b>2.5000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.4000e-004</b>	<b>8.1300e-003</b>		<b>25.4701</b>	<b>25.4701</b>	<b>6.3000e-004</b>	<b>6.8000e-004</b>	<b>25.6890</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	1.2380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>1.4297</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**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	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	9.2100e-003	6.3300e-003	0.0800	2.4000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.3000e-004	8.1200e-003		24.8007	24.8007	5.7000e-004	6.2000e-004	25.0011
<b>Total</b>	<b>9.2100e-003</b>	<b>6.3300e-003</b>	<b>0.0800</b>	<b>2.4000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1200e-003</b>		<b>24.8007</b>	<b>24.8007</b>	<b>5.7000e-004</b>	<b>6.2000e-004</b>	<b>25.0011</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>1.4297</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2100e-003	6.3300e-003	0.0800	2.4000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.3000e-004	8.1200e-003		24.8007	24.8007	5.7000e-004	6.2000e-004	25.0011
<b>Total</b>	<b>9.2100e-003</b>	<b>6.3300e-003</b>	<b>0.0800</b>	<b>2.4000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1200e-003</b>		<b>24.8007</b>	<b>24.8007</b>	<b>5.7000e-004</b>	<b>6.2000e-004</b>	<b>25.0011</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS 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	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>0.5128</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**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	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	9.2100e-003	6.3300e-003	0.0800	2.4000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.3000e-004	8.1200e-003		24.8007	24.8007	5.7000e-004	6.2000e-004	25.0011
<b>Total</b>	<b>9.2100e-003</b>	<b>6.3300e-003</b>	<b>0.0800</b>	<b>2.4000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1200e-003</b>		<b>24.8007</b>	<b>24.8007</b>	<b>5.7000e-004</b>	<b>6.2000e-004</b>	<b>25.0011</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>0.5128</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2100e-003	6.3300e-003	0.0800	2.4000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.3000e-004	8.1200e-003		24.8007	24.8007	5.7000e-004	6.2000e-004	25.0011
<b>Total</b>	<b>9.2100e-003</b>	<b>6.3300e-003</b>	<b>0.0800</b>	<b>2.4000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1200e-003</b>		<b>24.8007</b>	<b>24.8007</b>	<b>5.7000e-004</b>	<b>6.2000e-004</b>	<b>25.0011</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>0.5019</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**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	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	8.5800e-003	5.6100e-003	0.0745	2.4000e-004	0.0301	1.4000e-004	0.0302	7.9800e-003	1.3000e-004	8.1100e-003		24.2743	24.2743	5.1000e-004	5.8000e-004	24.4593
<b>Total</b>	<b>8.5800e-003</b>	<b>5.6100e-003</b>	<b>0.0745</b>	<b>2.4000e-004</b>	<b>0.0301</b>	<b>1.4000e-004</b>	<b>0.0302</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1100e-003</b>		<b>24.2743</b>	<b>24.2743</b>	<b>5.1000e-004</b>	<b>5.8000e-004</b>	<b>24.4593</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS Architectural Coating - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>0.5019</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.5800e-003	5.6100e-003	0.0745	2.4000e-004	0.0301	1.4000e-004	0.0302	7.9800e-003	1.3000e-004	8.1100e-003		24.2743	24.2743	5.1000e-004	5.8000e-004	24.4593
<b>Total</b>	<b>8.5800e-003</b>	<b>5.6100e-003</b>	<b>0.0745</b>	<b>2.4000e-004</b>	<b>0.0301</b>	<b>1.4000e-004</b>	<b>0.0302</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1100e-003</b>		<b>24.2743</b>	<b>24.2743</b>	<b>5.1000e-004</b>	<b>5.8000e-004</b>	<b>24.4593</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>0.4920</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**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	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	8.0200e-003	4.9900e-003	0.0691	2.3000e-004	0.0301	1.3000e-004	0.0302	7.9800e-003	1.2000e-004	8.1100e-003		23.6806	23.6806	4.6000e-004	5.4000e-004	23.8521
<b>Total</b>	<b>8.0200e-003</b>	<b>4.9900e-003</b>	<b>0.0691</b>	<b>2.3000e-004</b>	<b>0.0301</b>	<b>1.3000e-004</b>	<b>0.0302</b>	<b>7.9800e-003</b>	<b>1.2000e-004</b>	<b>8.1100e-003</b>		<b>23.6806</b>	<b>23.6806</b>	<b>4.6000e-004</b>	<b>5.4000e-004</b>	<b>23.8521</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS Architectural Coating - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>0.4920</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0200e-003	4.9900e-003	0.0691	2.3000e-004	0.0301	1.3000e-004	0.0302	7.9800e-003	1.2000e-004	8.1100e-003		23.6806	23.6806	4.6000e-004	5.4000e-004	23.8521
<b>Total</b>	<b>8.0200e-003</b>	<b>4.9900e-003</b>	<b>0.0691</b>	<b>2.3000e-004</b>	<b>0.0301</b>	<b>1.3000e-004</b>	<b>0.0302</b>	<b>7.9800e-003</b>	<b>1.2000e-004</b>	<b>8.1100e-003</b>		<b>23.6806</b>	<b>23.6806</b>	<b>4.6000e-004</b>	<b>5.4000e-004</b>	<b>23.8521</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 CS Demolition - 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					
Fugitive Dust					0.1083	0.0000	0.1083	0.0164	0.0000	0.0164			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698		1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.1083</b>	<b>0.2821</b>	<b>0.3904</b>	<b>0.0164</b>	<b>0.2698</b>	<b>0.2862</b>		<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1300e-003	0.0586	0.0172	2.8000e-004	8.8500e-003	5.9000e-004	9.4400e-003	2.4300e-003	5.6000e-004	2.9900e-003		30.9992	30.9992	1.3200e-003	4.9100e-003	32.4964
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0460	0.0317	0.4001	1.2100e-003	0.1505	7.3000e-004	0.1513	0.0399	6.7000e-004	0.0406		124.0036	124.0036	2.8300e-003	3.1200e-003	125.0055
<b>Total</b>	<b>0.0472</b>	<b>0.0903</b>	<b>0.4173</b>	<b>1.4900e-003</b>	<b>0.1594</b>	<b>1.3200e-003</b>	<b>0.1607</b>	<b>0.0423</b>	<b>1.2300e-003</b>	<b>0.0436</b>		<b>155.0028</b>	<b>155.0028</b>	<b>4.1500e-003</b>	<b>8.0300e-003</b>	<b>157.5018</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 CS Demolition - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0487	0.0000	0.0487	7.3800e-003	0.0000	7.3800e-003			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698	0.0000	1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.0487</b>	<b>0.2821</b>	<b>0.3308</b>	<b>7.3800e-003</b>	<b>0.2698</b>	<b>0.2772</b>	<b>0.0000</b>	<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.1300e-003	0.0586	0.0172	2.8000e-004	8.8500e-003	5.9000e-004	9.4400e-003	2.4300e-003	5.6000e-004	2.9900e-003		30.9992	30.9992	1.3200e-003	4.9100e-003	32.4964
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0460	0.0317	0.4001	1.2100e-003	0.1505	7.3000e-004	0.1513	0.0399	6.7000e-004	0.0406		124.0036	124.0036	2.8300e-003	3.1200e-003	125.0055
<b>Total</b>	<b>0.0472</b>	<b>0.0903</b>	<b>0.4173</b>	<b>1.4900e-003</b>	<b>0.1594</b>	<b>1.3200e-003</b>	<b>0.1607</b>	<b>0.0423</b>	<b>1.2300e-003</b>	<b>0.0436</b>		<b>155.0028</b>	<b>155.0028</b>	<b>4.1500e-003</b>	<b>8.0300e-003</b>	<b>157.5018</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 CS Site Preparation - 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					
Fugitive Dust					4.5203	0.0000	4.5203	2.4831	0.0000	2.4831			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865		1,364.771 3	1,364.771 3	0.4414		1,375.806 2
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>4.5203</b>	<b>0.4201</b>	<b>4.9404</b>	<b>2.4831</b>	<b>0.3865</b>	<b>2.8696</b>		<b>1,364.771 3</b>	<b>1,364.771 3</b>	<b>0.4414</b>		<b>1,375.806 2</b>

**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	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	0.0368	0.0253	0.3201	9.7000e-004	0.1204	5.8000e-004	0.1210	0.0319	5.4000e-004	0.0325		99.2029	99.2029	2.2700e-003	2.5000e-003	100.0044
<b>Total</b>	<b>0.0368</b>	<b>0.0253</b>	<b>0.3201</b>	<b>9.7000e-004</b>	<b>0.1204</b>	<b>5.8000e-004</b>	<b>0.1210</b>	<b>0.0319</b>	<b>5.4000e-004</b>	<b>0.0325</b>		<b>99.2029</b>	<b>99.2029</b>	<b>2.2700e-003</b>	<b>2.5000e-003</b>	<b>100.0044</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 CS Site Preparation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0341	0.0000	2.0341	1.1174	0.0000	1.1174			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865	0.0000	1,364.771 3	1,364.771 3	0.4414		1,375.806 2
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>2.0341</b>	<b>0.4201</b>	<b>2.4542</b>	<b>1.1174</b>	<b>0.3865</b>	<b>1.5039</b>	<b>0.0000</b>	<b>1,364.771 3</b>	<b>1,364.771 3</b>	<b>0.4414</b>		<b>1,375.806 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0368	0.0253	0.3201	9.7000e-004	0.1204	5.8000e-004	0.1210	0.0319	5.4000e-004	0.0325		99.2029	99.2029	2.2700e-003	2.5000e-003	100.0044
<b>Total</b>	<b>0.0368</b>	<b>0.0253</b>	<b>0.3201</b>	<b>9.7000e-004</b>	<b>0.1204</b>	<b>5.8000e-004</b>	<b>0.1210</b>	<b>0.0319</b>	<b>5.4000e-004</b>	<b>0.0325</b>		<b>99.2029</b>	<b>99.2029</b>	<b>2.2700e-003</b>	<b>2.5000e-003</b>	<b>100.0044</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.11 CS Trenching - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636		500.2654	500.2654	0.1618		504.3103
<b>Total</b>	<b>0.1803</b>	<b>1.4029</b>	<b>3.2650</b>	<b>5.1700e-003</b>		<b>0.0691</b>	<b>0.0691</b>		<b>0.0636</b>	<b>0.0636</b>		<b>500.2654</b>	<b>500.2654</b>	<b>0.1618</b>		<b>504.3103</b>

**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	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	0.0129	8.4100e-003	0.1117	3.5000e-004	0.0452	2.1000e-004	0.0454	0.0120	1.9000e-004	0.0122		36.4114	36.4114	7.7000e-004	8.7000e-004	36.6890
<b>Total</b>	<b>0.0129</b>	<b>8.4100e-003</b>	<b>0.1117</b>	<b>3.5000e-004</b>	<b>0.0452</b>	<b>2.1000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>1.9000e-004</b>	<b>0.0122</b>		<b>36.4114</b>	<b>36.4114</b>	<b>7.7000e-004</b>	<b>8.7000e-004</b>	<b>36.6890</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.11 CS Trenching - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636	0.0000	500.2654	500.2654	0.1618		504.3103
<b>Total</b>	<b>0.1803</b>	<b>1.4029</b>	<b>3.2650</b>	<b>5.1700e-003</b>		<b>0.0691</b>	<b>0.0691</b>		<b>0.0636</b>	<b>0.0636</b>	<b>0.0000</b>	<b>500.2654</b>	<b>500.2654</b>	<b>0.1618</b>		<b>504.3103</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0129	8.4100e-003	0.1117	3.5000e-004	0.0452	2.1000e-004	0.0454	0.0120	1.9000e-004	0.0122		36.4114	36.4114	7.7000e-004	8.7000e-004	36.6890
<b>Total</b>	<b>0.0129</b>	<b>8.4100e-003</b>	<b>0.1117</b>	<b>3.5000e-004</b>	<b>0.0452</b>	<b>2.1000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>1.9000e-004</b>	<b>0.0122</b>		<b>36.4114</b>	<b>36.4114</b>	<b>7.7000e-004</b>	<b>8.7000e-004</b>	<b>36.6890</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.11 CS Trenching - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1671	1.2217	3.2594	5.1700e-003		0.0599	0.0599		0.0551	0.0551		500.3379	500.3379	0.1618		504.3834
<b>Total</b>	<b>0.1671</b>	<b>1.2217</b>	<b>3.2594</b>	<b>5.1700e-003</b>		<b>0.0599</b>	<b>0.0599</b>		<b>0.0551</b>	<b>0.0551</b>		<b>500.3379</b>	<b>500.3379</b>	<b>0.1618</b>		<b>504.3834</b>

**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	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	0.0120	7.4900e-003	0.1037	3.4000e-004	0.0452	2.0000e-004	0.0454	0.0120	1.8000e-004	0.0122		35.5208	35.5208	6.9000e-004	8.1000e-004	35.7782
<b>Total</b>	<b>0.0120</b>	<b>7.4900e-003</b>	<b>0.1037</b>	<b>3.4000e-004</b>	<b>0.0452</b>	<b>2.0000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>1.8000e-004</b>	<b>0.0122</b>		<b>35.5208</b>	<b>35.5208</b>	<b>6.9000e-004</b>	<b>8.1000e-004</b>	<b>35.7782</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.11 CS Trenching - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1671	1.2217	3.2594	5.1700e-003		0.0599	0.0599		0.0551	0.0551	0.0000	500.3379	500.3379	0.1618		504.3834
<b>Total</b>	<b>0.1671</b>	<b>1.2217</b>	<b>3.2594</b>	<b>5.1700e-003</b>		<b>0.0599</b>	<b>0.0599</b>		<b>0.0551</b>	<b>0.0551</b>	<b>0.0000</b>	<b>500.3379</b>	<b>500.3379</b>	<b>0.1618</b>		<b>504.3834</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0120	7.4900e-003	0.1037	3.4000e-004	0.0452	2.0000e-004	0.0454	0.0120	1.8000e-004	0.0122		35.5208	35.5208	6.9000e-004	8.1000e-004	35.7782
<b>Total</b>	<b>0.0120</b>	<b>7.4900e-003</b>	<b>0.1037</b>	<b>3.4000e-004</b>	<b>0.0452</b>	<b>2.0000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>1.8000e-004</b>	<b>0.0122</b>		<b>35.5208</b>	<b>35.5208</b>	<b>6.9000e-004</b>	<b>8.1000e-004</b>	<b>35.7782</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.12 CS Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7609	7.7261	7.9549	0.0143		0.3553	0.3553		0.3269	0.3269		1,384.387 1	1,384.387 1	0.4477		1,395.580 5
<b>Total</b>	<b>0.7609</b>	<b>7.7261</b>	<b>7.9549</b>	<b>0.0143</b>		<b>0.3553</b>	<b>0.3553</b>		<b>0.3269</b>	<b>0.3269</b>		<b>1,384.387 1</b>	<b>1,384.387 1</b>	<b>0.4477</b>		<b>1,395.580 5</b>

**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	0.0000
Vendor	3.3500e-003	0.1225	0.0464	6.0000e-004	0.0220	8.9000e-004	0.0229	6.3300e-003	8.5000e-004	7.1800e-003		64.3445	64.3445	1.6300e-003	9.5000e-003	67.2157
Worker	0.0386	0.0252	0.3352	1.0600e-003	0.1355	6.3000e-004	0.1361	0.0359	5.8000e-004	0.0365		109.2343	109.2343	2.3000e-003	2.6000e-003	110.0671
<b>Total</b>	<b>0.0420</b>	<b>0.1477</b>	<b>0.3816</b>	<b>1.6600e-003</b>	<b>0.1575</b>	<b>1.5200e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4300e-003</b>	<b>0.0437</b>		<b>173.5789</b>	<b>173.5789</b>	<b>3.9300e-003</b>	<b>0.0121</b>	<b>177.2828</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.12 CS Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7609	7.7261	7.9549	0.0143		0.3553	0.3553		0.3269	0.3269	0.0000	1,384.387 1	1,384.387 1	0.4477		1,395.580 5
<b>Total</b>	<b>0.7609</b>	<b>7.7261</b>	<b>7.9549</b>	<b>0.0143</b>		<b>0.3553</b>	<b>0.3553</b>		<b>0.3269</b>	<b>0.3269</b>	<b>0.0000</b>	<b>1,384.387 1</b>	<b>1,384.387 1</b>	<b>0.4477</b>		<b>1,395.580 5</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.3500e-003	0.1225	0.0464	6.0000e-004	0.0220	8.9000e-004	0.0229	6.3300e-003	8.5000e-004	7.1800e-003		64.3445	64.3445	1.6300e-003	9.5000e-003	67.2157
Worker	0.0386	0.0252	0.3352	1.0600e-003	0.1355	6.3000e-004	0.1361	0.0359	5.8000e-004	0.0365		109.2343	109.2343	2.3000e-003	2.6000e-003	110.0671
<b>Total</b>	<b>0.0420</b>	<b>0.1477</b>	<b>0.3816</b>	<b>1.6600e-003</b>	<b>0.1575</b>	<b>1.5200e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4300e-003</b>	<b>0.0437</b>		<b>173.5789</b>	<b>173.5789</b>	<b>3.9300e-003</b>	<b>0.0121</b>	<b>177.2828</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.12 CS Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7074	7.0659	7.8964	0.0143		0.3086	0.3086		0.2839	0.2839		1,384.984 2	1,384.984 2	0.4479		1,396.182 5
<b>Total</b>	<b>0.7074</b>	<b>7.0659</b>	<b>7.8964</b>	<b>0.0143</b>		<b>0.3086</b>	<b>0.3086</b>		<b>0.2839</b>	<b>0.2839</b>		<b>1,384.984 2</b>	<b>1,384.984 2</b>	<b>0.4479</b>		<b>1,396.182 5</b>

**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	0.0000
Vendor	3.2800e-003	0.1217	0.0457	5.9000e-004	0.0220	8.9000e-004	0.0229	6.3300e-003	8.5000e-004	7.1800e-003		63.0942	63.0942	1.5900e-003	9.3100e-003	65.9076
Worker	0.0361	0.0225	0.3111	1.0200e-003	0.1355	6.0000e-004	0.1361	0.0359	5.5000e-004	0.0365		106.5625	106.5625	2.0700e-003	2.4200e-003	107.3345
<b>Total</b>	<b>0.0394</b>	<b>0.1442</b>	<b>0.3567</b>	<b>1.6100e-003</b>	<b>0.1575</b>	<b>1.4900e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4000e-003</b>	<b>0.0437</b>		<b>169.6567</b>	<b>169.6567</b>	<b>3.6600e-003</b>	<b>0.0117</b>	<b>173.2420</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.12 CS Building Construction - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7074	7.0659	7.8964	0.0143		0.3086	0.3086		0.2839	0.2839	0.0000	1,384.984 2	1,384.984 2	0.4479		1,396.182 5
<b>Total</b>	<b>0.7074</b>	<b>7.0659</b>	<b>7.8964</b>	<b>0.0143</b>		<b>0.3086</b>	<b>0.3086</b>		<b>0.2839</b>	<b>0.2839</b>	<b>0.0000</b>	<b>1,384.984 2</b>	<b>1,384.984 2</b>	<b>0.4479</b>		<b>1,396.182 5</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2800e-003	0.1217	0.0457	5.9000e-004	0.0220	8.9000e-004	0.0229	6.3300e-003	8.5000e-004	7.1800e-003		63.0942	63.0942	1.5900e-003	9.3100e-003	65.9076
Worker	0.0361	0.0225	0.3111	1.0200e-003	0.1355	6.0000e-004	0.1361	0.0359	5.5000e-004	0.0365		106.5625	106.5625	2.0700e-003	2.4200e-003	107.3345
<b>Total</b>	<b>0.0394</b>	<b>0.1442</b>	<b>0.3567</b>	<b>1.6100e-003</b>	<b>0.1575</b>	<b>1.4900e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4000e-003</b>	<b>0.0437</b>		<b>169.6567</b>	<b>169.6567</b>	<b>3.6600e-003</b>	<b>0.0117</b>	<b>173.2420</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.13 CS Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>		<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>

**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	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	0.0773	0.0505	0.6704	2.1200e-003	0.2709	1.2600e-003	0.2722	0.0719	1.1600e-003	0.0730		218.4686	218.4686	4.6100e-003	5.2000e-003	220.1341
<b>Total</b>	<b>0.0773</b>	<b>0.0505</b>	<b>0.6704</b>	<b>2.1200e-003</b>	<b>0.2709</b>	<b>1.2600e-003</b>	<b>0.2722</b>	<b>0.0719</b>	<b>1.1600e-003</b>	<b>0.0730</b>		<b>218.4686</b>	<b>218.4686</b>	<b>4.6100e-003</b>	<b>5.2000e-003</b>	<b>220.1341</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.13 CS Paving - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>	<b>0.0000</b>	<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0773	0.0505	0.6704	2.1200e-003	0.2709	1.2600e-003	0.2722	0.0719	1.1600e-003	0.0730		218.4686	218.4686	4.6100e-003	5.2000e-003	220.1341
<b>Total</b>	<b>0.0773</b>	<b>0.0505</b>	<b>0.6704</b>	<b>2.1200e-003</b>	<b>0.2709</b>	<b>1.2600e-003</b>	<b>0.2722</b>	<b>0.0719</b>	<b>1.1600e-003</b>	<b>0.0730</b>		<b>218.4686</b>	<b>218.4686</b>	<b>4.6100e-003</b>	<b>5.2000e-003</b>	<b>220.1341</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.13 CS Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046		1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5638</b>	<b>4.9206</b>	<b>7.0257</b>	<b>0.0113</b>		<b>0.2186</b>	<b>0.2186</b>		<b>0.2046</b>	<b>0.2046</b>		<b>1,036.271 1</b>	<b>1,036.271 1</b>	<b>0.3019</b>		<b>1,043.817 9</b>

**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	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	0.0722	0.0449	0.6222	2.0500e-003	0.2709	1.2000e-003	0.2721	0.0719	1.1000e-003	0.0730		213.1250	213.1250	4.1400e-003	4.8300e-003	214.6689
<b>Total</b>	<b>0.0722</b>	<b>0.0449</b>	<b>0.6222</b>	<b>2.0500e-003</b>	<b>0.2709</b>	<b>1.2000e-003</b>	<b>0.2721</b>	<b>0.0719</b>	<b>1.1000e-003</b>	<b>0.0730</b>		<b>213.1250</b>	<b>213.1250</b>	<b>4.1400e-003</b>	<b>4.8300e-003</b>	<b>214.6689</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.13 CS Paving - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046	0.0000	1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5638</b>	<b>4.9206</b>	<b>7.0257</b>	<b>0.0113</b>		<b>0.2186</b>	<b>0.2186</b>		<b>0.2046</b>	<b>0.2046</b>	<b>0.0000</b>	<b>1,036.271 1</b>	<b>1,036.271 1</b>	<b>0.3019</b>		<b>1,043.817 9</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0722	0.0449	0.6222	2.0500e-003	0.2709	1.2000e-003	0.2721	0.0719	1.1000e-003	0.0730		213.1250	213.1250	4.1400e-003	4.8300e-003	214.6689
<b>Total</b>	<b>0.0722</b>	<b>0.0449</b>	<b>0.6222</b>	<b>2.0500e-003</b>	<b>0.2709</b>	<b>1.2000e-003</b>	<b>0.2721</b>	<b>0.0719</b>	<b>1.1000e-003</b>	<b>0.0730</b>		<b>213.1250</b>	<b>213.1250</b>	<b>4.1400e-003</b>	<b>4.8300e-003</b>	<b>214.6689</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**4.0 Operational Detail - Mobile**

**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	0.4601	0.6650	4.2979	9.7100e-003	1.0799	7.9600e-003	1.0878	0.2880	7.4500e-003	0.2954		1,014.5154	1,014.5154	0.0596	0.0516	1,031.3712
Unmitigated	0.4601	0.6650	4.2979	9.7100e-003	1.0799	7.9600e-003	1.0878	0.2880	7.4500e-003	0.2954		1,014.5154	1,014.5154	0.0596	0.0516	1,031.3712

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	183.92	183.92	183.92	511,429	511,429
Total	183.92	183.92	183.92	511,429	511,429

**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
Hotel	18.50	10.10	7.90	19.40	61.60	19.00	58	38	4

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.543085	0.056300	0.173085	0.134258	0.025645	0.007009	0.011926	0.017481	0.000552	0.000248	0.024848	0.000956	0.004606

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

**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					
Hotel	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>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	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**

**6.1 Mitigation Measures Area**

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	0.4537	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.8100e-003	4.8100e-003	1.0000e-005		5.1300e-003
Unmitigated	0.4537	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.8100e-003	4.8100e-003	1.0000e-005		5.1300e-003

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0516					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.1000e-004	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.8100e-003	4.8100e-003	1.0000e-005	5.1300e-003
<b>Total</b>	<b>0.4537</b>	<b>2.0000e-005</b>	<b>2.2400e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>			<b>4.8100e-003</b>	<b>4.8100e-003</b>	<b>1.0000e-005</b>	<b>5.1300e-003</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0516					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.1000e-004	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.8100e-003	4.8100e-003	1.0000e-005	5.1300e-003
<b>Total</b>	<b>0.4537</b>	<b>2.0000e-005</b>	<b>2.2400e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>			<b>4.8100e-003</b>	<b>4.8100e-003</b>	<b>1.0000e-005</b>	<b>5.1300e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**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**

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13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**13980 - UCLA Lake Arrowhead  
San Bernardino-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	22.00	Room	0.60	20,300.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10	<b>Operational Year</b>		2025	
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Square footage and lot acreage based on site-specific data.

Construction Phase - Construction schedule assumes demolition will occur in the first phase and site preparation in the second. Trenching, building construction, paving, and architectural coating will occur concurrently in the third phase.

Off-road Equipment -

Off-road Equipment - Bore/drill rigs and generators added per construction equipment info.

Off-road Equipment -

Off-road Equipment - Based on defaults and construction equipment info.

Off-road Equipment - Based on defaults and construction equipment info.

Off-road Equipment -

Off-road Equipment - Based on defaults and construction equipment info.

Off-road Equipment - Based on defaults.

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Pump added per construction info.

Off-road Equipment - Bobcat added per construction equipment info.

Off-road Equipment - Excavator included per construction equipment info.

Trips and VMT -

On-road Fugitive Dust -

Demolition - Assumes demolition of 2,220 SF of maintenance building and and 9,790 SF Cedar Lodge

Grading - Assumes 0.3 acres (15,000 sf) will be graded.

Vehicle Trips - Assumes 184 daily trips.

Energy Use - Facility will not utilize natural gas.

Construction Off-road Equipment Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Architectural Coating -

Fleet Mix -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Landscape Equipment -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	152.00
tblConstructionPhase	NumDays	5.00	586.00
tblConstructionPhase	NumDays	100.00	326.00
tblConstructionPhase	NumDays	100.00	152.00
tblConstructionPhase	NumDays	10.00	44.00

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

tblConstructionPhase	NumDays	10.00	89.00
tblConstructionPhase	NumDays	5.00	326.00
tblConstructionPhase	NumDays	5.00	152.00
tblConstructionPhase	NumDays	1.00	43.00
tblConstructionPhase	NumDays	1.00	86.00
tblEnergyUse	NT24NG	4.86	0.00
tblEnergyUse	T24NG	54.60	0.00
tblGrading	AcresOfGrading	32.25	0.30
tblGrading	AcresOfGrading	64.50	0.30
tblLandUse	LandUseSquareFeet	31,944.00	20,300.00
tblLandUse	LotAcreage	0.73	0.60
tblOffRoadEquipment	HorsePower	158.00	221.00
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	8.19	8.36
tblVehicleTrips	SU_TR	5.95	8.36

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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					
2022	4.4788	28.4064	33.1362	0.0697	4.6444	1.3612	5.1623	2.5154	1.2983	2.9919	0.0000	6,669.9565	6,669.9565	1.3739	0.0213	6,710.6402
2023	5.4836	33.1976	42.6817	0.0864	4.6708	1.5460	5.1624	2.5230	1.4787	2.9810	0.0000	8,282.7060	8,282.7060	1.5950	0.0285	8,331.0587
2024	2.1761	15.7788	21.5726	0.0385	0.5037	0.7313	1.2349	0.1341	0.6811	0.8152	0.0000	3,695.3120	3,695.3120	0.9373	0.0184	3,724.2388
2025	2.0634	14.5451	21.3943	0.0383	0.5037	0.6416	1.1453	0.1341	0.5979	0.7320	0.0000	3,684.1760	3,684.1760	0.9361	0.0176	3,712.8280
<b>Maximum</b>	<b>5.4836</b>	<b>33.1976</b>	<b>42.6817</b>	<b>0.0864</b>	<b>4.6708</b>	<b>1.5460</b>	<b>5.1624</b>	<b>2.5230</b>	<b>1.4787</b>	<b>2.9919</b>	<b>0.0000</b>	<b>8,282.7060</b>	<b>8,282.7060</b>	<b>1.5950</b>	<b>0.0285</b>	<b>8,331.0587</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.4537	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.8100e-003	4.8100e-003	1.0000e-005		5.1300e-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
Mobile	0.5343	0.6257	4.7581	0.0105	1.0799	7.9500e-003	1.0878	0.2880	7.4400e-003	0.2954		1,092.6835	1,092.6835	0.0578	0.0503	1,109.1182
<b>Total</b>	<b>0.9880</b>	<b>0.6257</b>	<b>4.7604</b>	<b>0.0105</b>	<b>1.0799</b>	<b>7.9600e-003</b>	<b>1.0878</b>	<b>0.2880</b>	<b>7.4500e-003</b>	<b>0.2954</b>		<b>1,092.6883</b>	<b>1,092.6883</b>	<b>0.0578</b>	<b>0.0503</b>	<b>1,109.1234</b>

**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	0.4537	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.8100e-003	4.8100e-003	1.0000e-005		5.1300e-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
Mobile	0.5343	0.6257	4.7581	0.0105	1.0799	7.9500e-003	1.0878	0.2880	7.4400e-003	0.2954		1,092.6835	1,092.6835	0.0578	0.0503	1,109.1182
<b>Total</b>	<b>0.9880</b>	<b>0.6257</b>	<b>4.7604</b>	<b>0.0105</b>	<b>1.0799</b>	<b>7.9600e-003</b>	<b>1.0878</b>	<b>0.2880</b>	<b>7.4500e-003</b>	<b>0.2954</b>		<b>1,092.6883</b>	<b>1,092.6883</b>	<b>0.0578</b>	<b>0.0503</b>	<b>1,109.1234</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	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	7/1/2022	8/31/2022	5	44	
2	Site Preparation	Site Preparation	9/1/2022	10/31/2022	5	43	
3	Trenching	Trenching	11/1/2022	5/31/2023	5	152	
4	Building Construction	Building Construction	11/1/2022	5/31/2023	5	152	
5	Paving	Paving	11/1/2022	5/31/2023	5	152	
6	Architectural Coating	Architectural Coating	11/1/2022	5/31/2023	5	152	
7	CS Architectural Coating	Architectural Coating	1/1/2023	3/31/2025	5	586	
8	CS Demolition	Demolition	5/1/2023	8/31/2023	5	89	
9	CS Site Preparation	Site Preparation	9/1/2023	12/31/2023	5	86	
10	CS Trenching	Trenching	1/1/2024	3/31/2025	5	326	
11	CS Building Construction	Building Construction	1/1/2024	3/31/2025	5	326	
12	CS Paving	Paving	1/1/2024	3/31/2025	5	326	

**Acres of Grading (Site Preparation Phase): 0.3**

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 30,450; Non-Residential Outdoor: 10,150; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	6.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	6.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Excavators	1	8.00	221	0.50
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Pumps	1	8.00	84	0.74
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
CS Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
CS Demolition	Rubber Tired Dozers	1	1.00	247	0.40
CS Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
CS Site Preparation	Graders	1	6.00	187	0.41
CS Site Preparation	Rubber Tired Dozers	1	6.00	247	0.40
CS Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
CS Trenching	Excavators	1	8.00	158	0.38
CS Building Construction	Cranes	1	8.00	231	0.29
CS Building Construction	Forklifts	2	6.00	89	0.20
CS Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

CS Paving	Cement and Mortar Mixers	4	6.00	9	0.56
CS Paving	Pavers	1	7.00	130	0.42
CS Paving	Rollers	1	7.00	80	0.38
CS Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
CS Architectural Coating	Air Compressors	1	6.00	78	0.48

**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	4	10.00	0.00	10.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	1	3.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	9.00	3.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Demolition	4	10.00	0.00	45.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Site Preparation	3	8.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Trenching	1	3.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Building Construction	5	9.00	3.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Paving	7	18.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Architectural Coating	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0497	0.0000	0.0497	7.5200e-003	0.0000	7.5200e-003			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225		1,147.9025	1,147.9025	0.2119		1,153.2001
<b>Total</b>	<b>0.7094</b>	<b>6.4138</b>	<b>7.4693</b>	<b>0.0120</b>	<b>0.0497</b>	<b>0.3375</b>	<b>0.3872</b>	<b>7.5200e-003</b>	<b>0.3225</b>	<b>0.3301</b>		<b>1,147.9025</b>	<b>1,147.9025</b>	<b>0.2119</b>		<b>1,153.2001</b>

**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	8.6000e-004	0.0310	8.0800e-003	1.3000e-004	3.9800e-003	3.3000e-004	4.3100e-003	1.0900e-003	3.1000e-004	1.4000e-003		14.5560	14.5560	6.2000e-004	2.3100e-003	15.2590
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0507	0.0343	0.5389	1.3800e-003	0.1505	7.7000e-004	0.1513	0.0399	7.1000e-004	0.0406		140.6650	140.6650	3.2500e-003	3.3000e-003	141.7300
<b>Total</b>	<b>0.0515</b>	<b>0.0653</b>	<b>0.5470</b>	<b>1.5100e-003</b>	<b>0.1545</b>	<b>1.1000e-003</b>	<b>0.1556</b>	<b>0.0410</b>	<b>1.0200e-003</b>	<b>0.0420</b>		<b>155.2211</b>	<b>155.2211</b>	<b>3.8700e-003</b>	<b>5.6100e-003</b>	<b>156.9890</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0224	0.0000	0.0224	3.3800e-003	0.0000	3.3800e-003			0.0000			0.0000
Off-Road	0.7094	6.4138	7.4693	0.0120		0.3375	0.3375		0.3225	0.3225	0.0000	1,147.9025	1,147.9025	0.2119		1,153.2001
<b>Total</b>	<b>0.7094</b>	<b>6.4138</b>	<b>7.4693</b>	<b>0.0120</b>	<b>0.0224</b>	<b>0.3375</b>	<b>0.3599</b>	<b>3.3800e-003</b>	<b>0.3225</b>	<b>0.3259</b>	<b>0.0000</b>	<b>1,147.9025</b>	<b>1,147.9025</b>	<b>0.2119</b>		<b>1,153.2001</b>

**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	8.6000e-004	0.0310	8.0800e-003	1.3000e-004	3.9800e-003	3.3000e-004	4.3100e-003	1.0900e-003	3.1000e-004	1.4000e-003		14.5560	14.5560	6.2000e-004	2.3100e-003	15.2590
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0507	0.0343	0.5389	1.3800e-003	0.1505	7.7000e-004	0.1513	0.0399	7.1000e-004	0.0406		140.6650	140.6650	3.2500e-003	3.3000e-003	141.7300
<b>Total</b>	<b>0.0515</b>	<b>0.0653</b>	<b>0.5470</b>	<b>1.5100e-003</b>	<b>0.1545</b>	<b>1.1000e-003</b>	<b>0.1556</b>	<b>0.0410</b>	<b>1.0200e-003</b>	<b>0.0420</b>		<b>155.2211</b>	<b>155.2211</b>	<b>3.8700e-003</b>	<b>5.6100e-003</b>	<b>156.9890</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.5240	0.0000	4.5240	2.4835	0.0000	2.4835			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
<b>Total</b>	<b>1.0832</b>	<b>12.0046</b>	<b>5.9360</b>	<b>0.0141</b>	<b>4.5240</b>	<b>0.5173</b>	<b>5.0412</b>	<b>2.4835</b>	<b>0.4759</b>	<b>2.9594</b>		<b>1,364.8198</b>	<b>1,364.8198</b>	<b>0.4414</b>		<b>1,375.8551</b>

**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	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	0.0405	0.0275	0.4311	1.1100e-003	0.1204	6.2000e-004	0.1210	0.0319	5.7000e-004	0.0325		112.5320	112.5320	2.6000e-003	2.6400e-003	113.3840
<b>Total</b>	<b>0.0405</b>	<b>0.0275</b>	<b>0.4311</b>	<b>1.1100e-003</b>	<b>0.1204</b>	<b>6.2000e-004</b>	<b>0.1210</b>	<b>0.0319</b>	<b>5.7000e-004</b>	<b>0.0325</b>		<b>112.5320</b>	<b>112.5320</b>	<b>2.6000e-003</b>	<b>2.6400e-003</b>	<b>113.3840</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0358	0.0000	2.0358	1.1176	0.0000	1.1176			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
<b>Total</b>	<b>1.0832</b>	<b>12.0046</b>	<b>5.9360</b>	<b>0.0141</b>	<b>2.0358</b>	<b>0.5173</b>	<b>2.5531</b>	<b>1.1176</b>	<b>0.4759</b>	<b>1.5935</b>	<b>0.0000</b>	<b>1,364.8198</b>	<b>1,364.8198</b>	<b>0.4414</b>		<b>1,375.8551</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0405	0.0275	0.4311	1.1100e-003	0.1204	6.2000e-004	0.1210	0.0319	5.7000e-004	0.0325		112.5320	112.5320	2.6000e-003	2.6400e-003	113.3840
<b>Total</b>	<b>0.0405</b>	<b>0.0275</b>	<b>0.4311</b>	<b>1.1100e-003</b>	<b>0.1204</b>	<b>6.2000e-004</b>	<b>0.1210</b>	<b>0.0319</b>	<b>5.7000e-004</b>	<b>0.0325</b>		<b>112.5320</b>	<b>112.5320</b>	<b>2.6000e-003</b>	<b>2.6400e-003</b>	<b>113.3840</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Trenching - 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	0.2892	2.7015	2.1274	9.5100e-003		0.0848	0.0848		0.0780	0.0780		919.9547	919.9547	0.2975		927.3930
<b>Total</b>	<b>0.2892</b>	<b>2.7015</b>	<b>2.1274</b>	<b>9.5100e-003</b>		<b>0.0848</b>	<b>0.0848</b>		<b>0.0780</b>	<b>0.0780</b>		<b>919.9547</b>	<b>919.9547</b>	<b>0.2975</b>		<b>927.3930</b>

**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	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	0.0152	0.0103	0.1617	4.1000e-004	0.0452	2.3000e-004	0.0454	0.0120	2.1000e-004	0.0122		42.1995	42.1995	9.7000e-004	9.9000e-004	42.5190
<b>Total</b>	<b>0.0152</b>	<b>0.0103</b>	<b>0.1617</b>	<b>4.1000e-004</b>	<b>0.0452</b>	<b>2.3000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>2.1000e-004</b>	<b>0.0122</b>		<b>42.1995</b>	<b>42.1995</b>	<b>9.7000e-004</b>	<b>9.9000e-004</b>	<b>42.5190</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Trenching - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2892	2.7015	2.1274	9.5100e-003		0.0848	0.0848		0.0780	0.0780	0.0000	919.9547	919.9547	0.2975		927.3930
<b>Total</b>	<b>0.2892</b>	<b>2.7015</b>	<b>2.1274</b>	<b>9.5100e-003</b>		<b>0.0848</b>	<b>0.0848</b>		<b>0.0780</b>	<b>0.0780</b>	<b>0.0000</b>	<b>919.9547</b>	<b>919.9547</b>	<b>0.2975</b>		<b>927.3930</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0152	0.0103	0.1617	4.1000e-004	0.0452	2.3000e-004	0.0454	0.0120	2.1000e-004	0.0122		42.1995	42.1995	9.7000e-004	9.9000e-004	42.5190
<b>Total</b>	<b>0.0152</b>	<b>0.0103</b>	<b>0.1617</b>	<b>4.1000e-004</b>	<b>0.0452</b>	<b>2.3000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>2.1000e-004</b>	<b>0.0122</b>		<b>42.1995</b>	<b>42.1995</b>	<b>9.7000e-004</b>	<b>9.9000e-004</b>	<b>42.5190</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Trenching - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2767	2.3570	2.1236	9.5100e-003		0.0755	0.0755		0.0694	0.0694		920.2896	920.2896	0.2976		927.7306
<b>Total</b>	<b>0.2767</b>	<b>2.3570</b>	<b>2.1236</b>	<b>9.5100e-003</b>		<b>0.0755</b>	<b>0.0755</b>		<b>0.0694</b>	<b>0.0694</b>		<b>920.2896</b>	<b>920.2896</b>	<b>0.2976</b>		<b>927.7306</b>

**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	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	0.0140	9.0400e-003	0.1478	4.0000e-004	0.0452	2.2000e-004	0.0454	0.0120	2.0000e-004	0.0122		41.0777	41.0777	8.7000e-004	9.1000e-004	41.3702
<b>Total</b>	<b>0.0140</b>	<b>9.0400e-003</b>	<b>0.1478</b>	<b>4.0000e-004</b>	<b>0.0452</b>	<b>2.2000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>2.0000e-004</b>	<b>0.0122</b>		<b>41.0777</b>	<b>41.0777</b>	<b>8.7000e-004</b>	<b>9.1000e-004</b>	<b>41.3702</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Trenching - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2767	2.3570	2.1236	9.5100e-003		0.0755	0.0755		0.0694	0.0694	0.0000	920.2896	920.2896	0.2976		927.7306
<b>Total</b>	<b>0.2767</b>	<b>2.3570</b>	<b>2.1236</b>	<b>9.5100e-003</b>		<b>0.0755</b>	<b>0.0755</b>		<b>0.0694</b>	<b>0.0694</b>	<b>0.0000</b>	<b>920.2896</b>	<b>920.2896</b>	<b>0.2976</b>		<b>927.7306</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0140	9.0400e-003	0.1478	4.0000e-004	0.0452	2.2000e-004	0.0454	0.0120	2.0000e-004	0.0122		41.0777	41.0777	8.7000e-004	9.1000e-004	41.3702
<b>Total</b>	<b>0.0140</b>	<b>9.0400e-003</b>	<b>0.1478</b>	<b>4.0000e-004</b>	<b>0.0452</b>	<b>2.2000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>2.0000e-004</b>	<b>0.0122</b>		<b>41.0777</b>	<b>41.0777</b>	<b>8.7000e-004</b>	<b>9.1000e-004</b>	<b>41.3702</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	1.5704	15.1487	16.5457	0.0340		0.7385	0.7385		0.7029	0.7029		3,263.5693	3,263.5693	0.7117		3,281.3618
<b>Total</b>	<b>1.5704</b>	<b>15.1487</b>	<b>16.5457</b>	<b>0.0340</b>		<b>0.7385</b>	<b>0.7385</b>		<b>0.7029</b>	<b>0.7029</b>		<b>3,263.5693</b>	<b>3,263.5693</b>	<b>0.7117</b>		<b>3,281.3618</b>

**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	0.0000
Vendor	5.6400e-003	0.1448	0.0507	6.3000e-004	0.0220	1.7800e-003	0.0238	6.3300e-003	1.7100e-003	8.0400e-003		67.8642	67.8642	1.8300e-003	0.0100	70.9001
Worker	0.0456	0.0309	0.4850	1.2400e-003	0.1355	7.0000e-004	0.1362	0.0359	6.4000e-004	0.0366		126.5985	126.5985	2.9200e-003	2.9700e-003	127.5570
<b>Total</b>	<b>0.0512</b>	<b>0.1757</b>	<b>0.5357</b>	<b>1.8700e-003</b>	<b>0.1575</b>	<b>2.4800e-003</b>	<b>0.1600</b>	<b>0.0423</b>	<b>2.3500e-003</b>	<b>0.0446</b>		<b>194.4627</b>	<b>194.4627</b>	<b>4.7500e-003</b>	<b>0.0130</b>	<b>198.4571</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5704	15.1487	16.5457	0.0340		0.7385	0.7385		0.7029	0.7029	0.0000	3,263.5693	3,263.5693	0.7117		3,281.3618
<b>Total</b>	<b>1.5704</b>	<b>15.1487</b>	<b>16.5457</b>	<b>0.0340</b>		<b>0.7385</b>	<b>0.7385</b>		<b>0.7029</b>	<b>0.7029</b>	<b>0.0000</b>	<b>3,263.5693</b>	<b>3,263.5693</b>	<b>0.7117</b>		<b>3,281.3618</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.6400e-003	0.1448	0.0507	6.3000e-004	0.0220	1.7800e-003	0.0238	6.3300e-003	1.7100e-003	8.0400e-003		67.8642	67.8642	1.8300e-003	0.0100	70.9001
Worker	0.0456	0.0309	0.4850	1.2400e-003	0.1355	7.0000e-004	0.1362	0.0359	6.4000e-004	0.0366		126.5985	126.5985	2.9200e-003	2.9700e-003	127.5570
<b>Total</b>	<b>0.0512</b>	<b>0.1757</b>	<b>0.5357</b>	<b>1.8700e-003</b>	<b>0.1575</b>	<b>2.4800e-003</b>	<b>0.1600</b>	<b>0.0423</b>	<b>2.3500e-003</b>	<b>0.0446</b>		<b>194.4627</b>	<b>194.4627</b>	<b>4.7500e-003</b>	<b>0.0130</b>	<b>198.4571</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4591	13.8893	16.4686	0.0340		0.6428	0.6428		0.6119	0.6119		3,266.0813	3,266.0813	0.7081		3,283.7845
<b>Total</b>	<b>1.4591</b>	<b>13.8893</b>	<b>16.4686</b>	<b>0.0340</b>		<b>0.6428</b>	<b>0.6428</b>		<b>0.6119</b>	<b>0.6119</b>		<b>3,266.0813</b>	<b>3,266.0813</b>	<b>0.7081</b>		<b>3,283.7845</b>

**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	0.0000
Vendor	3.6800e-003	0.1150	0.0459	6.1000e-004	0.0220	9.0000e-004	0.0229	6.3300e-003	8.6000e-004	7.2000e-003		65.1010	65.1010	1.7000e-003	9.6000e-003	68.0056
Worker	0.0421	0.0271	0.4433	1.2000e-003	0.1355	6.5000e-004	0.1361	0.0359	6.0000e-004	0.0365		123.2330	123.2330	2.6000e-003	2.7300e-003	124.1106
<b>Total</b>	<b>0.0458</b>	<b>0.1421</b>	<b>0.4891</b>	<b>1.8100e-003</b>	<b>0.1575</b>	<b>1.5500e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4600e-003</b>	<b>0.0437</b>		<b>188.3340</b>	<b>188.3340</b>	<b>4.3000e-003</b>	<b>0.0123</b>	<b>192.1163</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4591	13.8893	16.4686	0.0340		0.6428	0.6428		0.6119	0.6119	0.0000	3,266.0813	3,266.0813	0.7081		3,283.7845
<b>Total</b>	<b>1.4591</b>	<b>13.8893</b>	<b>16.4686</b>	<b>0.0340</b>		<b>0.6428</b>	<b>0.6428</b>		<b>0.6119</b>	<b>0.6119</b>	<b>0.0000</b>	<b>3,266.0813</b>	<b>3,266.0813</b>	<b>0.7081</b>		<b>3,283.7845</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.6800e-003	0.1150	0.0459	6.1000e-004	0.0220	9.0000e-004	0.0229	6.3300e-003	8.6000e-004	7.2000e-003		65.1010	65.1010	1.7000e-003	9.6000e-003	68.0056
Worker	0.0421	0.0271	0.4433	1.2000e-003	0.1355	6.5000e-004	0.1361	0.0359	6.0000e-004	0.0365		123.2330	123.2330	2.6000e-003	2.7300e-003	124.1106
<b>Total</b>	<b>0.0458</b>	<b>0.1421</b>	<b>0.4891</b>	<b>1.8100e-003</b>	<b>0.1575</b>	<b>1.5500e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4600e-003</b>	<b>0.0437</b>		<b>188.3340</b>	<b>188.3340</b>	<b>4.3000e-003</b>	<b>0.0123</b>	<b>192.1163</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.9988	8.8862	10.7666	0.0178		0.4518	0.4518		0.4315	0.4315		1,658.859 1	1,658.859 1	0.3335		1,667.197 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9988</b>	<b>8.8862</b>	<b>10.7666</b>	<b>0.0178</b>		<b>0.4518</b>	<b>0.4518</b>		<b>0.4315</b>	<b>0.4315</b>		<b>1,658.859 1</b>	<b>1,658.859 1</b>	<b>0.3335</b>		<b>1,667.197 1</b>

**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	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	0.1013	0.0687	1.0778	2.7700e-003	0.3010	1.5500e-003	0.3026	0.0798	1.4200e-003	0.0813		281.3301	281.3301	6.5000e-003	6.6000e-003	283.4600
<b>Total</b>	<b>0.1013</b>	<b>0.0687</b>	<b>1.0778</b>	<b>2.7700e-003</b>	<b>0.3010</b>	<b>1.5500e-003</b>	<b>0.3026</b>	<b>0.0798</b>	<b>1.4200e-003</b>	<b>0.0813</b>		<b>281.3301</b>	<b>281.3301</b>	<b>6.5000e-003</b>	<b>6.6000e-003</b>	<b>283.4600</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Paving - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9988	8.8862	10.7666	0.0178		0.4518	0.4518		0.4315	0.4315	0.0000	1,658.859 1	1,658.859 1	0.3335		1,667.197 1
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9988</b>	<b>8.8862</b>	<b>10.7666</b>	<b>0.0178</b>		<b>0.4518</b>	<b>0.4518</b>		<b>0.4315</b>	<b>0.4315</b>	<b>0.0000</b>	<b>1,658.859 1</b>	<b>1,658.859 1</b>	<b>0.3335</b>		<b>1,667.197 1</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1013	0.0687	1.0778	2.7700e-003	0.3010	1.5500e-003	0.3026	0.0798	1.4200e-003	0.0813		281.3301	281.3301	6.5000e-003	6.6000e-003	283.4600
<b>Total</b>	<b>0.1013</b>	<b>0.0687</b>	<b>1.0778</b>	<b>2.7700e-003</b>	<b>0.3010</b>	<b>1.5500e-003</b>	<b>0.3026</b>	<b>0.0798</b>	<b>1.4200e-003</b>	<b>0.0813</b>		<b>281.3301</b>	<b>281.3301</b>	<b>6.5000e-003</b>	<b>6.6000e-003</b>	<b>283.4600</b>



13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9390	8.2574	10.7462	0.0179		0.3991	0.3991		0.3814	0.3814		1,659.1223	1,659.1223	0.3303		1,667.3802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9390</b>	<b>8.2574</b>	<b>10.7462</b>	<b>0.0179</b>		<b>0.3991</b>	<b>0.3991</b>		<b>0.3814</b>	<b>0.3814</b>		<b>1,659.1223</b>	<b>1,659.1223</b>	<b>0.3303</b>		<b>1,667.3802</b>

**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	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	0.0935	0.0602	0.9851	2.6800e-003	0.3010	1.4500e-003	0.3025	0.0798	1.3400e-003	0.0812		273.8512	273.8512	5.7900e-003	6.0600e-003	275.8014
<b>Total</b>	<b>0.0935</b>	<b>0.0602</b>	<b>0.9851</b>	<b>2.6800e-003</b>	<b>0.3010</b>	<b>1.4500e-003</b>	<b>0.3025</b>	<b>0.0798</b>	<b>1.3400e-003</b>	<b>0.0812</b>		<b>273.8512</b>	<b>273.8512</b>	<b>5.7900e-003</b>	<b>6.0600e-003</b>	<b>275.8014</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9390	8.2574	10.7462	0.0179		0.3991	0.3991		0.3814	0.3814	0.0000	1,659.1223	1,659.1223	0.3303		1,667.3802
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9390</b>	<b>8.2574</b>	<b>10.7462</b>	<b>0.0179</b>		<b>0.3991</b>	<b>0.3991</b>		<b>0.3814</b>	<b>0.3814</b>	<b>0.0000</b>	<b>1,659.1223</b>	<b>1,659.1223</b>	<b>0.3303</b>		<b>1,667.3802</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0935	0.0602	0.9851	2.6800e-003	0.3010	1.4500e-003	0.3025	0.0798	1.3400e-003	0.0812		273.8512	273.8512	5.7900e-003	6.0600e-003	275.8014
<b>Total</b>	<b>0.0935</b>	<b>0.0602</b>	<b>0.9851</b>	<b>2.6800e-003</b>	<b>0.3010</b>	<b>1.4500e-003</b>	<b>0.3025</b>	<b>0.0798</b>	<b>1.3400e-003</b>	<b>0.0812</b>		<b>273.8512</b>	<b>273.8512</b>	<b>5.7900e-003</b>	<b>6.0600e-003</b>	<b>275.8014</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	1.2380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>1.4426</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**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	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	0.0101	6.8700e-003	0.1078	2.8000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.4000e-004	8.1300e-003		28.1330	28.1330	6.5000e-004	6.6000e-004	28.3460
<b>Total</b>	<b>0.0101</b>	<b>6.8700e-003</b>	<b>0.1078</b>	<b>2.8000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.4000e-004</b>	<b>8.1300e-003</b>		<b>28.1330</b>	<b>28.1330</b>	<b>6.5000e-004</b>	<b>6.6000e-004</b>	<b>28.3460</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>1.4426</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0101	6.8700e-003	0.1078	2.8000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.4000e-004	8.1300e-003		28.1330	28.1330	6.5000e-004	6.6000e-004	28.3460
<b>Total</b>	<b>0.0101</b>	<b>6.8700e-003</b>	<b>0.1078</b>	<b>2.8000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.4000e-004</b>	<b>8.1300e-003</b>		<b>28.1330</b>	<b>28.1330</b>	<b>6.5000e-004</b>	<b>6.6000e-004</b>	<b>28.3460</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	1.2380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>1.4297</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**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	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	9.3500e-003	6.0200e-003	0.0985	2.7000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.3000e-004	8.1200e-003		27.3851	27.3851	5.8000e-004	6.1000e-004	27.5801
<b>Total</b>	<b>9.3500e-003</b>	<b>6.0200e-003</b>	<b>0.0985</b>	<b>2.7000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1200e-003</b>		<b>27.3851</b>	<b>27.3851</b>	<b>5.8000e-004</b>	<b>6.1000e-004</b>	<b>27.5801</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.2380					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>1.4297</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3500e-003	6.0200e-003	0.0985	2.7000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.3000e-004	8.1200e-003		27.3851	27.3851	5.8000e-004	6.1000e-004	27.5801
<b>Total</b>	<b>9.3500e-003</b>	<b>6.0200e-003</b>	<b>0.0985</b>	<b>2.7000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1200e-003</b>		<b>27.3851</b>	<b>27.3851</b>	<b>5.8000e-004</b>	<b>6.1000e-004</b>	<b>27.5801</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS 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	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>0.5128</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**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	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	9.3500e-003	6.0200e-003	0.0985	2.7000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.3000e-004	8.1200e-003		27.3851	27.3851	5.8000e-004	6.1000e-004	27.5801
<b>Total</b>	<b>9.3500e-003</b>	<b>6.0200e-003</b>	<b>0.0985</b>	<b>2.7000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1200e-003</b>		<b>27.3851</b>	<b>27.3851</b>	<b>5.8000e-004</b>	<b>6.1000e-004</b>	<b>27.5801</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>0.5128</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3500e-003	6.0200e-003	0.0985	2.7000e-004	0.0301	1.5000e-004	0.0303	7.9800e-003	1.3000e-004	8.1200e-003		27.3851	27.3851	5.8000e-004	6.1000e-004	27.5801
<b>Total</b>	<b>9.3500e-003</b>	<b>6.0200e-003</b>	<b>0.0985</b>	<b>2.7000e-004</b>	<b>0.0301</b>	<b>1.5000e-004</b>	<b>0.0303</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1200e-003</b>		<b>27.3851</b>	<b>27.3851</b>	<b>5.8000e-004</b>	<b>6.1000e-004</b>	<b>27.5801</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>0.5019</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**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	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	8.7000e-003	5.3400e-003	0.0916	2.6000e-004	0.0301	1.4000e-004	0.0302	7.9800e-003	1.3000e-004	8.1100e-003		26.7979	26.7979	5.2000e-004	5.6000e-004	26.9780
<b>Total</b>	<b>8.7000e-003</b>	<b>5.3400e-003</b>	<b>0.0916</b>	<b>2.6000e-004</b>	<b>0.0301</b>	<b>1.4000e-004</b>	<b>0.0302</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1100e-003</b>		<b>26.7979</b>	<b>26.7979</b>	<b>5.2000e-004</b>	<b>5.6000e-004</b>	<b>26.9780</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS Architectural Coating - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>0.5019</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.7000e-003	5.3400e-003	0.0916	2.6000e-004	0.0301	1.4000e-004	0.0302	7.9800e-003	1.3000e-004	8.1100e-003		26.7979	26.7979	5.2000e-004	5.6000e-004	26.9780
<b>Total</b>	<b>8.7000e-003</b>	<b>5.3400e-003</b>	<b>0.0916</b>	<b>2.6000e-004</b>	<b>0.0301</b>	<b>1.4000e-004</b>	<b>0.0302</b>	<b>7.9800e-003</b>	<b>1.3000e-004</b>	<b>8.1100e-003</b>		<b>26.7979</b>	<b>26.7979</b>	<b>5.2000e-004</b>	<b>5.6000e-004</b>	<b>26.9780</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>0.4920</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**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	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	8.1000e-003	4.7500e-003	0.0850	2.5000e-004	0.0301	1.3000e-004	0.0302	7.9800e-003	1.2000e-004	8.1100e-003		26.1361	26.1361	4.7000e-004	5.2000e-004	26.3031
<b>Total</b>	<b>8.1000e-003</b>	<b>4.7500e-003</b>	<b>0.0850</b>	<b>2.5000e-004</b>	<b>0.0301</b>	<b>1.3000e-004</b>	<b>0.0302</b>	<b>7.9800e-003</b>	<b>1.2000e-004</b>	<b>8.1100e-003</b>		<b>26.1361</b>	<b>26.1361</b>	<b>4.7000e-004</b>	<b>5.2000e-004</b>	<b>26.3031</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.8 CS Architectural Coating - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.3211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>0.4920</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-003	4.7500e-003	0.0850	2.5000e-004	0.0301	1.3000e-004	0.0302	7.9800e-003	1.2000e-004	8.1100e-003		26.1361	26.1361	4.7000e-004	5.2000e-004	26.3031
<b>Total</b>	<b>8.1000e-003</b>	<b>4.7500e-003</b>	<b>0.0850</b>	<b>2.5000e-004</b>	<b>0.0301</b>	<b>1.3000e-004</b>	<b>0.0302</b>	<b>7.9800e-003</b>	<b>1.2000e-004</b>	<b>8.1100e-003</b>		<b>26.1361</b>	<b>26.1361</b>	<b>4.7000e-004</b>	<b>5.2000e-004</b>	<b>26.3031</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 CS Demolition - 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					
Fugitive Dust					0.1083	0.0000	0.1083	0.0164	0.0000	0.0164			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698		1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.1083</b>	<b>0.2821</b>	<b>0.3904</b>	<b>0.0164</b>	<b>0.2698</b>	<b>0.2862</b>		<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2200e-003	0.0556	0.0169	2.8000e-004	8.8500e-003	5.8000e-004	9.4400e-003	2.4300e-003	5.6000e-004	2.9900e-003		30.9525	30.9525	1.3200e-003	4.9100e-003	32.4476
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0468	0.0301	0.4925	1.3400e-003	0.1505	7.3000e-004	0.1513	0.0399	6.7000e-004	0.0406		136.9256	136.9256	2.8900e-003	3.0300e-003	137.9007
<b>Total</b>	<b>0.0480</b>	<b>0.0857</b>	<b>0.5095</b>	<b>1.6200e-003</b>	<b>0.1594</b>	<b>1.3100e-003</b>	<b>0.1607</b>	<b>0.0423</b>	<b>1.2300e-003</b>	<b>0.0436</b>		<b>167.8781</b>	<b>167.8781</b>	<b>4.2100e-003</b>	<b>7.9400e-003</b>	<b>170.3483</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.9 CS Demolition - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0487	0.0000	0.0487	7.3800e-003	0.0000	7.3800e-003			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698	0.0000	1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.0487</b>	<b>0.2821</b>	<b>0.3308</b>	<b>7.3800e-003</b>	<b>0.2698</b>	<b>0.2772</b>	<b>0.0000</b>	<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.2200e-003	0.0556	0.0169	2.8000e-004	8.8500e-003	5.8000e-004	9.4400e-003	2.4300e-003	5.6000e-004	2.9900e-003		30.9525	30.9525	1.3200e-003	4.9100e-003	32.4476
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0468	0.0301	0.4925	1.3400e-003	0.1505	7.3000e-004	0.1513	0.0399	6.7000e-004	0.0406		136.9256	136.9256	2.8900e-003	3.0300e-003	137.9007
<b>Total</b>	<b>0.0480</b>	<b>0.0857</b>	<b>0.5095</b>	<b>1.6200e-003</b>	<b>0.1594</b>	<b>1.3100e-003</b>	<b>0.1607</b>	<b>0.0423</b>	<b>1.2300e-003</b>	<b>0.0436</b>		<b>167.8781</b>	<b>167.8781</b>	<b>4.2100e-003</b>	<b>7.9400e-003</b>	<b>170.3483</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 CS Site Preparation - 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					
Fugitive Dust					4.5203	0.0000	4.5203	2.4831	0.0000	2.4831			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865		1,364.771 3	1,364.771 3	0.4414		1,375.806 2
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>4.5203</b>	<b>0.4201</b>	<b>4.9404</b>	<b>2.4831</b>	<b>0.3865</b>	<b>2.8696</b>		<b>1,364.771 3</b>	<b>1,364.771 3</b>	<b>0.4414</b>		<b>1,375.806 2</b>

**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	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	0.0374	0.0241	0.3940	1.0700e-003	0.1204	5.8000e-004	0.1210	0.0319	5.4000e-004	0.0325		109.5405	109.5405	2.3200e-003	2.4200e-003	110.3206
<b>Total</b>	<b>0.0374</b>	<b>0.0241</b>	<b>0.3940</b>	<b>1.0700e-003</b>	<b>0.1204</b>	<b>5.8000e-004</b>	<b>0.1210</b>	<b>0.0319</b>	<b>5.4000e-004</b>	<b>0.0325</b>		<b>109.5405</b>	<b>109.5405</b>	<b>2.3200e-003</b>	<b>2.4200e-003</b>	<b>110.3206</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.10 CS Site Preparation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0341	0.0000	2.0341	1.1174	0.0000	1.1174			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865	0.0000	1,364.771 3	1,364.771 3	0.4414		1,375.806 2
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>2.0341</b>	<b>0.4201</b>	<b>2.4542</b>	<b>1.1174</b>	<b>0.3865</b>	<b>1.5039</b>	<b>0.0000</b>	<b>1,364.771 3</b>	<b>1,364.771 3</b>	<b>0.4414</b>		<b>1,375.806 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0374	0.0241	0.3940	1.0700e-003	0.1204	5.8000e-004	0.1210	0.0319	5.4000e-004	0.0325		109.5405	109.5405	2.3200e-003	2.4200e-003	110.3206
<b>Total</b>	<b>0.0374</b>	<b>0.0241</b>	<b>0.3940</b>	<b>1.0700e-003</b>	<b>0.1204</b>	<b>5.8000e-004</b>	<b>0.1210</b>	<b>0.0319</b>	<b>5.4000e-004</b>	<b>0.0325</b>		<b>109.5405</b>	<b>109.5405</b>	<b>2.3200e-003</b>	<b>2.4200e-003</b>	<b>110.3206</b>



13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.11 CS Trenching - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636		500.2654	500.2654	0.1618		504.3103
<b>Total</b>	<b>0.1803</b>	<b>1.4029</b>	<b>3.2650</b>	<b>5.1700e-003</b>		<b>0.0691</b>	<b>0.0691</b>		<b>0.0636</b>	<b>0.0636</b>		<b>500.2654</b>	<b>500.2654</b>	<b>0.1618</b>		<b>504.3103</b>

**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	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	0.0130	8.0000e-003	0.1375	3.9000e-004	0.0452	2.1000e-004	0.0454	0.0120	1.9000e-004	0.0122		40.1969	40.1969	7.8000e-004	8.4000e-004	40.4671
<b>Total</b>	<b>0.0130</b>	<b>8.0000e-003</b>	<b>0.1375</b>	<b>3.9000e-004</b>	<b>0.0452</b>	<b>2.1000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>1.9000e-004</b>	<b>0.0122</b>		<b>40.1969</b>	<b>40.1969</b>	<b>7.8000e-004</b>	<b>8.4000e-004</b>	<b>40.4671</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.11 CS Trenching - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1803	1.4029	3.2650	5.1700e-003		0.0691	0.0691		0.0636	0.0636	0.0000	500.2654	500.2654	0.1618		504.3103
<b>Total</b>	<b>0.1803</b>	<b>1.4029</b>	<b>3.2650</b>	<b>5.1700e-003</b>		<b>0.0691</b>	<b>0.0691</b>		<b>0.0636</b>	<b>0.0636</b>	<b>0.0000</b>	<b>500.2654</b>	<b>500.2654</b>	<b>0.1618</b>		<b>504.3103</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0130	8.0000e-003	0.1375	3.9000e-004	0.0452	2.1000e-004	0.0454	0.0120	1.9000e-004	0.0122		40.1969	40.1969	7.8000e-004	8.4000e-004	40.4671
<b>Total</b>	<b>0.0130</b>	<b>8.0000e-003</b>	<b>0.1375</b>	<b>3.9000e-004</b>	<b>0.0452</b>	<b>2.1000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>1.9000e-004</b>	<b>0.0122</b>		<b>40.1969</b>	<b>40.1969</b>	<b>7.8000e-004</b>	<b>8.4000e-004</b>	<b>40.4671</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.11 CS Trenching - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1671	1.2217	3.2594	5.1700e-003		0.0599	0.0599		0.0551	0.0551		500.3379	500.3379	0.1618		504.3834
<b>Total</b>	<b>0.1671</b>	<b>1.2217</b>	<b>3.2594</b>	<b>5.1700e-003</b>		<b>0.0599</b>	<b>0.0599</b>		<b>0.0551</b>	<b>0.0551</b>		<b>500.3379</b>	<b>500.3379</b>	<b>0.1618</b>		<b>504.3834</b>

**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	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	0.0122	7.1300e-003	0.1274	3.8000e-004	0.0452	2.0000e-004	0.0454	0.0120	1.8000e-004	0.0122		39.2042	39.2042	7.0000e-004	7.8000e-004	39.4547
<b>Total</b>	<b>0.0122</b>	<b>7.1300e-003</b>	<b>0.1274</b>	<b>3.8000e-004</b>	<b>0.0452</b>	<b>2.0000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>1.8000e-004</b>	<b>0.0122</b>		<b>39.2042</b>	<b>39.2042</b>	<b>7.0000e-004</b>	<b>7.8000e-004</b>	<b>39.4547</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.11 CS Trenching - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.1671	1.2217	3.2594	5.1700e-003		0.0599	0.0599		0.0551	0.0551	0.0000	500.3379	500.3379	0.1618		504.3834
<b>Total</b>	<b>0.1671</b>	<b>1.2217</b>	<b>3.2594</b>	<b>5.1700e-003</b>		<b>0.0599</b>	<b>0.0599</b>		<b>0.0551</b>	<b>0.0551</b>	<b>0.0000</b>	<b>500.3379</b>	<b>500.3379</b>	<b>0.1618</b>		<b>504.3834</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0122	7.1300e-003	0.1274	3.8000e-004	0.0452	2.0000e-004	0.0454	0.0120	1.8000e-004	0.0122		39.2042	39.2042	7.0000e-004	7.8000e-004	39.4547
<b>Total</b>	<b>0.0122</b>	<b>7.1300e-003</b>	<b>0.1274</b>	<b>3.8000e-004</b>	<b>0.0452</b>	<b>2.0000e-004</b>	<b>0.0454</b>	<b>0.0120</b>	<b>1.8000e-004</b>	<b>0.0122</b>		<b>39.2042</b>	<b>39.2042</b>	<b>7.0000e-004</b>	<b>7.8000e-004</b>	<b>39.4547</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.12 CS Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7609	7.7261	7.9549	0.0143		0.3553	0.3553		0.3269	0.3269		1,384.387 1	1,384.387 1	0.4477		1,395.580 5
<b>Total</b>	<b>0.7609</b>	<b>7.7261</b>	<b>7.9549</b>	<b>0.0143</b>		<b>0.3553</b>	<b>0.3553</b>		<b>0.3269</b>	<b>0.3269</b>		<b>1,384.387 1</b>	<b>1,384.387 1</b>	<b>0.4477</b>		<b>1,395.580 5</b>

**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	0.0000
Vendor	3.5900e-003	0.1161	0.0451	6.0000e-004	0.0220	8.9000e-004	0.0229	6.3300e-003	8.5000e-004	7.1800e-003		64.2058	64.2058	1.6500e-003	9.4700e-003	67.0694
Worker	0.0391	0.0240	0.4123	1.1700e-003	0.1355	6.3000e-004	0.1361	0.0359	5.8000e-004	0.0365		120.5906	120.5906	2.3500e-003	2.5200e-003	121.4012
<b>Total</b>	<b>0.0427</b>	<b>0.1401</b>	<b>0.4574</b>	<b>1.7700e-003</b>	<b>0.1575</b>	<b>1.5200e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4300e-003</b>	<b>0.0437</b>		<b>184.7964</b>	<b>184.7964</b>	<b>4.0000e-003</b>	<b>0.0120</b>	<b>188.4706</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.12 CS Building Construction - 2024**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7609	7.7261	7.9549	0.0143		0.3553	0.3553		0.3269	0.3269	0.0000	1,384.387 1	1,384.387 1	0.4477		1,395.580 5
<b>Total</b>	<b>0.7609</b>	<b>7.7261</b>	<b>7.9549</b>	<b>0.0143</b>		<b>0.3553</b>	<b>0.3553</b>		<b>0.3269</b>	<b>0.3269</b>	<b>0.0000</b>	<b>1,384.387 1</b>	<b>1,384.387 1</b>	<b>0.4477</b>		<b>1,395.580 5</b>

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5900e-003	0.1161	0.0451	6.0000e-004	0.0220	8.9000e-004	0.0229	6.3300e-003	8.5000e-004	7.1800e-003		64.2058	64.2058	1.6500e-003	9.4700e-003	67.0694
Worker	0.0391	0.0240	0.4123	1.1700e-003	0.1355	6.3000e-004	0.1361	0.0359	5.8000e-004	0.0365		120.5906	120.5906	2.3500e-003	2.5200e-003	121.4012
<b>Total</b>	<b>0.0427</b>	<b>0.1401</b>	<b>0.4574</b>	<b>1.7700e-003</b>	<b>0.1575</b>	<b>1.5200e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4300e-003</b>	<b>0.0437</b>		<b>184.7964</b>	<b>184.7964</b>	<b>4.0000e-003</b>	<b>0.0120</b>	<b>188.4706</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.12 CS Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7074	7.0659	7.8964	0.0143		0.3086	0.3086		0.2839	0.2839		1,384.984 2	1,384.984 2	0.4479		1,396.182 5
<b>Total</b>	<b>0.7074</b>	<b>7.0659</b>	<b>7.8964</b>	<b>0.0143</b>		<b>0.3086</b>	<b>0.3086</b>		<b>0.2839</b>	<b>0.2839</b>		<b>1,384.984 2</b>	<b>1,384.984 2</b>	<b>0.4479</b>		<b>1,396.182 5</b>

**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	0.0000
Vendor	3.5200e-003	0.1153	0.0443	5.9000e-004	0.0220	8.9000e-004	0.0229	6.3300e-003	8.5000e-004	7.1800e-003		62.9569	62.9569	1.6000e-003	9.2800e-003	65.7628
Worker	0.0365	0.0214	0.3823	1.1300e-003	0.1355	6.0000e-004	0.1361	0.0359	5.5000e-004	0.0365		117.6125	117.6125	2.1100e-003	2.3400e-003	118.3639
<b>Total</b>	<b>0.0400</b>	<b>0.1367</b>	<b>0.4267</b>	<b>1.7200e-003</b>	<b>0.1575</b>	<b>1.4900e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4000e-003</b>	<b>0.0437</b>		<b>180.5694</b>	<b>180.5694</b>	<b>3.7100e-003</b>	<b>0.0116</b>	<b>184.1268</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.12 CS Building Construction - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7074	7.0659	7.8964	0.0143		0.3086	0.3086		0.2839	0.2839	0.0000	1,384.984 2	1,384.984 2	0.4479		1,396.182 5
<b>Total</b>	<b>0.7074</b>	<b>7.0659</b>	<b>7.8964</b>	<b>0.0143</b>		<b>0.3086</b>	<b>0.3086</b>		<b>0.2839</b>	<b>0.2839</b>	<b>0.0000</b>	<b>1,384.984 2</b>	<b>1,384.984 2</b>	<b>0.4479</b>		<b>1,396.182 5</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5200e-003	0.1153	0.0443	5.9000e-004	0.0220	8.9000e-004	0.0229	6.3300e-003	8.5000e-004	7.1800e-003		62.9569	62.9569	1.6000e-003	9.2800e-003	65.7628
Worker	0.0365	0.0214	0.3823	1.1300e-003	0.1355	6.0000e-004	0.1361	0.0359	5.5000e-004	0.0365		117.6125	117.6125	2.1100e-003	2.3400e-003	118.3639
<b>Total</b>	<b>0.0400</b>	<b>0.1367</b>	<b>0.4267</b>	<b>1.7200e-003</b>	<b>0.1575</b>	<b>1.4900e-003</b>	<b>0.1590</b>	<b>0.0423</b>	<b>1.4000e-003</b>	<b>0.0437</b>		<b>180.5694</b>	<b>180.5694</b>	<b>3.7100e-003</b>	<b>0.0116</b>	<b>184.1268</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.13 CS Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>		<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>

**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	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	0.0783	0.0480	0.8247	2.3400e-003	0.2709	1.2600e-003	0.2722	0.0719	1.1600e-003	0.0730		241.1812	241.1812	4.7000e-003	5.0500e-003	242.8023
<b>Total</b>	<b>0.0783</b>	<b>0.0480</b>	<b>0.8247</b>	<b>2.3400e-003</b>	<b>0.2709</b>	<b>1.2600e-003</b>	<b>0.2722</b>	<b>0.0719</b>	<b>1.1600e-003</b>	<b>0.0730</b>		<b>241.1812</b>	<b>241.1812</b>	<b>4.7000e-003</b>	<b>5.0500e-003</b>	<b>242.8023</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.13 CS Paving - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>	<b>0.0000</b>	<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0783	0.0480	0.8247	2.3400e-003	0.2709	1.2600e-003	0.2722	0.0719	1.1600e-003	0.0730		241.1812	241.1812	4.7000e-003	5.0500e-003	242.8023
<b>Total</b>	<b>0.0783</b>	<b>0.0480</b>	<b>0.8247</b>	<b>2.3400e-003</b>	<b>0.2709</b>	<b>1.2600e-003</b>	<b>0.2722</b>	<b>0.0719</b>	<b>1.1600e-003</b>	<b>0.0730</b>		<b>241.1812</b>	<b>241.1812</b>	<b>4.7000e-003</b>	<b>5.0500e-003</b>	<b>242.8023</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.13 CS Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046		1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5638</b>	<b>4.9206</b>	<b>7.0257</b>	<b>0.0113</b>		<b>0.2186</b>	<b>0.2186</b>		<b>0.2046</b>	<b>0.2046</b>		<b>1,036.271 1</b>	<b>1,036.271 1</b>	<b>0.3019</b>		<b>1,043.817 9</b>

**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	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	0.0729	0.0428	0.7647	2.2600e-003	0.2709	1.2000e-003	0.2721	0.0719	1.1000e-003	0.0730		235.2251	235.2251	4.2100e-003	4.6900e-003	236.7279
<b>Total</b>	<b>0.0729</b>	<b>0.0428</b>	<b>0.7647</b>	<b>2.2600e-003</b>	<b>0.2709</b>	<b>1.2000e-003</b>	<b>0.2721</b>	<b>0.0719</b>	<b>1.1000e-003</b>	<b>0.0730</b>		<b>235.2251</b>	<b>235.2251</b>	<b>4.2100e-003</b>	<b>4.6900e-003</b>	<b>236.7279</b>

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.13 CS Paving - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046	0.0000	1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5638</b>	<b>4.9206</b>	<b>7.0257</b>	<b>0.0113</b>		<b>0.2186</b>	<b>0.2186</b>		<b>0.2046</b>	<b>0.2046</b>	<b>0.0000</b>	<b>1,036.271 1</b>	<b>1,036.271 1</b>	<b>0.3019</b>		<b>1,043.817 9</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0729	0.0428	0.7647	2.2600e-003	0.2709	1.2000e-003	0.2721	0.0719	1.1000e-003	0.0730		235.2251	235.2251	4.2100e-003	4.6900e-003	236.7279
<b>Total</b>	<b>0.0729</b>	<b>0.0428</b>	<b>0.7647</b>	<b>2.2600e-003</b>	<b>0.2709</b>	<b>1.2000e-003</b>	<b>0.2721</b>	<b>0.0719</b>	<b>1.1000e-003</b>	<b>0.0730</b>		<b>235.2251</b>	<b>235.2251</b>	<b>4.2100e-003</b>	<b>4.6900e-003</b>	<b>236.7279</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**4.0 Operational Detail - Mobile**

**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	0.5343	0.6257	4.7581	0.0105	1.0799	7.9500e-003	1.0878	0.2880	7.4400e-003	0.2954		1,092.6835	1,092.6835	0.0578	0.0503	1,109.1182
Unmitigated	0.5343	0.6257	4.7581	0.0105	1.0799	7.9500e-003	1.0878	0.2880	7.4400e-003	0.2954		1,092.6835	1,092.6835	0.0578	0.0503	1,109.1182

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	183.92	183.92	183.92	511,429	511,429
Total	183.92	183.92	183.92	511,429	511,429

**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
Hotel	18.50	10.10	7.90	19.40	61.60	19.00	58	38	4

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.543085	0.056300	0.173085	0.134258	0.025645	0.007009	0.011926	0.017481	0.000552	0.000248	0.024848	0.000956	0.004606

13980 - UCLA Lake Arrowhead - San Bernardino-South Coast County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

**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					
Hotel	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>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	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**

**6.1 Mitigation Measures Area**

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	0.4537	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.8100e-003	4.8100e-003	1.0000e-005		5.1300e-003
Unmitigated	0.4537	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.8100e-003	4.8100e-003	1.0000e-005		5.1300e-003

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0516					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.1000e-004	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		4.8100e-003	4.8100e-003	1.0000e-005		5.1300e-003
<b>Total</b>	<b>0.4537</b>	<b>2.0000e-005</b>	<b>2.2400e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>4.8100e-003</b>	<b>4.8100e-003</b>	<b>1.0000e-005</b>		<b>5.1300e-003</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0516					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4019					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.1000e-004	2.0000e-005	2.2400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005			4.8100e-003	4.8100e-003	1.0000e-005	5.1300e-003
<b>Total</b>	<b>0.4537</b>	<b>2.0000e-005</b>	<b>2.2400e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>			<b>4.8100e-003</b>	<b>4.8100e-003</b>	<b>1.0000e-005</b>	<b>5.1300e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**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**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**13980 - UCLA Lake Arrowhead  
San Bernardino-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Hotel	22.00	Room	0.60	20,300.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	32
<b>Climate Zone</b>	10	<b>Operational Year</b>		2025	
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Square footage and lot acreage based on site-specific data.

Construction Phase - Construction schedule assumes demolition will occur in the first phase and site preparation in the second. Trenching, building construction, paving, and architectural coating will occur concurrently in the third phase.

Off-road Equipment -

Off-road Equipment - Bore/drill rigs and generators added per construction equipment info.

Off-road Equipment -

Off-road Equipment - Based on defaults and construction equipment info.

Off-road Equipment - Based on defaults and construction equipment info.

Off-road Equipment -

Off-road Equipment - Based on defaults and construction equipment info.

Off-road Equipment - Based on defaults.

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Off-road Equipment -

Off-road Equipment -

Off-road Equipment - Pump added per construction info.

Off-road Equipment - Bobcat added per construction equipment info.

Off-road Equipment - Excavator included per construction equipment info.

Trips and VMT -

On-road Fugitive Dust -

Demolition - Assumes demolition of 2,220 SF of maintenance building and and 9,790 SF Cedar Lodge

Grading - Assumes 0.3 acres (15,000 sf) will be graded.

Vehicle Trips - Assumes 184 daily trips.

Energy Use - Facility will not utilize natural gas.

Construction Off-road Equipment Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Architectural Coating -

Fleet Mix -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products -

Area Coating -

Landscape Equipment -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	152.00
tblConstructionPhase	NumDays	5.00	586.00
tblConstructionPhase	NumDays	100.00	326.00
tblConstructionPhase	NumDays	100.00	152.00
tblConstructionPhase	NumDays	10.00	44.00

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tblConstructionPhase	NumDays	10.00	89.00
tblConstructionPhase	NumDays	5.00	326.00
tblConstructionPhase	NumDays	5.00	152.00
tblConstructionPhase	NumDays	1.00	43.00
tblConstructionPhase	NumDays	1.00	86.00
tblEnergyUse	NT24NG	4.86	0.00
tblEnergyUse	T24NG	54.60	0.00
tblGrading	AcresOfGrading	32.25	0.30
tblGrading	AcresOfGrading	64.50	0.30
tblLandUse	LandUseSquareFeet	31,944.00	20,300.00
tblLandUse	LotAcreage	0.73	0.60
tblOffRoadEquipment	HorsePower	158.00	221.00
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	UsageHours	4.00	8.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	8.19	8.36
tblVehicleTrips	SU_TR	5.95	8.36

**2.0 Emissions Summary**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1389	1.0268	1.0332	2.1400e-003	0.1158	0.0485	0.1643	0.0582	0.0459	0.1041	0.0000	186.8290	186.8290	0.0404	6.1000e-004	188.0208
2023	0.3697	2.2765	2.6097	5.4000e-003	0.2433	0.1043	0.3476	0.1193	0.0993	0.2186	0.0000	470.4811	470.4811	0.0948	1.5200e-003	473.3029
2024	0.2834	2.0690	2.7979	5.0000e-003	0.0647	0.0958	0.1605	0.0173	0.0892	0.1065	0.0000	435.2804	435.2804	0.1114	2.2600e-003	438.7397
2025	0.0656	0.4659	0.6783	1.2200e-003	0.0158	0.0205	0.0363	4.2200e-003	0.0191	0.0234	0.0000	106.0303	106.0303	0.0272	5.3000e-004	106.8670
<b>Maximum</b>	<b>0.3697</b>	<b>2.2765</b>	<b>2.7979</b>	<b>5.4000e-003</b>	<b>0.2433</b>	<b>0.1043</b>	<b>0.3476</b>	<b>0.1193</b>	<b>0.0993</b>	<b>0.2186</b>	<b>0.0000</b>	<b>470.4811</b>	<b>470.4811</b>	<b>0.1114</b>	<b>2.2600e-003</b>	<b>473.3029</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1389	1.0268	1.0332	2.1400e-003	0.0617	0.0485	0.1102	0.0287	0.0459	0.0747	0.0000	186.8288	186.8288	0.0404	6.1000e-004	188.0206
2023	0.3697	2.2765	2.6097	5.4000e-003	0.1338	0.1043	0.2381	0.0601	0.0993	0.1594	0.0000	470.4806	470.4806	0.0948	1.5200e-003	473.3024
2024	0.2834	2.0690	2.7979	5.0000e-003	0.0647	0.0958	0.1605	0.0173	0.0892	0.1065	0.0000	435.2799	435.2799	0.1114	2.2600e-003	438.7392
2025	0.0656	0.4659	0.6783	1.2200e-003	0.0158	0.0205	0.0363	4.2200e-003	0.0191	0.0234	0.0000	106.0302	106.0302	0.0272	5.3000e-004	106.8669
<b>Maximum</b>	<b>0.3697</b>	<b>2.2765</b>	<b>2.7979</b>	<b>5.4000e-003</b>	<b>0.1338</b>	<b>0.1043</b>	<b>0.2381</b>	<b>0.0601</b>	<b>0.0993</b>	<b>0.1594</b>	<b>0.0000</b>	<b>470.4806</b>	<b>470.4806</b>	<b>0.1114</b>	<b>2.2600e-003</b>	<b>473.3024</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>37.22</b>	<b>0.00</b>	<b>23.09</b>	<b>44.53</b>	<b>0.00</b>	<b>19.58</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2022	9-30-2022	0.3013	0.3013
2	10-1-2022	12-31-2022	0.8623	0.8623
3	1-1-2023	3-31-2023	1.0917	1.0917
4	4-1-2023	6-30-2023	0.9022	0.9022
5	7-1-2023	9-30-2023	0.3251	0.3251
6	10-1-2023	12-31-2023	0.4273	0.4273
7	1-1-2024	3-31-2024	0.5838	0.5838
8	4-1-2024	6-30-2024	0.5835	0.5835

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9	7-1-2024	9-30-2024	0.5899	0.5899
10	10-1-2024	12-31-2024	0.5902	0.5902
11	1-1-2025	3-31-2025	0.5341	0.5341
		Highest	1.0917	1.0917

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0828	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	112.8669	112.8669	4.6600e-003	9.6000e-004	113.2706
Mobile	0.0829	0.1232	0.8137	1.7900e-003	0.1928	1.4500e-003	0.1943	0.0515	1.3500e-003	0.0529	0.0000	169.7709	169.7709	9.9300e-003	8.6200e-003	172.5884
Waste						0.0000	0.0000		0.0000	0.0000	2.4440	0.0000	2.4440	0.1444	0.0000	6.0549
Water						0.0000	0.0000		0.0000	0.0000	0.1771	2.5348	2.7119	0.0183	4.5000e-004	3.3035
<b>Total</b>	<b>0.1657</b>	<b>0.1232</b>	<b>0.8140</b>	<b>1.7900e-003</b>	<b>0.1928</b>	<b>1.4500e-003</b>	<b>0.1943</b>	<b>0.0515</b>	<b>1.3500e-003</b>	<b>0.0529</b>	<b>2.6211</b>	<b>285.1731</b>	<b>287.7942</b>	<b>0.1773</b>	<b>0.0100</b>	<b>295.2181</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0828	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	112.8669	112.8669	4.6600e-003	9.6000e-004	113.2706
Mobile	0.0829	0.1232	0.8137	1.7900e-003	0.1928	1.4500e-003	0.1943	0.0515	1.3500e-003	0.0529	0.0000	169.7709	169.7709	9.9300e-003	8.6200e-003	172.5884
Waste						0.0000	0.0000		0.0000	0.0000	2.4440	0.0000	2.4440	0.1444	0.0000	6.0549
Water						0.0000	0.0000		0.0000	0.0000	0.1771	2.5348	2.7119	0.0183	4.5000e-004	3.3035
<b>Total</b>	<b>0.1657</b>	<b>0.1232</b>	<b>0.8140</b>	<b>1.7900e-003</b>	<b>0.1928</b>	<b>1.4500e-003</b>	<b>0.1943</b>	<b>0.0515</b>	<b>1.3500e-003</b>	<b>0.0529</b>	<b>2.6211</b>	<b>285.1731</b>	<b>287.7942</b>	<b>0.1773</b>	<b>0.0100</b>	<b>295.2181</b>

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

**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	7/1/2022	8/31/2022	5	44	
2	Site Preparation	Site Preparation	9/1/2022	10/31/2022	5	43	
3	Trenching	Trenching	11/1/2022	5/31/2023	5	152	

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4	Building Construction	Building Construction	11/1/2022	5/31/2023	5	152
5	Paving	Paving	11/1/2022	5/31/2023	5	152
6	Architectural Coating	Architectural Coating	11/1/2022	5/31/2023	5	152
7	CS Architectural Coating	Architectural Coating	1/1/2023	3/31/2025	5	586
8	CS Demolition	Demolition	5/1/2023	8/31/2023	5	89
9	CS Site Preparation	Site Preparation	9/1/2023	12/31/2023	5	86
10	CS Trenching	Trenching	1/1/2024	3/31/2025	5	326
11	CS Building Construction	Building Construction	1/1/2024	3/31/2025	5	326
12	CS Paving	Paving	1/1/2024	3/31/2025	5	326

**Acres of Grading (Site Preparation Phase): 0.3**

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 30,450; Non-Residential Outdoor: 10,150; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	6.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	6.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Excavators	1	8.00	221	0.50
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74

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Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Pumps	1	8.00	84	0.74
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48
CS Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
CS Demolition	Rubber Tired Dozers	1	1.00	247	0.40
CS Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
CS Site Preparation	Graders	1	6.00	187	0.41
CS Site Preparation	Rubber Tired Dozers	1	6.00	247	0.40
CS Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
CS Trenching	Excavators	1	8.00	158	0.38
CS Building Construction	Cranes	1	8.00	231	0.29
CS Building Construction	Forklifts	2	6.00	89	0.20
CS Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
CS Paving	Cement and Mortar Mixers	4	6.00	9	0.56
CS Paving	Pavers	1	7.00	130	0.42
CS Paving	Rollers	1	7.00	80	0.38
CS Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
CS Architectural Coating	Air Compressors	1	6.00	78	0.48

**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	4	10.00	0.00	10.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

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Trenching	1	3.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	9.00	3.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Demolition	4	10.00	0.00	45.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Site Preparation	3	8.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Trenching	1	3.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Building Construction	5	9.00	3.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Paving	7	18.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
CS Architectural Coating	1	2.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0900e-003	0.0000	1.0900e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0156	0.1411	0.1643	2.6000e-004		7.4300e-003	7.4300e-003		7.1000e-003	7.1000e-003	0.0000	22.9099	22.9099	4.2300e-003	0.0000	23.0156
<b>Total</b>	<b>0.0156</b>	<b>0.1411</b>	<b>0.1643</b>	<b>2.6000e-004</b>	<b>1.0900e-003</b>	<b>7.4300e-003</b>	<b>8.5200e-003</b>	<b>1.7000e-004</b>	<b>7.1000e-003</b>	<b>7.2700e-003</b>	<b>0.0000</b>	<b>22.9099</b>	<b>22.9099</b>	<b>4.2300e-003</b>	<b>0.0000</b>	<b>23.0156</b>

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**3.2 Demolition - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.2000e-004	1.8000e-004	0.0000	9.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2906	0.2906	1.0000e-005	5.0000e-005	0.3046
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0100e-003	8.3000e-004	0.0101	3.0000e-005	3.2500e-003	2.0000e-005	3.2700e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.5925	2.5925	6.0000e-005	7.0000e-005	2.6150
<b>Total</b>	<b>1.0300e-003</b>	<b>1.5500e-003</b>	<b>0.0103</b>	<b>3.0000e-005</b>	<b>3.3400e-003</b>	<b>3.0000e-005</b>	<b>3.3600e-003</b>	<b>8.8000e-004</b>	<b>3.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>2.8831</b>	<b>2.8831</b>	<b>7.0000e-005</b>	<b>1.2000e-004</b>	<b>2.9197</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.9000e-004	0.0000	4.9000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0156	0.1411	0.1643	2.6000e-004		7.4300e-003	7.4300e-003		7.1000e-003	7.1000e-003	0.0000	22.9099	22.9099	4.2300e-003	0.0000	23.0156
<b>Total</b>	<b>0.0156</b>	<b>0.1411</b>	<b>0.1643</b>	<b>2.6000e-004</b>	<b>4.9000e-004</b>	<b>7.4300e-003</b>	<b>7.9200e-003</b>	<b>7.0000e-005</b>	<b>7.1000e-003</b>	<b>7.1700e-003</b>	<b>0.0000</b>	<b>22.9099</b>	<b>22.9099</b>	<b>4.2300e-003</b>	<b>0.0000</b>	<b>23.0156</b>

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**3.2 Demolition - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.0000e-005	7.2000e-004	1.8000e-004	0.0000	9.0000e-005	1.0000e-005	9.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2906	0.2906	1.0000e-005	5.0000e-005	0.3046
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0100e-003	8.3000e-004	0.0101	3.0000e-005	3.2500e-003	2.0000e-005	3.2700e-003	8.6000e-004	2.0000e-005	8.8000e-004	0.0000	2.5925	2.5925	6.0000e-005	7.0000e-005	2.6150
<b>Total</b>	<b>1.0300e-003</b>	<b>1.5500e-003</b>	<b>0.0103</b>	<b>3.0000e-005</b>	<b>3.3400e-003</b>	<b>3.0000e-005</b>	<b>3.3600e-003</b>	<b>8.8000e-004</b>	<b>3.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>2.8831</b>	<b>2.8831</b>	<b>7.0000e-005</b>	<b>1.2000e-004</b>	<b>2.9197</b>

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0973	0.0000	0.0973	0.0534	0.0000	0.0534	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0233	0.2581	0.1276	3.0000e-004		0.0111	0.0111		0.0102	0.0102	0.0000	26.6201	26.6201	8.6100e-003	0.0000	26.8353
<b>Total</b>	<b>0.0233</b>	<b>0.2581</b>	<b>0.1276</b>	<b>3.0000e-004</b>	<b>0.0973</b>	<b>0.0111</b>	<b>0.1084</b>	<b>0.0534</b>	<b>0.0102</b>	<b>0.0636</b>	<b>0.0000</b>	<b>26.6201</b>	<b>26.6201</b>	<b>8.6100e-003</b>	<b>0.0000</b>	<b>26.8353</b>

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**3.3 Site Preparation - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	6.5000e-004	7.8900e-003	2.0000e-005	2.5400e-003	1.0000e-005	2.5500e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0268	2.0268	5.0000e-005	6.0000e-005	2.0445
<b>Total</b>	<b>7.9000e-004</b>	<b>6.5000e-004</b>	<b>7.8900e-003</b>	<b>2.0000e-005</b>	<b>2.5400e-003</b>	<b>1.0000e-005</b>	<b>2.5500e-003</b>	<b>6.7000e-004</b>	<b>1.0000e-005</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>2.0268</b>	<b>2.0268</b>	<b>5.0000e-005</b>	<b>6.0000e-005</b>	<b>2.0445</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0438	0.0000	0.0438	0.0240	0.0000	0.0240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0233	0.2581	0.1276	3.0000e-004		0.0111	0.0111		0.0102	0.0102	0.0000	26.6201	26.6201	8.6100e-003	0.0000	26.8353
<b>Total</b>	<b>0.0233</b>	<b>0.2581</b>	<b>0.1276</b>	<b>3.0000e-004</b>	<b>0.0438</b>	<b>0.0111</b>	<b>0.0549</b>	<b>0.0240</b>	<b>0.0102</b>	<b>0.0343</b>	<b>0.0000</b>	<b>26.6201</b>	<b>26.6201</b>	<b>8.6100e-003</b>	<b>0.0000</b>	<b>26.8353</b>

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**3.3 Site Preparation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9000e-004	6.5000e-004	7.8900e-003	2.0000e-005	2.5400e-003	1.0000e-005	2.5500e-003	6.7000e-004	1.0000e-005	6.9000e-004	0.0000	2.0268	2.0268	5.0000e-005	6.0000e-005	2.0445
<b>Total</b>	<b>7.9000e-004</b>	<b>6.5000e-004</b>	<b>7.8900e-003</b>	<b>2.0000e-005</b>	<b>2.5400e-003</b>	<b>1.0000e-005</b>	<b>2.5500e-003</b>	<b>6.7000e-004</b>	<b>1.0000e-005</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>2.0268</b>	<b>2.0268</b>	<b>5.0000e-005</b>	<b>6.0000e-005</b>	<b>2.0445</b>

**3.4 Trenching - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3600e-003	0.0594	0.0468	2.1000e-004		1.8700e-003	1.8700e-003		1.7200e-003	1.7200e-003	0.0000	18.3605	18.3605	5.9400e-003	0.0000	18.5090
<b>Total</b>	<b>6.3600e-003</b>	<b>0.0594</b>	<b>0.0468</b>	<b>2.1000e-004</b>		<b>1.8700e-003</b>	<b>1.8700e-003</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>18.3605</b>	<b>18.3605</b>	<b>5.9400e-003</b>	<b>0.0000</b>	<b>18.5090</b>



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**3.4 Trenching - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.5000e-004	3.0300e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7777	0.7777	2.0000e-005	2.0000e-005	0.7845
<b>Total</b>	<b>3.0000e-004</b>	<b>2.5000e-004</b>	<b>3.0300e-003</b>	<b>1.0000e-005</b>	<b>9.7000e-004</b>	<b>1.0000e-005</b>	<b>9.8000e-004</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>0.7777</b>	<b>0.7777</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7845</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.3600e-003	0.0594	0.0468	2.1000e-004		1.8700e-003	1.8700e-003		1.7200e-003	1.7200e-003	0.0000	18.3605	18.3605	5.9400e-003	0.0000	18.5090
<b>Total</b>	<b>6.3600e-003</b>	<b>0.0594</b>	<b>0.0468</b>	<b>2.1000e-004</b>		<b>1.8700e-003</b>	<b>1.8700e-003</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>18.3605</b>	<b>18.3605</b>	<b>5.9400e-003</b>	<b>0.0000</b>	<b>18.5090</b>

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**3.4 Trenching - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.5000e-004	3.0300e-003	1.0000e-005	9.7000e-004	1.0000e-005	9.8000e-004	2.6000e-004	0.0000	2.6000e-004	0.0000	0.7777	0.7777	2.0000e-005	2.0000e-005	0.7845
<b>Total</b>	<b>3.0000e-004</b>	<b>2.5000e-004</b>	<b>3.0300e-003</b>	<b>1.0000e-005</b>	<b>9.7000e-004</b>	<b>1.0000e-005</b>	<b>9.8000e-004</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>0.7777</b>	<b>0.7777</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7845</b>

**3.4 Trenching - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1273	0.1147	5.1000e-004		4.0800e-003	4.0800e-003		3.7500e-003	3.7500e-003	0.0000	45.0831	45.0831	0.0146	0.0000	45.4477
<b>Total</b>	<b>0.0149</b>	<b>0.1273</b>	<b>0.1147</b>	<b>5.1000e-004</b>		<b>4.0800e-003</b>	<b>4.0800e-003</b>		<b>3.7500e-003</b>	<b>3.7500e-003</b>	<b>0.0000</b>	<b>45.0831</b>	<b>45.0831</b>	<b>0.0146</b>	<b>0.0000</b>	<b>45.4477</b>

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**3.4 Trenching - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.4000e-004	6.8000e-003	2.0000e-005	2.3900e-003	1.0000e-005	2.4000e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8587	1.8587	4.0000e-005	5.0000e-005	1.8739
<b>Total</b>	<b>6.9000e-004</b>	<b>5.4000e-004</b>	<b>6.8000e-003</b>	<b>2.0000e-005</b>	<b>2.3900e-003</b>	<b>1.0000e-005</b>	<b>2.4000e-003</b>	<b>6.4000e-004</b>	<b>1.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>1.8587</b>	<b>1.8587</b>	<b>4.0000e-005</b>	<b>5.0000e-005</b>	<b>1.8739</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0149	0.1273	0.1147	5.1000e-004		4.0800e-003	4.0800e-003		3.7500e-003	3.7500e-003	0.0000	45.0831	45.0831	0.0146	0.0000	45.4476
<b>Total</b>	<b>0.0149</b>	<b>0.1273</b>	<b>0.1147</b>	<b>5.1000e-004</b>		<b>4.0800e-003</b>	<b>4.0800e-003</b>		<b>3.7500e-003</b>	<b>3.7500e-003</b>	<b>0.0000</b>	<b>45.0831</b>	<b>45.0831</b>	<b>0.0146</b>	<b>0.0000</b>	<b>45.4476</b>

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**3.4 Trenching - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.9000e-004	5.4000e-004	6.8000e-003	2.0000e-005	2.3900e-003	1.0000e-005	2.4000e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.8587	1.8587	4.0000e-005	5.0000e-005	1.8739
<b>Total</b>	<b>6.9000e-004</b>	<b>5.4000e-004</b>	<b>6.8000e-003</b>	<b>2.0000e-005</b>	<b>2.3900e-003</b>	<b>1.0000e-005</b>	<b>2.4000e-003</b>	<b>6.4000e-004</b>	<b>1.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>1.8587</b>	<b>1.8587</b>	<b>4.0000e-005</b>	<b>5.0000e-005</b>	<b>1.8739</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0346	0.3333	0.3640	7.5000e-004		0.0163	0.0163		0.0155	0.0155	0.0000	65.1345	65.1345	0.0142	0.0000	65.4896
<b>Total</b>	<b>0.0346</b>	<b>0.3333</b>	<b>0.3640</b>	<b>7.5000e-004</b>		<b>0.0163</b>	<b>0.0163</b>		<b>0.0155</b>	<b>0.0155</b>	<b>0.0000</b>	<b>65.1345</b>	<b>65.1345</b>	<b>0.0142</b>	<b>0.0000</b>	<b>65.4896</b>

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**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	3.3500e-003	1.1300e-003	1.0000e-005	4.8000e-004	4.0000e-005	5.2000e-004	1.4000e-004	4.0000e-005	1.8000e-004	0.0000	1.3550	1.3550	4.0000e-005	2.0000e-004	1.4157
Worker	9.1000e-004	7.5000e-004	9.0900e-003	3.0000e-005	2.9200e-003	2.0000e-005	2.9400e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	2.3332	2.3332	6.0000e-005	6.0000e-005	2.3535
<b>Total</b>	<b>1.0300e-003</b>	<b>4.1000e-003</b>	<b>0.0102</b>	<b>4.0000e-005</b>	<b>3.4000e-003</b>	<b>6.0000e-005</b>	<b>3.4600e-003</b>	<b>9.2000e-004</b>	<b>5.0000e-005</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>3.6882</b>	<b>3.6882</b>	<b>1.0000e-004</b>	<b>2.6000e-004</b>	<b>3.7692</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0346	0.3333	0.3640	7.5000e-004		0.0163	0.0163		0.0155	0.0155	0.0000	65.1345	65.1345	0.0142	0.0000	65.4896
<b>Total</b>	<b>0.0346</b>	<b>0.3333</b>	<b>0.3640</b>	<b>7.5000e-004</b>		<b>0.0163</b>	<b>0.0163</b>		<b>0.0155</b>	<b>0.0155</b>	<b>0.0000</b>	<b>65.1345</b>	<b>65.1345</b>	<b>0.0142</b>	<b>0.0000</b>	<b>65.4896</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	3.3500e-003	1.1300e-003	1.0000e-005	4.8000e-004	4.0000e-005	5.2000e-004	1.4000e-004	4.0000e-005	1.8000e-004	0.0000	1.3550	1.3550	4.0000e-005	2.0000e-004	1.4157
Worker	9.1000e-004	7.5000e-004	9.0900e-003	3.0000e-005	2.9200e-003	2.0000e-005	2.9400e-003	7.8000e-004	1.0000e-005	7.9000e-004	0.0000	2.3332	2.3332	6.0000e-005	6.0000e-005	2.3535
<b>Total</b>	<b>1.0300e-003</b>	<b>4.1000e-003</b>	<b>0.0102</b>	<b>4.0000e-005</b>	<b>3.4000e-003</b>	<b>6.0000e-005</b>	<b>3.4600e-003</b>	<b>9.2000e-004</b>	<b>5.0000e-005</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>3.6882</b>	<b>3.6882</b>	<b>1.0000e-004</b>	<b>2.6000e-004</b>	<b>3.7692</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0788	0.7500	0.8893	1.8400e-003		0.0347	0.0347		0.0330	0.0330	0.0000	159.9987	159.9987	0.0347	0.0000	160.8660
<b>Total</b>	<b>0.0788</b>	<b>0.7500</b>	<b>0.8893</b>	<b>1.8400e-003</b>		<b>0.0347</b>	<b>0.0347</b>		<b>0.0330</b>	<b>0.0330</b>	<b>0.0000</b>	<b>159.9987</b>	<b>159.9987</b>	<b>0.0347</b>	<b>0.0000</b>	<b>160.8660</b>

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**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	6.5400e-003	2.5100e-003	3.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.4000e-004	5.0000e-005	3.8000e-004	0.0000	3.1920	3.1920	8.0000e-005	4.7000e-004	3.3346
Worker	2.0600e-003	1.6200e-003	0.0204	6.0000e-005	7.1800e-003	4.0000e-005	7.2100e-003	1.9100e-003	3.0000e-005	1.9400e-003	0.0000	5.5761	5.5761	1.3000e-004	1.4000e-004	5.6217
<b>Total</b>	<b>2.2500e-003</b>	<b>8.1600e-003</b>	<b>0.0229</b>	<b>9.0000e-005</b>	<b>8.3500e-003</b>	<b>9.0000e-005</b>	<b>8.4300e-003</b>	<b>2.2500e-003</b>	<b>8.0000e-005</b>	<b>2.3200e-003</b>	<b>0.0000</b>	<b>8.7681</b>	<b>8.7681</b>	<b>2.1000e-004</b>	<b>6.1000e-004</b>	<b>8.9563</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0788	0.7500	0.8893	1.8400e-003		0.0347	0.0347		0.0330	0.0330	0.0000	159.9985	159.9985	0.0347	0.0000	160.8658
<b>Total</b>	<b>0.0788</b>	<b>0.7500</b>	<b>0.8893</b>	<b>1.8400e-003</b>		<b>0.0347</b>	<b>0.0347</b>		<b>0.0330</b>	<b>0.0330</b>	<b>0.0000</b>	<b>159.9985</b>	<b>159.9985</b>	<b>0.0347</b>	<b>0.0000</b>	<b>160.8658</b>

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**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9000e-004	6.5400e-003	2.5100e-003	3.0000e-005	1.1700e-003	5.0000e-005	1.2200e-003	3.4000e-004	5.0000e-005	3.8000e-004	0.0000	3.1920	3.1920	8.0000e-005	4.7000e-004	3.3346
Worker	2.0600e-003	1.6200e-003	0.0204	6.0000e-005	7.1800e-003	4.0000e-005	7.2100e-003	1.9100e-003	3.0000e-005	1.9400e-003	0.0000	5.5761	5.5761	1.3000e-004	1.4000e-004	5.6217
<b>Total</b>	<b>2.2500e-003</b>	<b>8.1600e-003</b>	<b>0.0229</b>	<b>9.0000e-005</b>	<b>8.3500e-003</b>	<b>9.0000e-005</b>	<b>8.4300e-003</b>	<b>2.2500e-003</b>	<b>8.0000e-005</b>	<b>2.3200e-003</b>	<b>0.0000</b>	<b>8.7681</b>	<b>8.7681</b>	<b>2.1000e-004</b>	<b>6.1000e-004</b>	<b>8.9563</b>

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0220	0.1955	0.2369	3.9000e-004		9.9400e-003	9.9400e-003		9.4900e-003	9.4900e-003	0.0000	33.1076	33.1076	6.6600e-003	0.0000	33.2740
Paving	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>0.0220</b>	<b>0.1955</b>	<b>0.2369</b>	<b>3.9000e-004</b>		<b>9.9400e-003</b>	<b>9.9400e-003</b>		<b>9.4900e-003</b>	<b>9.4900e-003</b>	<b>0.0000</b>	<b>33.1076</b>	<b>33.1076</b>	<b>6.6600e-003</b>	<b>0.0000</b>	<b>33.2740</b>



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**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0100e-003	1.6700e-003	0.0202	6.0000e-005	6.5000e-003	3.0000e-005	6.5300e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	5.1849	5.1849	1.3000e-004	1.4000e-004	5.2301
<b>Total</b>	<b>2.0100e-003</b>	<b>1.6700e-003</b>	<b>0.0202</b>	<b>6.0000e-005</b>	<b>6.5000e-003</b>	<b>3.0000e-005</b>	<b>6.5300e-003</b>	<b>1.7300e-003</b>	<b>3.0000e-005</b>	<b>1.7600e-003</b>	<b>0.0000</b>	<b>5.1849</b>	<b>5.1849</b>	<b>1.3000e-004</b>	<b>1.4000e-004</b>	<b>5.2301</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0220	0.1955	0.2369	3.9000e-004		9.9400e-003	9.9400e-003		9.4900e-003	9.4900e-003	0.0000	33.1076	33.1076	6.6600e-003	0.0000	33.2740
Paving	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>0.0220</b>	<b>0.1955</b>	<b>0.2369</b>	<b>3.9000e-004</b>		<b>9.9400e-003</b>	<b>9.9400e-003</b>		<b>9.4900e-003</b>	<b>9.4900e-003</b>	<b>0.0000</b>	<b>33.1076</b>	<b>33.1076</b>	<b>6.6600e-003</b>	<b>0.0000</b>	<b>33.2740</b>

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**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0100e-003	1.6700e-003	0.0202	6.0000e-005	6.5000e-003	3.0000e-005	6.5300e-003	1.7300e-003	3.0000e-005	1.7600e-003	0.0000	5.1849	5.1849	1.3000e-004	1.4000e-004	5.2301
<b>Total</b>	<b>2.0100e-003</b>	<b>1.6700e-003</b>	<b>0.0202</b>	<b>6.0000e-005</b>	<b>6.5000e-003</b>	<b>3.0000e-005</b>	<b>6.5300e-003</b>	<b>1.7300e-003</b>	<b>3.0000e-005</b>	<b>1.7600e-003</b>	<b>0.0000</b>	<b>5.1849</b>	<b>5.1849</b>	<b>1.3000e-004</b>	<b>1.4000e-004</b>	<b>5.2301</b>

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0507	0.4459	0.5803	9.6000e-004		0.0216	0.0216		0.0206	0.0206	0.0000	81.2771	81.2771	0.0162	0.0000	81.6816
Paving	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>0.0507</b>	<b>0.4459</b>	<b>0.5803</b>	<b>9.6000e-004</b>		<b>0.0216</b>	<b>0.0216</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>81.2771</b>	<b>81.2771</b>	<b>0.0162</b>	<b>0.0000</b>	<b>81.6816</b>

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**3.6 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5700e-003	3.5900e-003	0.0454	1.3000e-004	0.0160	8.0000e-005	0.0160	4.2300e-003	7.0000e-005	4.3100e-003	0.0000	12.3913	12.3913	2.8000e-004	3.2000e-004	12.4928
<b>Total</b>	<b>4.5700e-003</b>	<b>3.5900e-003</b>	<b>0.0454</b>	<b>1.3000e-004</b>	<b>0.0160</b>	<b>8.0000e-005</b>	<b>0.0160</b>	<b>4.2300e-003</b>	<b>7.0000e-005</b>	<b>4.3100e-003</b>	<b>0.0000</b>	<b>12.3913</b>	<b>12.3913</b>	<b>2.8000e-004</b>	<b>3.2000e-004</b>	<b>12.4928</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0507	0.4459	0.5803	9.6000e-004		0.0216	0.0216		0.0206	0.0206	0.0000	81.2770	81.2770	0.0162	0.0000	81.6815
Paving	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>0.0507</b>	<b>0.4459</b>	<b>0.5803</b>	<b>9.6000e-004</b>		<b>0.0216</b>	<b>0.0216</b>		<b>0.0206</b>	<b>0.0206</b>	<b>0.0000</b>	<b>81.2770</b>	<b>81.2770</b>	<b>0.0162</b>	<b>0.0000</b>	<b>81.6815</b>

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**3.6 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5700e-003	3.5900e-003	0.0454	1.3000e-004	0.0160	8.0000e-005	0.0160	4.2300e-003	7.0000e-005	4.3100e-003	0.0000	12.3913	12.3913	2.8000e-004	3.2000e-004	12.4928
<b>Total</b>	<b>4.5700e-003</b>	<b>3.5900e-003</b>	<b>0.0454</b>	<b>1.3000e-004</b>	<b>0.0160</b>	<b>8.0000e-005</b>	<b>0.0160</b>	<b>4.2300e-003</b>	<b>7.0000e-005</b>	<b>4.3100e-003</b>	<b>0.0000</b>	<b>12.3913</b>	<b>12.3913</b>	<b>2.8000e-004</b>	<b>3.2000e-004</b>	<b>12.4928</b>

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0272					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-003	0.0310	0.0399	7.0000e-005		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	5.6172	5.6172	3.7000e-004	0.0000	5.6263
<b>Total</b>	<b>0.0317</b>	<b>0.0310</b>	<b>0.0399</b>	<b>7.0000e-005</b>		<b>1.8000e-003</b>	<b>1.8000e-003</b>		<b>1.8000e-003</b>	<b>1.8000e-003</b>	<b>0.0000</b>	<b>5.6172</b>	<b>5.6172</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>5.6263</b>

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**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.7000e-004	2.0200e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5185	0.5185	1.0000e-005	1.0000e-005	0.5230
<b>Total</b>	<b>2.0000e-004</b>	<b>1.7000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>6.5000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5185</b>	<b>0.5185</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.5230</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0272					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-003	0.0310	0.0399	7.0000e-005		1.8000e-003	1.8000e-003		1.8000e-003	1.8000e-003	0.0000	5.6172	5.6172	3.7000e-004	0.0000	5.6263
<b>Total</b>	<b>0.0317</b>	<b>0.0310</b>	<b>0.0399</b>	<b>7.0000e-005</b>		<b>1.8000e-003</b>	<b>1.8000e-003</b>		<b>1.8000e-003</b>	<b>1.8000e-003</b>	<b>0.0000</b>	<b>5.6172</b>	<b>5.6172</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>5.6263</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.7000e-004	2.0200e-003	1.0000e-005	6.5000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5185	0.5185	1.0000e-005	1.0000e-005	0.5230
<b>Total</b>	<b>2.0000e-004</b>	<b>1.7000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>6.5000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5185</b>	<b>0.5185</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.5230</b>

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0704	0.0978	1.6000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	13.7876	13.7876	8.2000e-004	0.0000	13.8082
<b>Total</b>	<b>0.0772</b>	<b>0.0704</b>	<b>0.0978</b>	<b>1.6000e-004</b>		<b>3.8200e-003</b>	<b>3.8200e-003</b>		<b>3.8200e-003</b>	<b>3.8200e-003</b>	<b>0.0000</b>	<b>13.7876</b>	<b>13.7876</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>13.8082</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.6000e-004	4.5400e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2391	1.2391	3.0000e-005	3.0000e-005	1.2493
<b>Total</b>	<b>4.6000e-004</b>	<b>3.6000e-004</b>	<b>4.5400e-003</b>	<b>1.0000e-005</b>	<b>1.5900e-003</b>	<b>1.0000e-005</b>	<b>1.6000e-003</b>	<b>4.2000e-004</b>	<b>1.0000e-005</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>1.2391</b>	<b>1.2391</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2493</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0104	0.0704	0.0978	1.6000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	13.7876	13.7876	8.2000e-004	0.0000	13.8082
<b>Total</b>	<b>0.0772</b>	<b>0.0704</b>	<b>0.0978</b>	<b>1.6000e-004</b>		<b>3.8200e-003</b>	<b>3.8200e-003</b>		<b>3.8200e-003</b>	<b>3.8200e-003</b>	<b>0.0000</b>	<b>13.7876</b>	<b>13.7876</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>13.8082</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.6000e-004	4.5400e-003	1.0000e-005	1.5900e-003	1.0000e-005	1.6000e-003	4.2000e-004	1.0000e-005	4.3000e-004	0.0000	1.2391	1.2391	3.0000e-005	3.0000e-005	1.2493
<b>Total</b>	<b>4.6000e-004</b>	<b>3.6000e-004</b>	<b>4.5400e-003</b>	<b>1.0000e-005</b>	<b>1.5900e-003</b>	<b>1.0000e-005</b>	<b>1.6000e-003</b>	<b>4.2000e-004</b>	<b>1.0000e-005</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>1.2391</b>	<b>1.2391</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.2493</b>

**3.8 CS Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
<b>Total</b>	<b>0.0667</b>	<b>0.1694</b>	<b>0.2355</b>	<b>3.9000e-004</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>	<b>0.0000</b>	<b>33.1923</b>	<b>33.1923</b>	<b>1.9900e-003</b>	<b>0.0000</b>	<b>33.2419</b>



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**3.8 CS Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	8.6000e-004	0.0109	3.0000e-005	3.8400e-003	2.0000e-005	3.8600e-003	1.0200e-003	2.0000e-005	1.0400e-003	0.0000	2.9831	2.9831	7.0000e-005	8.0000e-005	3.0075
<b>Total</b>	<b>1.1000e-003</b>	<b>8.6000e-004</b>	<b>0.0109</b>	<b>3.0000e-005</b>	<b>3.8400e-003</b>	<b>2.0000e-005</b>	<b>3.8600e-003</b>	<b>1.0200e-003</b>	<b>2.0000e-005</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>2.9831</b>	<b>2.9831</b>	<b>7.0000e-005</b>	<b>8.0000e-005</b>	<b>3.0075</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
<b>Total</b>	<b>0.0667</b>	<b>0.1694</b>	<b>0.2354</b>	<b>3.9000e-004</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>		<b>9.2100e-003</b>	<b>9.2100e-003</b>	<b>0.0000</b>	<b>33.1923</b>	<b>33.1923</b>	<b>1.9900e-003</b>	<b>0.0000</b>	<b>33.2419</b>

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**3.8 CS Architectural Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-003	8.6000e-004	0.0109	3.0000e-005	3.8400e-003	2.0000e-005	3.8600e-003	1.0200e-003	2.0000e-005	1.0400e-003	0.0000	2.9831	2.9831	7.0000e-005	8.0000e-005	3.0075
<b>Total</b>	<b>1.1000e-003</b>	<b>8.6000e-004</b>	<b>0.0109</b>	<b>3.0000e-005</b>	<b>3.8400e-003</b>	<b>2.0000e-005</b>	<b>3.8600e-003</b>	<b>1.0200e-003</b>	<b>2.0000e-005</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>2.9831</b>	<b>2.9831</b>	<b>7.0000e-005</b>	<b>8.0000e-005</b>	<b>3.0075</b>

**3.8 CS Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0421					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
<b>Total</b>	<b>0.0658</b>	<b>0.1597</b>	<b>0.2371</b>	<b>3.9000e-004</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>	<b>0.0000</b>	<b>33.4476</b>	<b>33.4476</b>	<b>1.8800e-003</b>	<b>0.0000</b>	<b>33.4947</b>

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**3.8 CS Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	7.7000e-004	0.0102	3.0000e-005	3.8700e-003	2.0000e-005	3.8900e-003	1.0300e-003	2.0000e-005	1.0400e-003	0.0000	2.9421	2.9421	6.0000e-005	7.0000e-005	2.9648
<b>Total</b>	<b>1.0300e-003</b>	<b>7.7000e-004</b>	<b>0.0102</b>	<b>3.0000e-005</b>	<b>3.8700e-003</b>	<b>2.0000e-005</b>	<b>3.8900e-003</b>	<b>1.0300e-003</b>	<b>2.0000e-005</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>2.9421</b>	<b>2.9421</b>	<b>6.0000e-005</b>	<b>7.0000e-005</b>	<b>2.9648</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0421					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
<b>Total</b>	<b>0.0658</b>	<b>0.1597</b>	<b>0.2371</b>	<b>3.9000e-004</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>		<b>7.9800e-003</b>	<b>7.9800e-003</b>	<b>0.0000</b>	<b>33.4476</b>	<b>33.4476</b>	<b>1.8800e-003</b>	<b>0.0000</b>	<b>33.4947</b>

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**3.8 CS Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	7.7000e-004	0.0102	3.0000e-005	3.8700e-003	2.0000e-005	3.8900e-003	1.0300e-003	2.0000e-005	1.0400e-003	0.0000	2.9421	2.9421	6.0000e-005	7.0000e-005	2.9648
<b>Total</b>	<b>1.0300e-003</b>	<b>7.7000e-004</b>	<b>0.0102</b>	<b>3.0000e-005</b>	<b>3.8700e-003</b>	<b>2.0000e-005</b>	<b>3.8900e-003</b>	<b>1.0300e-003</b>	<b>2.0000e-005</b>	<b>1.0400e-003</b>	<b>0.0000</b>	<b>2.9421</b>	<b>2.9421</b>	<b>6.0000e-005</b>	<b>7.0000e-005</b>	<b>2.9648</b>

**3.8 CS Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0103					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4700e-003	0.0367	0.0579	1.0000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	8.1704	8.1704	4.5000e-004	0.0000	8.1816
<b>Total</b>	<b>0.0158</b>	<b>0.0367</b>	<b>0.0579</b>	<b>1.0000e-004</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>8.1704</b>	<b>8.1704</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>8.1816</b>

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**3.8 CS Architectural Coating - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.7000e-004	2.3200e-003	1.0000e-005	9.4000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7011	0.7011	1.0000e-005	2.0000e-005	0.7062
<b>Total</b>	<b>2.4000e-004</b>	<b>1.7000e-004</b>	<b>2.3200e-003</b>	<b>1.0000e-005</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>9.5000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.7011</b>	<b>0.7011</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7062</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0103					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4700e-003	0.0367	0.0579	1.0000e-004		1.6500e-003	1.6500e-003		1.6500e-003	1.6500e-003	0.0000	8.1704	8.1704	4.5000e-004	0.0000	8.1815
<b>Total</b>	<b>0.0158</b>	<b>0.0367</b>	<b>0.0579</b>	<b>1.0000e-004</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>		<b>1.6500e-003</b>	<b>1.6500e-003</b>	<b>0.0000</b>	<b>8.1704</b>	<b>8.1704</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>8.1815</b>

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**3.8 CS Architectural Coating - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.7000e-004	2.3200e-003	1.0000e-005	9.4000e-004	0.0000	9.5000e-004	2.5000e-004	0.0000	2.5000e-004	0.0000	0.7011	0.7011	1.0000e-005	2.0000e-005	0.7062
<b>Total</b>	<b>2.4000e-004</b>	<b>1.7000e-004</b>	<b>2.3200e-003</b>	<b>1.0000e-005</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>9.5000e-004</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.7011</b>	<b>0.7011</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7062</b>

**3.9 CS Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.8200e-003	0.0000	4.8200e-003	7.3000e-004	0.0000	7.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0288	0.2572	0.3290	5.3000e-004		0.0126	0.0126		0.0120	0.0120	0.0000	46.3608	46.3608	8.4300e-003	0.0000	46.5717
<b>Total</b>	<b>0.0288</b>	<b>0.2572</b>	<b>0.3290</b>	<b>5.3000e-004</b>	<b>4.8200e-003</b>	<b>0.0126</b>	<b>0.0174</b>	<b>7.3000e-004</b>	<b>0.0120</b>	<b>0.0127</b>	<b>0.0000</b>	<b>46.3608</b>	<b>46.3608</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>46.5717</b>

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**3.9 CS Demolition - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	2.6200e-003	7.6000e-004	1.0000e-005	3.9000e-004	3.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.2503	1.2503	5.0000e-005	2.0000e-004	1.3107
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8800e-003	1.4800e-003	0.0187	5.0000e-005	6.5700e-003	3.0000e-005	6.6000e-003	1.7400e-003	3.0000e-005	1.7700e-003	0.0000	5.1057	5.1057	1.2000e-004	1.3000e-004	5.1475
<b>Total</b>	<b>1.9300e-003</b>	<b>4.1000e-003</b>	<b>0.0195</b>	<b>6.0000e-005</b>	<b>6.9600e-003</b>	<b>6.0000e-005</b>	<b>7.0100e-003</b>	<b>1.8500e-003</b>	<b>5.0000e-005</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>6.3560</b>	<b>6.3560</b>	<b>1.7000e-004</b>	<b>3.3000e-004</b>	<b>6.4582</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.1700e-003	0.0000	2.1700e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0288	0.2572	0.3290	5.3000e-004		0.0126	0.0126		0.0120	0.0120	0.0000	46.3608	46.3608	8.4300e-003	0.0000	46.5716
<b>Total</b>	<b>0.0288</b>	<b>0.2572</b>	<b>0.3290</b>	<b>5.3000e-004</b>	<b>2.1700e-003</b>	<b>0.0126</b>	<b>0.0147</b>	<b>3.3000e-004</b>	<b>0.0120</b>	<b>0.0123</b>	<b>0.0000</b>	<b>46.3608</b>	<b>46.3608</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>46.5716</b>

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**3.9 CS Demolition - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	2.6200e-003	7.6000e-004	1.0000e-005	3.9000e-004	3.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	1.2503	1.2503	5.0000e-005	2.0000e-004	1.3107
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8800e-003	1.4800e-003	0.0187	5.0000e-005	6.5700e-003	3.0000e-005	6.6000e-003	1.7400e-003	3.0000e-005	1.7700e-003	0.0000	5.1057	5.1057	1.2000e-004	1.3000e-004	5.1475
<b>Total</b>	<b>1.9300e-003</b>	<b>4.1000e-003</b>	<b>0.0195</b>	<b>6.0000e-005</b>	<b>6.9600e-003</b>	<b>6.0000e-005</b>	<b>7.0100e-003</b>	<b>1.8500e-003</b>	<b>5.0000e-005</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>6.3560</b>	<b>6.3560</b>	<b>1.7000e-004</b>	<b>3.3000e-004</b>	<b>6.4582</b>

**3.10 CS Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1944	0.0000	0.1944	0.1068	0.0000	0.1068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0401	0.4377	0.2387	6.1000e-004		0.0181	0.0181		0.0166	0.0166	0.0000	53.2383	53.2383	0.0172	0.0000	53.6688
<b>Total</b>	<b>0.0401</b>	<b>0.4377</b>	<b>0.2387</b>	<b>6.1000e-004</b>	<b>0.1944</b>	<b>0.0181</b>	<b>0.2124</b>	<b>0.1068</b>	<b>0.0166</b>	<b>0.1234</b>	<b>0.0000</b>	<b>53.2383</b>	<b>53.2383</b>	<b>0.0172</b>	<b>0.0000</b>	<b>53.6688</b>



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**3.10 CS Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4600e-003	1.1400e-003	0.0145	4.0000e-005	5.0800e-003	3.0000e-005	5.1000e-003	1.3500e-003	2.0000e-005	1.3700e-003	0.0000	3.9469	3.9469	9.0000e-005	1.0000e-004	3.9792
<b>Total</b>	<b>1.4600e-003</b>	<b>1.1400e-003</b>	<b>0.0145</b>	<b>4.0000e-005</b>	<b>5.0800e-003</b>	<b>3.0000e-005</b>	<b>5.1000e-003</b>	<b>1.3500e-003</b>	<b>2.0000e-005</b>	<b>1.3700e-003</b>	<b>0.0000</b>	<b>3.9469</b>	<b>3.9469</b>	<b>9.0000e-005</b>	<b>1.0000e-004</b>	<b>3.9792</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0875	0.0000	0.0875	0.0481	0.0000	0.0481	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0401	0.4377	0.2387	6.1000e-004		0.0181	0.0181		0.0166	0.0166	0.0000	53.2382	53.2382	0.0172	0.0000	53.6687
<b>Total</b>	<b>0.0401</b>	<b>0.4377</b>	<b>0.2387</b>	<b>6.1000e-004</b>	<b>0.0875</b>	<b>0.0181</b>	<b>0.1055</b>	<b>0.0481</b>	<b>0.0166</b>	<b>0.0647</b>	<b>0.0000</b>	<b>53.2382</b>	<b>53.2382</b>	<b>0.0172</b>	<b>0.0000</b>	<b>53.6687</b>

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**3.10 CS Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.4600e-003	1.1400e-003	0.0145	4.0000e-005	5.0800e-003	3.0000e-005	5.1000e-003	1.3500e-003	2.0000e-005	1.3700e-003	0.0000	3.9469	3.9469	9.0000e-005	1.0000e-004	3.9792
<b>Total</b>	<b>1.4600e-003</b>	<b>1.1400e-003</b>	<b>0.0145</b>	<b>4.0000e-005</b>	<b>5.0800e-003</b>	<b>3.0000e-005</b>	<b>5.1000e-003</b>	<b>1.3500e-003</b>	<b>2.0000e-005</b>	<b>1.3700e-003</b>	<b>0.0000</b>	<b>3.9469</b>	<b>3.9469</b>	<b>9.0000e-005</b>	<b>1.0000e-004</b>	<b>3.9792</b>

**3.11 CS Trenching - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0236	0.1838	0.4277	6.8000e-004		9.0500e-003	9.0500e-003		8.3300e-003	8.3300e-003	0.0000	59.4521	59.4521	0.0192	0.0000	59.9328
<b>Total</b>	<b>0.0236</b>	<b>0.1838</b>	<b>0.4277</b>	<b>6.8000e-004</b>		<b>9.0500e-003</b>	<b>9.0500e-003</b>		<b>8.3300e-003</b>	<b>8.3300e-003</b>	<b>0.0000</b>	<b>59.4521</b>	<b>59.4521</b>	<b>0.0192</b>	<b>0.0000</b>	<b>59.9328</b>

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**3.11 CS Trenching - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5500e-003	1.1600e-003	0.0154	5.0000e-005	5.8000e-003	3.0000e-005	5.8300e-003	1.5400e-003	3.0000e-005	1.5700e-003	0.0000	4.4131	4.4131	9.0000e-005	1.1000e-004	4.4472
<b>Total</b>	<b>1.5500e-003</b>	<b>1.1600e-003</b>	<b>0.0154</b>	<b>5.0000e-005</b>	<b>5.8000e-003</b>	<b>3.0000e-005</b>	<b>5.8300e-003</b>	<b>1.5400e-003</b>	<b>3.0000e-005</b>	<b>1.5700e-003</b>	<b>0.0000</b>	<b>4.4131</b>	<b>4.4131</b>	<b>9.0000e-005</b>	<b>1.1000e-004</b>	<b>4.4472</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0236	0.1838	0.4277	6.8000e-004		9.0500e-003	9.0500e-003		8.3300e-003	8.3300e-003	0.0000	59.4521	59.4521	0.0192	0.0000	59.9328
<b>Total</b>	<b>0.0236</b>	<b>0.1838</b>	<b>0.4277</b>	<b>6.8000e-004</b>		<b>9.0500e-003</b>	<b>9.0500e-003</b>		<b>8.3300e-003</b>	<b>8.3300e-003</b>	<b>0.0000</b>	<b>59.4521</b>	<b>59.4521</b>	<b>0.0192</b>	<b>0.0000</b>	<b>59.9328</b>

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**3.11 CS Trenching - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5500e-003	1.1600e-003	0.0154	5.0000e-005	5.8000e-003	3.0000e-005	5.8300e-003	1.5400e-003	3.0000e-005	1.5700e-003	0.0000	4.4131	4.4131	9.0000e-005	1.1000e-004	4.4472
<b>Total</b>	<b>1.5500e-003</b>	<b>1.1600e-003</b>	<b>0.0154</b>	<b>5.0000e-005</b>	<b>5.8000e-003</b>	<b>3.0000e-005</b>	<b>5.8300e-003</b>	<b>1.5400e-003</b>	<b>3.0000e-005</b>	<b>1.5700e-003</b>	<b>0.0000</b>	<b>4.4131</b>	<b>4.4131</b>	<b>9.0000e-005</b>	<b>1.1000e-004</b>	<b>4.4472</b>

**3.11 CS Trenching - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.3500e-003	0.0391	0.1043	1.7000e-004		1.9200e-003	1.9200e-003		1.7600e-003	1.7600e-003	0.0000	14.5248	14.5248	4.7000e-003	0.0000	14.6422
<b>Total</b>	<b>5.3500e-003</b>	<b>0.0391</b>	<b>0.1043</b>	<b>1.7000e-004</b>		<b>1.9200e-003</b>	<b>1.9200e-003</b>		<b>1.7600e-003</b>	<b>1.7600e-003</b>	<b>0.0000</b>	<b>14.5248</b>	<b>14.5248</b>	<b>4.7000e-003</b>	<b>0.0000</b>	<b>14.6422</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.11 CS Trenching - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.5000e-004	3.4800e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0516	1.0516	2.0000e-005	2.0000e-005	1.0593
<b>Total</b>	<b>3.5000e-004</b>	<b>2.5000e-004</b>	<b>3.4800e-003</b>	<b>1.0000e-005</b>	<b>1.4200e-003</b>	<b>1.0000e-005</b>	<b>1.4200e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.0516</b>	<b>1.0516</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0593</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.3500e-003	0.0391	0.1043	1.7000e-004		1.9200e-003	1.9200e-003		1.7600e-003	1.7600e-003	0.0000	14.5248	14.5248	4.7000e-003	0.0000	14.6422
<b>Total</b>	<b>5.3500e-003</b>	<b>0.0391</b>	<b>0.1043</b>	<b>1.7000e-004</b>		<b>1.9200e-003</b>	<b>1.9200e-003</b>		<b>1.7600e-003</b>	<b>1.7600e-003</b>	<b>0.0000</b>	<b>14.5248</b>	<b>14.5248</b>	<b>4.7000e-003</b>	<b>0.0000</b>	<b>14.6422</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.11 CS Trenching - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.5000e-004	3.4800e-003	1.0000e-005	1.4200e-003	1.0000e-005	1.4200e-003	3.8000e-004	1.0000e-005	3.8000e-004	0.0000	1.0516	1.0516	2.0000e-005	2.0000e-005	1.0593
<b>Total</b>	<b>3.5000e-004</b>	<b>2.5000e-004</b>	<b>3.4800e-003</b>	<b>1.0000e-005</b>	<b>1.4200e-003</b>	<b>1.0000e-005</b>	<b>1.4200e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>1.0516</b>	<b>1.0516</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0593</b>

**3.12 CS Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0997	1.0121	1.0421	1.8700e-003		0.0465	0.0465		0.0428	0.0428	0.0000	164.5222	164.5222	0.0532	0.0000	165.8525
<b>Total</b>	<b>0.0997</b>	<b>1.0121</b>	<b>1.0421</b>	<b>1.8700e-003</b>		<b>0.0465</b>	<b>0.0465</b>		<b>0.0428</b>	<b>0.0428</b>	<b>0.0000</b>	<b>164.5222</b>	<b>164.5222</b>	<b>0.0532</b>	<b>0.0000</b>	<b>165.8525</b>

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**3.12 CS Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5000e-004	0.0160	5.9900e-003	8.0000e-005	2.8400e-003	1.2000e-004	2.9500e-003	8.2000e-004	1.1000e-004	9.3000e-004	0.0000	7.6372	7.6372	2.0000e-004	1.1300e-003	7.9781
Worker	4.6500e-003	3.4700e-003	0.0461	1.4000e-004	0.0174	8.0000e-005	0.0175	4.6200e-003	8.0000e-005	4.7000e-003	0.0000	13.2394	13.2394	2.8000e-004	3.2000e-004	13.3416
<b>Total</b>	<b>5.1000e-003</b>	<b>0.0195</b>	<b>0.0521</b>	<b>2.2000e-004</b>	<b>0.0203</b>	<b>2.0000e-004</b>	<b>0.0204</b>	<b>5.4400e-003</b>	<b>1.9000e-004</b>	<b>5.6300e-003</b>	<b>0.0000</b>	<b>20.8766</b>	<b>20.8766</b>	<b>4.8000e-004</b>	<b>1.4500e-003</b>	<b>21.3197</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0997	1.0121	1.0421	1.8700e-003		0.0465	0.0465		0.0428	0.0428	0.0000	164.5220	164.5220	0.0532	0.0000	165.8523
<b>Total</b>	<b>0.0997</b>	<b>1.0121</b>	<b>1.0421</b>	<b>1.8700e-003</b>		<b>0.0465</b>	<b>0.0465</b>		<b>0.0428</b>	<b>0.0428</b>	<b>0.0000</b>	<b>164.5220</b>	<b>164.5220</b>	<b>0.0532</b>	<b>0.0000</b>	<b>165.8523</b>

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**3.12 CS Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.5000e-004	0.0160	5.9900e-003	8.0000e-005	2.8400e-003	1.2000e-004	2.9500e-003	8.2000e-004	1.1000e-004	9.3000e-004	0.0000	7.6372	7.6372	2.0000e-004	1.1300e-003	7.9781
Worker	4.6500e-003	3.4700e-003	0.0461	1.4000e-004	0.0174	8.0000e-005	0.0175	4.6200e-003	8.0000e-005	4.7000e-003	0.0000	13.2394	13.2394	2.8000e-004	3.2000e-004	13.3416
<b>Total</b>	<b>5.1000e-003</b>	<b>0.0195</b>	<b>0.0521</b>	<b>2.2000e-004</b>	<b>0.0203</b>	<b>2.0000e-004</b>	<b>0.0204</b>	<b>5.4400e-003</b>	<b>1.9000e-004</b>	<b>5.6300e-003</b>	<b>0.0000</b>	<b>20.8766</b>	<b>20.8766</b>	<b>4.8000e-004</b>	<b>1.4500e-003</b>	<b>21.3197</b>

**3.12 CS Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0226	0.2261	0.2527	4.6000e-004		9.8700e-003	9.8700e-003		9.0800e-003	9.0800e-003	0.0000	40.2060	40.2060	0.0130	0.0000	40.5311
<b>Total</b>	<b>0.0226</b>	<b>0.2261</b>	<b>0.2527</b>	<b>4.6000e-004</b>		<b>9.8700e-003</b>	<b>9.8700e-003</b>		<b>9.0800e-003</b>	<b>9.0800e-003</b>	<b>0.0000</b>	<b>40.2060</b>	<b>40.2060</b>	<b>0.0130</b>	<b>0.0000</b>	<b>40.5311</b>



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**3.12 CS Building Construction - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.8900e-003	1.4400e-003	2.0000e-005	6.9000e-004	3.0000e-005	7.2000e-004	2.0000e-004	3.0000e-005	2.3000e-004	0.0000	1.8293	1.8293	5.0000e-005	2.7000e-004	1.9109
Worker	1.0600e-003	7.5000e-004	0.0105	3.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.1548	3.1548	6.0000e-005	7.0000e-005	3.1779
<b>Total</b>	<b>1.1700e-003</b>	<b>4.6400e-003</b>	<b>0.0119</b>	<b>5.0000e-005</b>	<b>4.9400e-003</b>	<b>5.0000e-005</b>	<b>4.9900e-003</b>	<b>1.3300e-003</b>	<b>5.0000e-005</b>	<b>1.3800e-003</b>	<b>0.0000</b>	<b>4.9841</b>	<b>4.9841</b>	<b>1.1000e-004</b>	<b>3.4000e-004</b>	<b>5.0888</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0226	0.2261	0.2527	4.6000e-004		9.8700e-003	9.8700e-003		9.0800e-003	9.0800e-003	0.0000	40.2059	40.2059	0.0130	0.0000	40.5310
<b>Total</b>	<b>0.0226</b>	<b>0.2261</b>	<b>0.2527</b>	<b>4.6000e-004</b>		<b>9.8700e-003</b>	<b>9.8700e-003</b>		<b>9.0800e-003</b>	<b>9.0800e-003</b>	<b>0.0000</b>	<b>40.2059</b>	<b>40.2059</b>	<b>0.0130</b>	<b>0.0000</b>	<b>40.5310</b>

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**3.12 CS Building Construction - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1000e-004	3.8900e-003	1.4400e-003	2.0000e-005	6.9000e-004	3.0000e-005	7.2000e-004	2.0000e-004	3.0000e-005	2.3000e-004	0.0000	1.8293	1.8293	5.0000e-005	2.7000e-004	1.9109
Worker	1.0600e-003	7.5000e-004	0.0105	3.0000e-005	4.2500e-003	2.0000e-005	4.2700e-003	1.1300e-003	2.0000e-005	1.1500e-003	0.0000	3.1548	3.1548	6.0000e-005	7.0000e-005	3.1779
<b>Total</b>	<b>1.1700e-003</b>	<b>4.6400e-003</b>	<b>0.0119</b>	<b>5.0000e-005</b>	<b>4.9400e-003</b>	<b>5.0000e-005</b>	<b>4.9900e-003</b>	<b>1.3300e-003</b>	<b>5.0000e-005</b>	<b>1.3800e-003</b>	<b>0.0000</b>	<b>4.9841</b>	<b>4.9841</b>	<b>1.1000e-004</b>	<b>3.4000e-004</b>	<b>5.0888</b>

**3.13 CS Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0773	0.6851	0.9211	1.4800e-003		0.0318	0.0318		0.0297	0.0297	0.0000	123.1479	123.1479	0.0359	0.0000	124.0448
Paving	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>0.0773</b>	<b>0.6851</b>	<b>0.9211</b>	<b>1.4800e-003</b>		<b>0.0318</b>	<b>0.0318</b>		<b>0.0297</b>	<b>0.0297</b>	<b>0.0000</b>	<b>123.1479</b>	<b>123.1479</b>	<b>0.0359</b>	<b>0.0000</b>	<b>124.0448</b>

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**3.13 CS Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2900e-003	6.9400e-003	0.0922	2.8000e-004	0.0348	1.6000e-004	0.0350	9.2500e-003	1.5000e-004	9.4000e-003	0.0000	26.4787	26.4787	5.6000e-004	6.4000e-004	26.6832
<b>Total</b>	<b>9.2900e-003</b>	<b>6.9400e-003</b>	<b>0.0922</b>	<b>2.8000e-004</b>	<b>0.0348</b>	<b>1.6000e-004</b>	<b>0.0350</b>	<b>9.2500e-003</b>	<b>1.5000e-004</b>	<b>9.4000e-003</b>	<b>0.0000</b>	<b>26.4787</b>	<b>26.4787</b>	<b>5.6000e-004</b>	<b>6.4000e-004</b>	<b>26.6832</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0773	0.6851	0.9211	1.4800e-003		0.0318	0.0318		0.0297	0.0297	0.0000	123.1478	123.1478	0.0359	0.0000	124.0446
Paving	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>0.0773</b>	<b>0.6851</b>	<b>0.9211</b>	<b>1.4800e-003</b>		<b>0.0318</b>	<b>0.0318</b>		<b>0.0297</b>	<b>0.0297</b>	<b>0.0000</b>	<b>123.1478</b>	<b>123.1478</b>	<b>0.0359</b>	<b>0.0000</b>	<b>124.0446</b>

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**3.13 CS Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.2900e-003	6.9400e-003	0.0922	2.8000e-004	0.0348	1.6000e-004	0.0350	9.2500e-003	1.5000e-004	9.4000e-003	0.0000	26.4787	26.4787	5.6000e-004	6.4000e-004	26.6832
<b>Total</b>	<b>9.2900e-003</b>	<b>6.9400e-003</b>	<b>0.0922</b>	<b>2.8000e-004</b>	<b>0.0348</b>	<b>1.6000e-004</b>	<b>0.0350</b>	<b>9.2500e-003</b>	<b>1.5000e-004</b>	<b>9.4000e-003</b>	<b>0.0000</b>	<b>26.4787</b>	<b>26.4787</b>	<b>5.6000e-004</b>	<b>6.4000e-004</b>	<b>26.6832</b>

**3.13 CS Paving - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0180	0.1575	0.2248	3.6000e-004		7.0000e-003	7.0000e-003		6.5500e-003	6.5500e-003	0.0000	30.0829	30.0829	8.7600e-003	0.0000	30.3019
Paving	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>0.0180</b>	<b>0.1575</b>	<b>0.2248</b>	<b>3.6000e-004</b>		<b>7.0000e-003</b>	<b>7.0000e-003</b>		<b>6.5500e-003</b>	<b>6.5500e-003</b>	<b>0.0000</b>	<b>30.0829</b>	<b>30.0829</b>	<b>8.7600e-003</b>	<b>0.0000</b>	<b>30.3019</b>

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**3.13 CS Paving - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.1200e-003	1.5100e-003	0.0209	7.0000e-005	8.5000e-003	4.0000e-005	8.5400e-003	2.2600e-003	4.0000e-005	2.2900e-003	0.0000	6.3096	6.3096	1.2000e-004	1.5000e-004	6.3559
<b>Total</b>	<b>2.1200e-003</b>	<b>1.5100e-003</b>	<b>0.0209</b>	<b>7.0000e-005</b>	<b>8.5000e-003</b>	<b>4.0000e-005</b>	<b>8.5400e-003</b>	<b>2.2600e-003</b>	<b>4.0000e-005</b>	<b>2.2900e-003</b>	<b>0.0000</b>	<b>6.3096</b>	<b>6.3096</b>	<b>1.2000e-004</b>	<b>1.5000e-004</b>	<b>6.3559</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0180	0.1575	0.2248	3.6000e-004		7.0000e-003	7.0000e-003		6.5500e-003	6.5500e-003	0.0000	30.0828	30.0828	8.7600e-003	0.0000	30.3019
Paving	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>0.0180</b>	<b>0.1575</b>	<b>0.2248</b>	<b>3.6000e-004</b>		<b>7.0000e-003</b>	<b>7.0000e-003</b>		<b>6.5500e-003</b>	<b>6.5500e-003</b>	<b>0.0000</b>	<b>30.0828</b>	<b>30.0828</b>	<b>8.7600e-003</b>	<b>0.0000</b>	<b>30.3019</b>

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**3.13 CS Paving - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	2.1200e-003	1.5100e-003	0.0209	7.0000e-005	8.5000e-003	4.0000e-005	8.5400e-003	2.2600e-003	4.0000e-005	2.2900e-003	0.0000	6.3096	6.3096	1.2000e-004	1.5000e-004	6.3559	
<b>Total</b>	<b>2.1200e-003</b>	<b>1.5100e-003</b>	<b>0.0209</b>	<b>7.0000e-005</b>	<b>8.5000e-003</b>	<b>4.0000e-005</b>	<b>8.5400e-003</b>	<b>2.2600e-003</b>	<b>4.0000e-005</b>	<b>2.2900e-003</b>	<b>0.0000</b>	<b>6.3096</b>	<b>6.3096</b>	<b>1.2000e-004</b>	<b>1.5000e-004</b>	<b>6.3559</b>	

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0829	0.1232	0.8137	1.7900e-003	0.1928	1.4500e-003	0.1943	0.0515	1.3500e-003	0.0529	0.0000	169.7709	169.7709	9.9300e-003	8.6200e-003	172.5884
Unmitigated	0.0829	0.1232	0.8137	1.7900e-003	0.1928	1.4500e-003	0.1943	0.0515	1.3500e-003	0.0529	0.0000	169.7709	169.7709	9.9300e-003	8.6200e-003	172.5884

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	183.92	183.92	183.92	511,429	511,429
Total	183.92	183.92	183.92	511,429	511,429

**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
Hotel	18.50	10.10	7.90	19.40	61.60	19.00	58	38	4

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.543085	0.056300	0.173085	0.134258	0.025645	0.007009	0.011926	0.017481	0.000552	0.000248	0.024848	0.000956	0.004606







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5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	MT/yr			
Hotel	354235	112.8669	4.6600e-003	9.6000e-004
Total	112.8669	4.6600e-003	9.6000e-004	113.2706

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	MT/yr			
Hotel	354235	112.8669	4.6600e-003	9.6000e-004
Total	112.8669	4.6600e-003	9.6000e-004	113.2706

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0828	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004
Unmitigated	0.0828	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.4100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004
<b>Total</b>	<b>0.0828</b>	<b>0.0000</b>	<b>2.8000e-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>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.8000e-004</b>

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**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.4100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	2.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000	0.0000	5.8000e-004
<b>Total</b>	<b>0.0828</b>	<b>0.0000</b>	<b>2.8000e-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>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.8000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.7119	0.0183	4.5000e-004	3.3035
Unmitigated	2.7119	0.0183	4.5000e-004	3.3035

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	0.558069 / 0.0620077	2.7119	0.0183	4.5000e-004	3.3035
<b>Total</b>		<b>2.7119</b>	<b>0.0183</b>	<b>4.5000e-004</b>	<b>3.3035</b>

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**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	0.558069 / 0.0620077	2.7119	0.0183	4.5000e-004	3.3035
<b>Total</b>		<b>2.7119</b>	<b>0.0183</b>	<b>4.5000e-004</b>	<b>3.3035</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.4440	0.1444	0.0000	6.0549
Unmitigated	2.4440	0.1444	0.0000	6.0549

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**8.2 Waste by Land Use**

Unmitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e
tons	MT/yr			
Hotel	12.04	2.4440	0.1444	6.0549
Total	2.4440	0.1444	0.0000	6.0549

Mitigated

Waste Disposed	Total CO2	CH4	N2O	CO2e
tons	MT/yr			
Hotel	12.04	2.4440	0.1444	6.0549
Total	2.4440	0.1444	0.0000	6.0549

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**10.0 Stationary Equipment**

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**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**

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