

## **CalEEMod Output**

9818 Scripps Health Headquarters - San Diego County APCD Air District, Winter

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

**9818 Scripps Health Headquarters  
San Diego County APCD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	157.06	1000sqft	0.61	157,063.00	0
Parking Lot	122.00	Space	2.49	48,800.00	0
Unenclosed Parking with Elevator	406.00	Space	0.69	131,509.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2024
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	539.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use - 131,200 sf office building + 25,863 sf basement  
406 space, 131,509 sf parking structure  
122 surface and below grade parking spaces

Demolition -

Grading - 13,600 cy export

Architectural Coating - SDAPCD Rule 67.0.1

Vehicle Trips - 1,312 trips (8.35 trips/ksf)

Weekend trips adjusted proportionately

Area Coating -

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Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblGrading	MaterialExported	0.00	13,600.00
tblLandUse	LandUseSquareFeet	157,060.00	157,063.00
tblLandUse	LandUseSquareFeet	162,400.00	131,509.00
tblLandUse	LotAcreage	3.61	0.61
tblLandUse	LotAcreage	1.10	2.49
tblLandUse	LotAcreage	3.65	0.69
tblVehicleTrips	ST_TR	2.21	1.89
tblVehicleTrips	SU_TR	0.70	0.60
tblVehicleTrips	WD_TR	9.74	8.35

**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	3.2270	56.6953	24.1584	0.1641	19.8049	1.6134	21.4183	10.1417	1.4843	11.6260	0.0000	17,666.26 39	17,666.26 39	1.6369	2.3362	18,403.38 68
2023	43.4955	17.0825	20.0005	0.0469	1.4076	0.7197	2.1273	0.3818	0.6774	1.0591	0.0000	4,657.242 2	4,657.242 2	0.6712	0.2014	4,734.029 6
<b>Maximum</b>	<b>43.4955</b>	<b>56.6953</b>	<b>24.1584</b>	<b>0.1641</b>	<b>19.8049</b>	<b>1.6134</b>	<b>21.4183</b>	<b>10.1417</b>	<b>1.4843</b>	<b>11.6260</b>	<b>0.0000</b>	<b>17,666.26 39</b>	<b>17,666.26 39</b>	<b>1.6369</b>	<b>2.3362</b>	<b>18,403.38 68</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2270	56.6953	24.1584	0.1641	19.8049	1.6134	21.4183	10.1417	1.4843	11.6260	0.0000	17,666.26 39	17,666.26 39	1.6369	2.3362	18,403.38 68
2023	43.4955	17.0825	20.0005	0.0469	1.4076	0.7197	2.1273	0.3818	0.6774	1.0591	0.0000	4,657.242 2	4,657.242 2	0.6712	0.2014	4,734.029 6
<b>Maximum</b>	<b>43.4955</b>	<b>56.6953</b>	<b>24.1584</b>	<b>0.1641</b>	<b>19.8049</b>	<b>1.6134</b>	<b>21.4183</b>	<b>10.1417</b>	<b>1.4843</b>	<b>11.6260</b>	<b>0.0000</b>	<b>17,666.26 39</b>	<b>17,666.26 39</b>	<b>1.6369</b>	<b>2.3362</b>	<b>18,403.38 68</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	4.4631	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597
Energy	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377
Mobile	3.3862	3.6181	30.3789	0.0603	6.5975	0.0481	6.6456	1.7575	0.0449	1.8023		6,245.4221	6,245.4221	0.4754	0.2955	6,345.3749
<b>Total</b>	<b>7.9422</b>	<b>4.4637</b>	<b>31.1585</b>	<b>0.0654</b>	<b>6.5975</b>	<b>0.1126</b>	<b>6.7101</b>	<b>1.7575</b>	<b>0.1093</b>	<b>1.8668</b>		<b>7,259.5839</b>	<b>7,259.5839</b>	<b>0.4952</b>	<b>0.3141</b>	<b>7,365.5723</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	4.4631	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597
Energy	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377
Mobile	3.3862	3.6181	30.3789	0.0603	6.5975	0.0481	6.6456	1.7575	0.0449	1.8023		6,245.4221	6,245.4221	0.4754	0.2955	6,345.3749
<b>Total</b>	<b>7.9422</b>	<b>4.4637</b>	<b>31.1585</b>	<b>0.0654</b>	<b>6.5975</b>	<b>0.1126</b>	<b>6.7101</b>	<b>1.7575</b>	<b>0.1093</b>	<b>1.8668</b>		<b>7,259.5839</b>	<b>7,259.5839</b>	<b>0.4952</b>	<b>0.3141</b>	<b>7,365.5723</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	7/28/2022	5	20	
2	Site Preparation	Site Preparation	7/29/2022	8/4/2022	5	5	
3	Grading	Grading	8/5/2022	8/16/2022	5	8	
4	Building Construction	Building Construction	8/17/2022	7/4/2023	5	230	
5	Paving	Paving	7/5/2023	7/28/2023	5	18	
6	Architectural Coating	Architectural Coating	7/29/2023	8/23/2023	5	18	

**Acres of Grading (Site Preparation Phase): 7.5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 3.18**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 235,595; Non-Residential Outdoor: 78,532; Striped Parking Area: 10,819 (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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

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Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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	6	15.00	0.00	137.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	126.00	55.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**



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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					1.5060	0.0000	1.5060	0.2281	0.0000	0.2281			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>1.5060</b>	<b>1.2427</b>	<b>2.7486</b>	<b>0.2281</b>	<b>1.1553</b>	<b>1.3833</b>		<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</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	0.0299	1.1543	0.2746	4.3000e-003	0.1198	0.0107	0.1305	0.0328	0.0103	0.0431		473.4118	473.4118	0.0227	0.0752	496.3911
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0321	0.3688	1.0600e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		108.0858	108.0858	3.4900e-003	3.1900e-003	109.1237
<b>Total</b>	<b>0.0773</b>	<b>1.1864</b>	<b>0.6433</b>	<b>5.3600e-003</b>	<b>0.2430</b>	<b>0.0114</b>	<b>0.2545</b>	<b>0.0655</b>	<b>0.0109</b>	<b>0.0764</b>		<b>581.4975</b>	<b>581.4975</b>	<b>0.0262</b>	<b>0.0784</b>	<b>605.5148</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					1.5060	0.0000	1.5060	0.2281	0.0000	0.2281			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>1.5060</b>	<b>1.2427</b>	<b>2.7486</b>	<b>0.2281</b>	<b>1.1553</b>	<b>1.3833</b>	<b>0.0000</b>	<b>3,746.781 2</b>	<b>3,746.781 2</b>	<b>1.0524</b>		<b>3,773.092 0</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	0.0299	1.1543	0.2746	4.3000e-003	0.1198	0.0107	0.1305	0.0328	0.0103	0.0431		473.4118	473.4118	0.0227	0.0752	496.3911
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0321	0.3688	1.0600e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		108.0858	108.0858	3.4900e-003	3.1900e-003	109.1237
<b>Total</b>	<b>0.0773</b>	<b>1.1864</b>	<b>0.6433</b>	<b>5.3600e-003</b>	<b>0.2430</b>	<b>0.0114</b>	<b>0.2545</b>	<b>0.0655</b>	<b>0.0109</b>	<b>0.0764</b>		<b>581.4975</b>	<b>581.4975</b>	<b>0.0262</b>	<b>0.0784</b>	<b>605.5148</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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	0.0568	0.0385	0.4425	1.2700e-003	0.1479	8.4000e-004	0.1487	0.0392	7.7000e-004	0.0400		129.7029	129.7029	4.1900e-003	3.8300e-003	130.9484
<b>Total</b>	<b>0.0568</b>	<b>0.0385</b>	<b>0.4425</b>	<b>1.2700e-003</b>	<b>0.1479</b>	<b>8.4000e-004</b>	<b>0.1487</b>	<b>0.0392</b>	<b>7.7000e-004</b>	<b>0.0400</b>		<b>129.7029</b>	<b>129.7029</b>	<b>4.1900e-003</b>	<b>3.8300e-003</b>	<b>130.9484</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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	0.0568	0.0385	0.4425	1.2700e-003	0.1479	8.4000e-004	0.1487	0.0392	7.7000e-004	0.0400		129.7029	129.7029	4.1900e-003	3.8300e-003	130.9484
<b>Total</b>	<b>0.0568</b>	<b>0.0385</b>	<b>0.4425</b>	<b>1.2700e-003</b>	<b>0.1479</b>	<b>8.4000e-004</b>	<b>0.1487</b>	<b>0.0392</b>	<b>7.7000e-004</b>	<b>0.0400</b>		<b>129.7029</b>	<b>129.7029</b>	<b>4.1900e-003</b>	<b>3.8300e-003</b>	<b>130.9484</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, Winter

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

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3215	0.0000	7.3215	3.4609	0.0000	3.4609			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>7.3215</b>	<b>0.9409</b>	<b>8.2623</b>	<b>3.4609</b>	<b>0.8656</b>	<b>4.3265</b>		<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</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	0.9279	35.8081	8.5170	0.1334	3.7166	0.3330	4.0496	1.0187	0.3186	1.3373		14,686.13 17	14,686.13 17	0.7045	2.3331	15,398.99 48
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0321	0.3688	1.0600e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		108.0858	108.0858	3.4900e-003	3.1900e-003	109.1237
<b>Total</b>	<b>0.9753</b>	<b>35.8402</b>	<b>8.8857</b>	<b>0.1345</b>	<b>3.8398</b>	<b>0.3337</b>	<b>4.1735</b>	<b>1.0514</b>	<b>0.3192</b>	<b>1.3706</b>		<b>14,794.21 74</b>	<b>14,794.21 74</b>	<b>0.7080</b>	<b>2.3362</b>	<b>15,508.11 84</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, Winter

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

**3.4 Grading - 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					7.3215	0.0000	7.3215	3.4609	0.0000	3.4609			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>7.3215</b>	<b>0.9409</b>	<b>8.2623</b>	<b>3.4609</b>	<b>0.8656</b>	<b>4.3265</b>	<b>0.0000</b>	<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</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	0.9279	35.8081	8.5170	0.1334	3.7166	0.3330	4.0496	1.0187	0.3186	1.3373		14,686.13 17	14,686.13 17	0.7045	2.3331	15,398.99 48
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0474	0.0321	0.3688	1.0600e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		108.0858	108.0858	3.4900e-003	3.1900e-003	109.1237
<b>Total</b>	<b>0.9753</b>	<b>35.8402</b>	<b>8.8857</b>	<b>0.1345</b>	<b>3.8398</b>	<b>0.3337</b>	<b>4.1735</b>	<b>1.0514</b>	<b>0.3192</b>	<b>1.3706</b>		<b>14,794.21 74</b>	<b>14,794.21 74</b>	<b>0.7080</b>	<b>2.3362</b>	<b>15,508.11 84</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, Winter

**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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	0.1214	3.0353	1.0087	0.0117	0.3725	0.0319	0.4044	0.1072	0.0305	0.1378		1,264.6898	1,264.6898	0.0383	0.1837	1,320.3999
Worker	0.3979	0.2693	3.0976	8.9200e-003	1.0351	5.8600e-003	1.0409	0.2746	5.4000e-003	0.2799		907.9203	907.9203	0.0293	0.0268	916.6389
<b>Total</b>	<b>0.5193</b>	<b>3.3046</b>	<b>4.1062</b>	<b>0.0207</b>	<b>1.4076</b>	<b>0.0378</b>	<b>1.4453</b>	<b>0.3818</b>	<b>0.0359</b>	<b>0.4177</b>		<b>2,172.6101</b>	<b>2,172.6101</b>	<b>0.0676</b>	<b>0.2105</b>	<b>2,237.0389</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, Winter

**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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	0.1214	3.0353	1.0087	0.0117	0.3725	0.0319	0.4044	0.1072	0.0305	0.1378		1,264.6898	1,264.6898	0.0383	0.1837	1,320.3999
Worker	0.3979	0.2693	3.0976	8.9200e-003	1.0351	5.8600e-003	1.0409	0.2746	5.4000e-003	0.2799		907.9203	907.9203	0.0293	0.0268	916.6389
<b>Total</b>	<b>0.5193</b>	<b>3.3046</b>	<b>4.1062</b>	<b>0.0207</b>	<b>1.4076</b>	<b>0.0378</b>	<b>1.4453</b>	<b>0.3818</b>	<b>0.0359</b>	<b>0.4177</b>		<b>2,172.6101</b>	<b>2,172.6101</b>	<b>0.0676</b>	<b>0.2105</b>	<b>2,237.0389</b>



9818 Scripps Health Headquarters - San Diego County APCD Air District, Winter

**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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	0.0639	2.4569	0.8753	0.0113	0.3725	0.0144	0.3869	0.1072	0.0138	0.1210		1,217.4867	1,217.4867	0.0367	0.1764	1,270.9838
Worker	0.3736	0.2406	2.8811	8.6400e-003	1.0351	5.5700e-003	1.0406	0.2746	5.1300e-003	0.2797		884.5456	884.5456	0.0267	0.0249	892.6398
<b>Total</b>	<b>0.4375</b>	<b>2.6976</b>	<b>3.7565</b>	<b>0.0199</b>	<b>1.4076</b>	<b>0.0200</b>	<b>1.4276</b>	<b>0.3818</b>	<b>0.0189</b>	<b>0.4007</b>		<b>2,102.0323</b>	<b>2,102.0323</b>	<b>0.0634</b>	<b>0.2014</b>	<b>2,163.6235</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, Winter

**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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	0.0639	2.4569	0.8753	0.0113	0.3725	0.0144	0.3869	0.1072	0.0138	0.1210		1,217.4867	1,217.4867	0.0367	0.1764	1,270.9838
Worker	0.3736	0.2406	2.8811	8.6400e-003	1.0351	5.5700e-003	1.0406	0.2746	5.1300e-003	0.2797		884.5456	884.5456	0.0267	0.0249	892.6398
<b>Total</b>	<b>0.4375</b>	<b>2.6976</b>	<b>3.7565</b>	<b>0.0199</b>	<b>1.4076</b>	<b>0.0200</b>	<b>1.4276</b>	<b>0.3818</b>	<b>0.0189</b>	<b>0.4007</b>		<b>2,102.0323</b>	<b>2,102.0323</b>	<b>0.0634</b>	<b>0.2014</b>	<b>2,163.6235</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, 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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.3624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2805</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>		<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</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	0.0593	0.0382	0.4573	1.3700e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444		140.4041	140.4041	4.2400e-003	3.9600e-003	141.6889
<b>Total</b>	<b>0.0593</b>	<b>0.0382</b>	<b>0.4573</b>	<b>1.3700e-003</b>	<b>0.1643</b>	<b>8.8000e-004</b>	<b>0.1652</b>	<b>0.0436</b>	<b>8.1000e-004</b>	<b>0.0444</b>		<b>140.4041</b>	<b>140.4041</b>	<b>4.2400e-003</b>	<b>3.9600e-003</b>	<b>141.6889</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, 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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.3624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2805</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>	<b>0.0000</b>	<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</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	0.0593	0.0382	0.4573	1.3700e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444		140.4041	140.4041	4.2400e-003	3.9600e-003	141.6889
<b>Total</b>	<b>0.0593</b>	<b>0.0382</b>	<b>0.4573</b>	<b>1.3700e-003</b>	<b>0.1643</b>	<b>8.8000e-004</b>	<b>0.1652</b>	<b>0.0436</b>	<b>8.1000e-004</b>	<b>0.0444</b>		<b>140.4041</b>	<b>140.4041</b>	<b>4.2400e-003</b>	<b>3.9600e-003</b>	<b>141.6889</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, 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	43.2297					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>43.4214</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	0.0741	0.0477	0.5717	1.7100e-003	0.2054	1.1000e-003	0.2065	0.0545	1.0200e-003	0.0555		175.5051	175.5051	5.3000e-003	4.9400e-003	177.1111
<b>Total</b>	<b>0.0741</b>	<b>0.0477</b>	<b>0.5717</b>	<b>1.7100e-003</b>	<b>0.2054</b>	<b>1.1000e-003</b>	<b>0.2065</b>	<b>0.0545</b>	<b>1.0200e-003</b>	<b>0.0555</b>		<b>175.5051</b>	<b>175.5051</b>	<b>5.3000e-003</b>	<b>4.9400e-003</b>	<b>177.1111</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, 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	43.2297					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>43.4214</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	0.0741	0.0477	0.5717	1.7100e-003	0.2054	1.1000e-003	0.2065	0.0545	1.0200e-003	0.0555		175.5051	175.5051	5.3000e-003	4.9400e-003	177.1111
<b>Total</b>	<b>0.0741</b>	<b>0.0477</b>	<b>0.5717</b>	<b>1.7100e-003</b>	<b>0.2054</b>	<b>1.1000e-003</b>	<b>0.2065</b>	<b>0.0545</b>	<b>1.0200e-003</b>	<b>0.0555</b>		<b>175.5051</b>	<b>175.5051</b>	<b>5.3000e-003</b>	<b>4.9400e-003</b>	<b>177.1111</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, 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	3.3862	3.6181	30.3789	0.0603	6.5975	0.0481	6.6456	1.7575	0.0449	1.8023		6,245.422 1	6,245.422 1	0.4754	0.2955	6,345.374 9
Unmitigated	3.3862	3.6181	30.3789	0.0603	6.5975	0.0481	6.6456	1.7575	0.0449	1.8023		6,245.422 1	6,245.422 1	0.4754	0.2955	6,345.374 9

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,311.45	296.84	94.24	2,372,115	2,372,115
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>1,311.45</b>	<b>296.84</b>	<b>94.24</b>	<b>2,372,115</b>	<b>2,372,115</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

9818 Scripps Health Headquarters - San Diego County APCD Air District, Winter

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
Parking Lot	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
Unenclosed Parking with Elevator	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377
NaturalGas Unmitigated	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377



9818 Scripps Health Headquarters - San Diego County APCD Air District, 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**

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	8619.1	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0930</b>	<b>0.8450</b>	<b>0.7098</b>	<b>5.0700e-003</b>		<b>0.0642</b>	<b>0.0642</b>		<b>0.0642</b>	<b>0.0642</b>		<b>1,014.0119</b>	<b>1,014.0119</b>	<b>0.0194</b>	<b>0.0186</b>	<b>1,020.0377</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, 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					
General Office Building	8.6191	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0930</b>	<b>0.8450</b>	<b>0.7098</b>	<b>5.0700e-003</b>		<b>0.0642</b>	<b>0.0642</b>		<b>0.0642</b>	<b>0.0642</b>		<b>1,014.0119</b>	<b>1,014.0119</b>	<b>0.0194</b>	<b>0.0186</b>	<b>1,020.0377</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

9818 Scripps Health Headquarters - San Diego County APCD Air District, Winter

**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
Category	lb/day										lb/day					
Mitigated	4.4631	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597
Unmitigated	4.4631	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.0316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4250					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.4500e-003	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597
<b>Total</b>	<b>4.4631</b>	<b>6.3000e-004</b>	<b>0.0698</b>	<b>1.0000e-005</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>0.1499</b>	<b>0.1499</b>	<b>3.9000e-004</b>		<b>0.1597</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, 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	1.0316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4250					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.4500e-003	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597
<b>Total</b>	<b>4.4631</b>	<b>6.3000e-004</b>	<b>0.0698</b>	<b>1.0000e-005</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>0.1499</b>	<b>0.1499</b>	<b>3.9000e-004</b>		<b>0.1597</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

9818 Scripps Health Headquarters - San Diego County APCD Air District, 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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9818 Scripps Health Headquarters - San Diego County APCD Air District, Summer

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

**9818 Scripps Health Headquarters  
San Diego County APCD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	157.06	1000sqft	0.61	157,063.00	0
Parking Lot	122.00	Space	2.49	48,800.00	0
Unenclosed Parking with Elevator	406.00	Space	0.69	131,509.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2024
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	539.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use - 131,200 sf office building + 25,863 sf basement  
406 space, 131,509 sf parking structure  
122 surface and below grade parking spaces

Demolition -

Grading - 13,600 cy export

Architectural Coating - SDAPCD Rule 67.0.1

Vehicle Trips - 1,312 trips (8.35 trips/ksf)

Weekend trips adjusted proportionately

Area Coating -

9818 Scripps Health Headquarters - San Diego County APCD Air District, Summer

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblGrading	MaterialExported	0.00	13,600.00
tblLandUse	LandUseSquareFeet	157,060.00	157,063.00
tblLandUse	LandUseSquareFeet	162,400.00	131,509.00
tblLandUse	LotAcreage	3.61	0.61
tblLandUse	LotAcreage	1.10	2.49
tblLandUse	LotAcreage	3.65	0.69
tblVehicleTrips	ST_TR	2.21	1.89
tblVehicleTrips	SU_TR	0.70	0.60
tblVehicleTrips	WD_TR	9.74	8.35

**2.0 Emissions Summary**

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9818 Scripps Health Headquarters - San Diego County APCD Air District, Summer

**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	3.2227	55.3960	24.0509	0.1641	19.8049	1.6134	21.4183	10.1417	1.4843	11.6260	0.0000	17,666.35 26	17,666.35 26	1.6382	2.3349	18,403.10 74
2023	43.4898	16.9566	20.1257	0.0474	1.4076	0.7197	2.1272	0.3818	0.6773	1.0591	0.0000	4,706.963 6	4,706.963 6	0.6698	0.1991	4,783.032 1
<b>Maximum</b>	<b>43.4898</b>	<b>55.3960</b>	<b>24.0509</b>	<b>0.1641</b>	<b>19.8049</b>	<b>1.6134</b>	<b>21.4183</b>	<b>10.1417</b>	<b>1.4843</b>	<b>11.6260</b>	<b>0.0000</b>	<b>17,666.35 26</b>	<b>17,666.35 26</b>	<b>1.6382</b>	<b>2.3349</b>	<b>18,403.10 74</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2227	55.3960	24.0509	0.1641	19.8049	1.6134	21.4183	10.1417	1.4843	11.6260	0.0000	17,666.35 26	17,666.35 26	1.6382	2.3349	18,403.10 74
2023	43.4898	16.9566	20.1257	0.0474	1.4076	0.7197	2.1272	0.3818	0.6773	1.0591	0.0000	4,706.963 6	4,706.963 6	0.6698	0.1991	4,783.032 1
<b>Maximum</b>	<b>43.4898</b>	<b>55.3960</b>	<b>24.0509</b>	<b>0.1641</b>	<b>19.8049</b>	<b>1.6134</b>	<b>21.4183</b>	<b>10.1417</b>	<b>1.4843</b>	<b>11.6260</b>	<b>0.0000</b>	<b>17,666.35 26</b>	<b>17,666.35 26</b>	<b>1.6382</b>	<b>2.3349</b>	<b>18,403.10 74</b>





9818 Scripps Health Headquarters - San Diego County APCD Air District, Summer

**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	4.4631	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597
Energy	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377
Mobile	3.4787	3.3359	29.4158	0.0630	6.5975	0.0481	6.6456	1.7575	0.0448	1.8023		6,527.8133	6,527.8133	0.4468	0.2801	6,622.4541
<b>Total</b>	<b>8.0347</b>	<b>4.1815</b>	<b>30.1955</b>	<b>0.0681</b>	<b>6.5975</b>	<b>0.1126</b>	<b>6.7101</b>	<b>1.7575</b>	<b>0.1093</b>	<b>1.8668</b>		<b>7,541.9751</b>	<b>7,541.9751</b>	<b>0.4666</b>	<b>0.2987</b>	<b>7,642.6514</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	4.4631	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597
Energy	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377
Mobile	3.4787	3.3359	29.4158	0.0630	6.5975	0.0481	6.6456	1.7575	0.0448	1.8023		6,527.8133	6,527.8133	0.4468	0.2801	6,622.4541
<b>Total</b>	<b>8.0347</b>	<b>4.1815</b>	<b>30.1955</b>	<b>0.0681</b>	<b>6.5975</b>	<b>0.1126</b>	<b>6.7101</b>	<b>1.7575</b>	<b>0.1093</b>	<b>1.8668</b>		<b>7,541.9751</b>	<b>7,541.9751</b>	<b>0.4666</b>	<b>0.2987</b>	<b>7,642.6514</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, Summer

**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	7/28/2022	5	20	
2	Site Preparation	Site Preparation	7/29/2022	8/4/2022	5	5	
3	Grading	Grading	8/5/2022	8/16/2022	5	8	
4	Building Construction	Building Construction	8/17/2022	7/4/2023	5	230	
5	Paving	Paving	7/5/2023	7/28/2023	5	18	
6	Architectural Coating	Architectural Coating	7/29/2023	8/23/2023	5	18	

**Acres of Grading (Site Preparation Phase): 7.5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 3.18**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 235,595; Non-Residential Outdoor: 78,532; Striped Parking Area: 10,819 (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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37

9818 Scripps Health Headquarters - San Diego County APCD Air District, Summer

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

Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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	6	15.00	0.00	137.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	126.00	55.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

9818 Scripps Health Headquarters - San Diego County APCD Air District, Summer

**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					1.5060	0.0000	1.5060	0.2281	0.0000	0.2281			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>1.5060</b>	<b>1.2427</b>	<b>2.7486</b>	<b>0.2281</b>	<b>1.1553</b>	<b>1.3833</b>		<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</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	0.0307	1.1125	0.2704	4.3000e-003	0.1198	0.0107	0.1305	0.0328	0.0103	0.0431		473.2114	473.2114	0.0228	0.0752	496.1814
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0438	0.0285	0.3889	1.1200e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		114.3907	114.3907	3.2800e-003	2.9500e-003	115.3516
<b>Total</b>	<b>0.0745</b>	<b>1.1410</b>	<b>0.6594</b>	<b>5.4200e-003</b>	<b>0.2430</b>	<b>0.0114</b>	<b>0.2544</b>	<b>0.0655</b>	<b>0.0109</b>	<b>0.0764</b>		<b>587.6021</b>	<b>587.6021</b>	<b>0.0260</b>	<b>0.0781</b>	<b>611.5330</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					1.5060	0.0000	1.5060	0.2281	0.0000	0.2281			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>1.5060</b>	<b>1.2427</b>	<b>2.7486</b>	<b>0.2281</b>	<b>1.1553</b>	<b>1.3833</b>	<b>0.0000</b>	<b>3,746.781 2</b>	<b>3,746.781 2</b>	<b>1.0524</b>		<b>3,773.092 0</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	0.0307	1.1125	0.2704	4.3000e-003	0.1198	0.0107	0.1305	0.0328	0.0103	0.0431		473.2114	473.2114	0.0228	0.0752	496.1814
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0438	0.0285	0.3889	1.1200e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		114.3907	114.3907	3.2800e-003	2.9500e-003	115.3516
<b>Total</b>	<b>0.0745</b>	<b>1.1410</b>	<b>0.6594</b>	<b>5.4200e-003</b>	<b>0.2430</b>	<b>0.0114</b>	<b>0.2544</b>	<b>0.0655</b>	<b>0.0109</b>	<b>0.0764</b>		<b>587.6021</b>	<b>587.6021</b>	<b>0.0260</b>	<b>0.0781</b>	<b>611.5330</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, Summer

**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	0.0526	0.0342	0.4667	1.3500e-003	0.1479	8.4000e-004	0.1487	0.0392	7.7000e-004	0.0400		137.2688	137.2688	3.9400e-003	3.5400e-003	138.4219
<b>Total</b>	<b>0.0526</b>	<b>0.0342</b>	<b>0.4667</b>	<b>1.3500e-003</b>	<b>0.1479</b>	<b>8.4000e-004</b>	<b>0.1487</b>	<b>0.0392</b>	<b>7.7000e-004</b>	<b>0.0400</b>		<b>137.2688</b>	<b>137.2688</b>	<b>3.9400e-003</b>	<b>3.5400e-003</b>	<b>138.4219</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, Summer

**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					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	0.0526	0.0342	0.4667	1.3500e-003	0.1479	8.4000e-004	0.1487	0.0392	7.7000e-004	0.0400		137.2688	137.2688	3.9400e-003	3.5400e-003	138.4219
<b>Total</b>	<b>0.0526</b>	<b>0.0342</b>	<b>0.4667</b>	<b>1.3500e-003</b>	<b>0.1479</b>	<b>8.4000e-004</b>	<b>0.1487</b>	<b>0.0392</b>	<b>7.7000e-004</b>	<b>0.0400</b>		<b>137.2688</b>	<b>137.2688</b>	<b>3.9400e-003</b>	<b>3.5400e-003</b>	<b>138.4219</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 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3215	0.0000	7.3215	3.4609	0.0000	3.4609			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>7.3215</b>	<b>0.9409</b>	<b>8.2623</b>	<b>3.4609</b>	<b>0.8656</b>	<b>4.3265</b>		<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</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	0.9523	34.5124	8.3892	0.1334	3.7166	0.3325	4.0490	1.0187	0.3181	1.3368		14,679.91 55	14,679.91 55	0.7060	2.3320	15,392.48 74
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0438	0.0285	0.3889	1.1200e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		114.3907	114.3907	3.2800e-003	2.9500e-003	115.3516
<b>Total</b>	<b>0.9961</b>	<b>34.5409</b>	<b>8.7781</b>	<b>0.1345</b>	<b>3.8398</b>	<b>0.3332</b>	<b>4.1730</b>	<b>1.0514</b>	<b>0.3187</b>	<b>1.3701</b>		<b>14,794.30 62</b>	<b>14,794.30 62</b>	<b>0.7093</b>	<b>2.3349</b>	<b>15,507.83 90</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 Grading - 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					7.3215	0.0000	7.3215	3.4609	0.0000	3.4609			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
<b>Total</b>	<b>1.9486</b>	<b>20.8551</b>	<b>15.2727</b>	<b>0.0297</b>	<b>7.3215</b>	<b>0.9409</b>	<b>8.2623</b>	<b>3.4609</b>	<b>0.8656</b>	<b>4.3265</b>	<b>0.0000</b>	<b>2,872.046 4</b>	<b>2,872.046 4</b>	<b>0.9289</b>		<b>2,895.268 4</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	0.9523	34.5124	8.3892	0.1334	3.7166	0.3325	4.0490	1.0187	0.3181	1.3368		14,679.91 55	14,679.91 55	0.7060	2.3320	15,392.48 74
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0438	0.0285	0.3889	1.1200e-003	0.1232	7.0000e-004	0.1239	0.0327	6.4000e-004	0.0333		114.3907	114.3907	3.2800e-003	2.9500e-003	115.3516
<b>Total</b>	<b>0.9961</b>	<b>34.5409</b>	<b>8.7781</b>	<b>0.1345</b>	<b>3.8398</b>	<b>0.3332</b>	<b>4.1730</b>	<b>1.0514</b>	<b>0.3187</b>	<b>1.3701</b>		<b>14,794.30 62</b>	<b>14,794.30 62</b>	<b>0.7093</b>	<b>2.3349</b>	<b>15,507.83 90</b>

9818 Scripps Health Headquarters - San Diego County APCD Air District, Summer

**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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	0.1225	2.9250	0.9785	0.0117	0.3725	0.0318	0.4043	0.1072	0.0304	0.1377		1,264.0409	1,264.0409	0.0384	0.1835	1,319.6778
Worker	0.3679	0.2395	3.2671	9.4500e-003	1.0351	5.8600e-003	1.0409	0.2746	5.4000e-003	0.2799		960.8818	960.8818	0.0276	0.0248	968.9535
<b>Total</b>	<b>0.4904</b>	<b>3.1644</b>	<b>4.2455</b>	<b>0.0212</b>	<b>1.4076</b>	<b>0.0377</b>	<b>1.4452</b>	<b>0.3818</b>	<b>0.0358</b>	<b>0.4176</b>		<b>2,224.9227</b>	<b>2,224.9227</b>	<b>0.0660</b>	<b>0.2083</b>	<b>2,288.6313</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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	0.1225	2.9250	0.9785	0.0117	0.3725	0.0318	0.4043	0.1072	0.0304	0.1377		1,264.0409	1,264.0409	0.0384	0.1835	1,319.6778
Worker	0.3679	0.2395	3.2671	9.4500e-003	1.0351	5.8600e-003	1.0409	0.2746	5.4000e-003	0.2799		960.8818	960.8818	0.0276	0.0248	968.9535
<b>Total</b>	<b>0.4904</b>	<b>3.1644</b>	<b>4.2455</b>	<b>0.0212</b>	<b>1.4076</b>	<b>0.0377</b>	<b>1.4452</b>	<b>0.3818</b>	<b>0.0358</b>	<b>0.4176</b>		<b>2,224.9227</b>	<b>2,224.9227</b>	<b>0.0660</b>	<b>0.2083</b>	<b>2,288.6313</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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	0.0657	2.3577	0.8497	0.0113	0.3725	0.0144	0.3869	0.1072	0.0137	0.1210		1,215.7583	1,215.7583	0.0369	0.1760	1,269.1371
Worker	0.3446	0.2140	3.0320	9.1500e-003	1.0351	5.5700e-003	1.0406	0.2746	5.1300e-003	0.2797		935.9955	935.9955	0.0251	0.0230	943.4890
<b>Total</b>	<b>0.4103</b>	<b>2.5717</b>	<b>3.8817</b>	<b>0.0204</b>	<b>1.4076</b>	<b>0.0199</b>	<b>1.4275</b>	<b>0.3818</b>	<b>0.0189</b>	<b>0.4007</b>		<b>2,151.7537</b>	<b>2,151.7537</b>	<b>0.0619</b>	<b>0.1991</b>	<b>2,212.6261</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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	0.0657	2.3577	0.8497	0.0113	0.3725	0.0144	0.3869	0.1072	0.0137	0.1210		1,215.7583	1,215.7583	0.0369	0.1760	1,269.1371
Worker	0.3446	0.2140	3.0320	9.1500e-003	1.0351	5.5700e-003	1.0406	0.2746	5.1300e-003	0.2797		935.9955	935.9955	0.0251	0.0230	943.4890
<b>Total</b>	<b>0.4103</b>	<b>2.5717</b>	<b>3.8817</b>	<b>0.0204</b>	<b>1.4076</b>	<b>0.0199</b>	<b>1.4275</b>	<b>0.3818</b>	<b>0.0189</b>	<b>0.4007</b>		<b>2,151.7537</b>	<b>2,151.7537</b>	<b>0.0619</b>	<b>0.1991</b>	<b>2,212.6261</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 - 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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.3624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2805</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>		<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</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	0.0547	0.0340	0.4813	1.4500e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444		148.5707	148.5707	3.9800e-003	3.6600e-003	149.7602
<b>Total</b>	<b>0.0547</b>	<b>0.0340</b>	<b>0.4813</b>	<b>1.4500e-003</b>	<b>0.1643</b>	<b>8.8000e-004</b>	<b>0.1652</b>	<b>0.0436</b>	<b>8.1000e-004</b>	<b>0.0444</b>		<b>148.5707</b>	<b>148.5707</b>	<b>3.9800e-003</b>	<b>3.6600e-003</b>	<b>149.7602</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 - 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	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.3624					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2805</b>	<b>8.7903</b>	<b>12.1905</b>	<b>0.0189</b>		<b>0.4357</b>	<b>0.4357</b>		<b>0.4025</b>	<b>0.4025</b>	<b>0.0000</b>	<b>1,805.4304</b>	<b>1,805.4304</b>	<b>0.5673</b>		<b>1,819.6122</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	0.0547	0.0340	0.4813	1.4500e-003	0.1643	8.8000e-004	0.1652	0.0436	8.1000e-004	0.0444		148.5707	148.5707	3.9800e-003	3.6600e-003	149.7602
<b>Total</b>	<b>0.0547</b>	<b>0.0340</b>	<b>0.4813</b>	<b>1.4500e-003</b>	<b>0.1643</b>	<b>8.8000e-004</b>	<b>0.1652</b>	<b>0.0436</b>	<b>8.1000e-004</b>	<b>0.0444</b>		<b>148.5707</b>	<b>148.5707</b>	<b>3.9800e-003</b>	<b>3.6600e-003</b>	<b>149.7602</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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	43.2297					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>43.4214</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	0.0684	0.0425	0.6016	1.8100e-003	0.2054	1.1000e-003	0.2065	0.0545	1.0200e-003	0.0555		185.7134	185.7134	4.9700e-003	4.5700e-003	187.2002
<b>Total</b>	<b>0.0684</b>	<b>0.0425</b>	<b>0.6016</b>	<b>1.8100e-003</b>	<b>0.2054</b>	<b>1.1000e-003</b>	<b>0.2065</b>	<b>0.0545</b>	<b>1.0200e-003</b>	<b>0.0555</b>		<b>185.7134</b>	<b>185.7134</b>	<b>4.9700e-003</b>	<b>4.5700e-003</b>	<b>187.2002</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 On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	43.2297					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>43.4214</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	0.0684	0.0425	0.6016	1.8100e-003	0.2054	1.1000e-003	0.2065	0.0545	1.0200e-003	0.0555		185.7134	185.7134	4.9700e-003	4.5700e-003	187.2002
<b>Total</b>	<b>0.0684</b>	<b>0.0425</b>	<b>0.6016</b>	<b>1.8100e-003</b>	<b>0.2054</b>	<b>1.1000e-003</b>	<b>0.2065</b>	<b>0.0545</b>	<b>1.0200e-003</b>	<b>0.0555</b>		<b>185.7134</b>	<b>185.7134</b>	<b>4.9700e-003</b>	<b>4.5700e-003</b>	<b>187.2002</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	3.4787	3.3359	29.4158	0.0630	6.5975	0.0481	6.6456	1.7575	0.0448	1.8023		6,527.813 3	6,527.813 3	0.4468	0.2801	6,622.454 1
Unmitigated	3.4787	3.3359	29.4158	0.0630	6.5975	0.0481	6.6456	1.7575	0.0448	1.8023		6,527.813 3	6,527.813 3	0.4468	0.2801	6,622.454 1

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,311.45	296.84	94.24	2,372,115	2,372,115
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>1,311.45</b>	<b>296.84</b>	<b>94.24</b>	<b>2,372,115</b>	<b>2,372,115</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
Parking Lot	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
Unenclosed Parking with Elevator	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949

**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	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377
NaturalGas Unmitigated	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377

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**5.2 Energy by Land Use - NaturalGas**

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	8619.1	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0930</b>	<b>0.8450</b>	<b>0.7098</b>	<b>5.0700e-003</b>		<b>0.0642</b>	<b>0.0642</b>		<b>0.0642</b>	<b>0.0642</b>		<b>1,014.0119</b>	<b>1,014.0119</b>	<b>0.0194</b>	<b>0.0186</b>	<b>1,020.0377</b>

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**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	8.6191	0.0930	0.8450	0.7098	5.0700e-003		0.0642	0.0642		0.0642	0.0642		1,014.0119	1,014.0119	0.0194	0.0186	1,020.0377
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0930</b>	<b>0.8450</b>	<b>0.7098</b>	<b>5.0700e-003</b>		<b>0.0642</b>	<b>0.0642</b>		<b>0.0642</b>	<b>0.0642</b>		<b>1,014.0119</b>	<b>1,014.0119</b>	<b>0.0194</b>	<b>0.0186</b>	<b>1,020.0377</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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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	lb/day										lb/day					
Mitigated	4.4631	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597
Unmitigated	4.4631	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.0316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4250					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.4500e-003	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597
<b>Total</b>	<b>4.4631</b>	<b>6.3000e-004</b>	<b>0.0698</b>	<b>1.0000e-005</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>0.1499</b>	<b>0.1499</b>	<b>3.9000e-004</b>		<b>0.1597</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	lb/day										lb/day					
Architectural Coating	1.0316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4250					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.4500e-003	6.3000e-004	0.0698	1.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		0.1499	0.1499	3.9000e-004		0.1597
<b>Total</b>	<b>4.4631</b>	<b>6.3000e-004</b>	<b>0.0698</b>	<b>1.0000e-005</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>2.5000e-004</b>	<b>2.5000e-004</b>		<b>0.1499</b>	<b>0.1499</b>	<b>3.9000e-004</b>		<b>0.1597</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**

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**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	157.06	1000sqft	0.61	157,063.00	0
Parking Lot	122.00	Space	2.49	48,800.00	0
Unenclosed Parking with Elevator	406.00	Space	0.69	131,509.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2024
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	539.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use - 131,200 sf office building + 25,863 sf basement  
406 space, 131,509 sf parking structure  
122 surface and below grade parking spaces

Demolition -

Grading - 13,600 cy export

Architectural Coating - SDAPCD Rule 67.0.1

Vehicle Trips - 1,312 trips (8.35 trips/ksf)

Weekend trips adjusted proportionately

Area Coating -

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

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblGrading	MaterialExported	0.00	13,600.00
tblLandUse	LandUseSquareFeet	157,060.00	157,063.00
tblLandUse	LandUseSquareFeet	162,400.00	131,509.00
tblLandUse	LotAcreage	3.61	0.61
tblLandUse	LotAcreage	1.10	2.49
tblLandUse	LotAcreage	3.65	0.69
tblVehicleTrips	ST_TR	2.21	1.89
tblVehicleTrips	SU_TR	0.70	0.60
tblVehicleTrips	WD_TR	9.74	8.35

**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	0.1543	1.5050	1.3612	3.5300e-003	0.1787	0.0632	0.2418	0.0646	0.0592	0.1237	0.0000	322.4906	322.4906	0.0486	0.0185	329.2293
2023	0.5340	1.2177	1.4542	3.3200e-003	0.0940	0.0521	0.1461	0.0255	0.0490	0.0745	0.0000	298.8987	298.8987	0.0450	0.0121	303.6290
<b>Maximum</b>	<b>0.5340</b>	<b>1.5050</b>	<b>1.4542</b>	<b>3.5300e-003</b>	<b>0.1787</b>	<b>0.0632</b>	<b>0.2418</b>	<b>0.0646</b>	<b>0.0592</b>	<b>0.1237</b>	<b>0.0000</b>	<b>322.4906</b>	<b>322.4906</b>	<b>0.0486</b>	<b>0.0185</b>	<b>329.2293</b>

**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	0.1543	1.5050	1.3612	3.5300e-003	0.1787	0.0632	0.2418	0.0646	0.0592	0.1237	0.0000	322.4904	322.4904	0.0486	0.0185	329.2291
2023	0.5340	1.2177	1.4542	3.3200e-003	0.0940	0.0521	0.1461	0.0255	0.0490	0.0745	0.0000	298.8985	298.8985	0.0450	0.0121	303.6288
<b>Maximum</b>	<b>0.5340</b>	<b>1.5050</b>	<b>1.4542</b>	<b>3.5300e-003</b>	<b>0.1787</b>	<b>0.0632</b>	<b>0.2418</b>	<b>0.0646</b>	<b>0.0592</b>	<b>0.1237</b>	<b>0.0000</b>	<b>322.4904</b>	<b>322.4904</b>	<b>0.0486</b>	<b>0.0185</b>	<b>329.2291</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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2022	9-30-2022	0.9737	0.9737
2	10-1-2022	12-31-2022	0.6948	0.6948
3	1-1-2023	3-31-2023	0.6137	0.6137
4	4-1-2023	6-30-2023	0.6155	0.6155
5	7-1-2023	9-30-2023	0.5305	0.5305
		Highest	0.9737	0.9737

**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	0.8139	6.0000e-005	6.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0122	0.0122	3.0000e-005	0.0000	0.0130
Energy	0.0170	0.1542	0.1295	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	732.3492	732.3492	0.0377	7.2600e-003	735.4553
Mobile	0.4574	0.4924	4.0946	8.3500e-003	0.8874	6.6200e-003	0.8940	0.2368	6.1700e-003	0.2430	0.0000	784.8173	784.8173	0.0582	0.0365	797.1589
Waste						0.0000	0.0000		0.0000	0.0000	29.6509	0.0000	29.6509	1.7523	0.0000	73.4588
Water						0.0000	0.0000		0.0000	0.0000	8.8561	135.5843	144.4404	0.9179	0.0225	174.0874
<b>Total</b>	<b>1.2883</b>	<b>0.6467</b>	<b>4.2304</b>	<b>9.2800e-003</b>	<b>0.8874</b>	<b>0.0184</b>	<b>0.9057</b>	<b>0.2368</b>	<b>0.0179</b>	<b>0.2547</b>	<b>38.5070</b>	<b>1,652.7631</b>	<b>1,691.2700</b>	<b>2.7662</b>	<b>0.0663</b>	<b>1,780.1735</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.8139	6.0000e-005	6.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0122	0.0122	3.0000e-005	0.0000	0.0130
Energy	0.0170	0.1542	0.1295	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	732.3492	732.3492	0.0377	7.2600e-003	735.4553
Mobile	0.4574	0.4924	4.0946	8.3500e-003	0.8874	6.6200e-003	0.8940	0.2368	6.1700e-003	0.2430	0.0000	784.8173	784.8173	0.0582	0.0365	797.1589
Waste						0.0000	0.0000		0.0000	0.0000	29.6509	0.0000	29.6509	1.7523	0.0000	73.4588
Water						0.0000	0.0000		0.0000	0.0000	8.8561	135.5843	144.4404	0.9179	0.0225	174.0874
<b>Total</b>	<b>1.2883</b>	<b>0.6467</b>	<b>4.2304</b>	<b>9.2800e-003</b>	<b>0.8874</b>	<b>0.0184</b>	<b>0.9057</b>	<b>0.2368</b>	<b>0.0179</b>	<b>0.2547</b>	<b>38.5070</b>	<b>1,652.7631</b>	<b>1,691.2700</b>	<b>2.7662</b>	<b>0.0663</b>	<b>1,780.1735</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	7/28/2022	5	20	
2	Site Preparation	Site Preparation	7/29/2022	8/4/2022	5	5	
3	Grading	Grading	8/5/2022	8/16/2022	5	8	

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4	Building Construction	Building Construction	8/17/2022	7/4/2023	5	230
5	Paving	Paving	7/5/2023	7/28/2023	5	18
6	Architectural Coating	Architectural Coating	7/29/2023	8/23/2023	5	18

**Acres of Grading (Site Preparation Phase): 7.5**

**Acres of Grading (Grading Phase): 8**

**Acres of Paving: 3.18**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 235,595; Non-Residential Outdoor: 78,532; Striped Parking Area: 10,819 (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	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36

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Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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	6	15.00	0.00	137.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,700.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	126.00	55.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0151	0.0000	0.0151	2.2800e-003	0.0000	2.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
<b>Total</b>	<b>0.0264</b>	<b>0.2572</b>	<b>0.2059</b>	<b>3.9000e-004</b>	<b>0.0151</b>	<b>0.0124</b>	<b>0.0275</b>	<b>2.2800e-003</b>	<b>0.0116</b>	<b>0.0138</b>	<b>0.0000</b>	<b>33.9902</b>	<b>33.9902</b>	<b>9.5500e-003</b>	<b>0.0000</b>	<b>34.2289</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	3.0000e-004	0.0115	2.7200e-003	4.0000e-005	1.1700e-003	1.1000e-004	1.2800e-003	3.2000e-004	1.0000e-004	4.2000e-004	0.0000	4.2937	4.2937	2.1000e-004	6.8000e-004	4.5021
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.1000e-004	3.6900e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9893	0.9893	3.0000e-005	3.0000e-005	0.9985
<b>Total</b>	<b>7.3000e-004</b>	<b>0.0118</b>	<b>6.4100e-003</b>	<b>5.0000e-005</b>	<b>2.3700e-003</b>	<b>1.2000e-004</b>	<b>2.4900e-003</b>	<b>6.4000e-004</b>	<b>1.1000e-004</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>5.2829</b>	<b>5.2829</b>	<b>2.4000e-004</b>	<b>7.1000e-004</b>	<b>5.5006</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					0.0151	0.0000	0.0151	2.2800e-003	0.0000	2.2800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
<b>Total</b>	<b>0.0264</b>	<b>0.2572</b>	<b>0.2059</b>	<b>3.9000e-004</b>	<b>0.0151</b>	<b>0.0124</b>	<b>0.0275</b>	<b>2.2800e-003</b>	<b>0.0116</b>	<b>0.0138</b>	<b>0.0000</b>	<b>33.9902</b>	<b>33.9902</b>	<b>9.5500e-003</b>	<b>0.0000</b>	<b>34.2289</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	3.0000e-004	0.0115	2.7200e-003	4.0000e-005	1.1700e-003	1.1000e-004	1.2800e-003	3.2000e-004	1.0000e-004	4.2000e-004	0.0000	4.2937	4.2937	2.1000e-004	6.8000e-004	4.5021
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.3000e-004	3.1000e-004	3.6900e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	0.9893	0.9893	3.0000e-005	3.0000e-005	0.9985
<b>Total</b>	<b>7.3000e-004</b>	<b>0.0118</b>	<b>6.4100e-003</b>	<b>5.0000e-005</b>	<b>2.3700e-003</b>	<b>1.2000e-004</b>	<b>2.4900e-003</b>	<b>6.4000e-004</b>	<b>1.1000e-004</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>5.2829</b>	<b>5.2829</b>	<b>2.4000e-004</b>	<b>7.1000e-004</b>	<b>5.5006</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					0.0491	0.0000	0.0491	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3599	8.3599	2.7000e-003	0.0000	8.4274
<b>Total</b>	<b>7.9300e-003</b>	<b>0.0827</b>	<b>0.0492</b>	<b>1.0000e-004</b>	<b>0.0491</b>	<b>4.0300e-003</b>	<b>0.0532</b>	<b>0.0253</b>	<b>3.7100e-003</b>	<b>0.0290</b>	<b>0.0000</b>	<b>8.3599</b>	<b>8.3599</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.4274</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	1.3000e-004	9.0000e-005	1.1100e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2968	0.2968	1.0000e-005	1.0000e-005	0.2996
<b>Total</b>	<b>1.3000e-004</b>	<b>9.0000e-005</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.2968</b>	<b>0.2968</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2996</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					0.0491	0.0000	0.0491	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3598	8.3598	2.7000e-003	0.0000	8.4274
<b>Total</b>	<b>7.9300e-003</b>	<b>0.0827</b>	<b>0.0492</b>	<b>1.0000e-004</b>	<b>0.0491</b>	<b>4.0300e-003</b>	<b>0.0532</b>	<b>0.0253</b>	<b>3.7100e-003</b>	<b>0.0290</b>	<b>0.0000</b>	<b>8.3598</b>	<b>8.3598</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.4274</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	1.3000e-004	9.0000e-005	1.1100e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2968	0.2968	1.0000e-005	1.0000e-005	0.2996
<b>Total</b>	<b>1.3000e-004</b>	<b>9.0000e-005</b>	<b>1.1100e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.2968</b>	<b>0.2968</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2996</b>

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0293	0.0000	0.0293	0.0138	0.0000	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
<b>Total</b>	<b>7.7900e-003</b>	<b>0.0834</b>	<b>0.0611</b>	<b>1.2000e-004</b>	<b>0.0293</b>	<b>3.7600e-003</b>	<b>0.0331</b>	<b>0.0138</b>	<b>3.4600e-003</b>	<b>0.0173</b>	<b>0.0000</b>	<b>10.4219</b>	<b>10.4219</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>10.5062</b>

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**3.4 Grading - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7700e-003	0.1431	0.0338	5.3000e-004	0.0146	1.3300e-003	0.0159	4.0000e-003	1.2700e-003	5.2700e-003	0.0000	53.2790	53.2790	2.5600e-003	8.4600e-003	55.8653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.4700e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3957	0.3957	1.0000e-005	1.0000e-005	0.3994
<b>Total</b>	<b>3.9400e-003</b>	<b>0.1433</b>	<b>0.0352</b>	<b>5.3000e-004</b>	<b>0.0150</b>	<b>1.3300e-003</b>	<b>0.0164</b>	<b>4.1300e-003</b>	<b>1.2700e-003</b>	<b>5.4000e-003</b>	<b>0.0000</b>	<b>53.6747</b>	<b>53.6747</b>	<b>2.5700e-003</b>	<b>8.4700e-003</b>	<b>56.2647</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					0.0293	0.0000	0.0293	0.0138	0.0000	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
<b>Total</b>	<b>7.7900e-003</b>	<b>0.0834</b>	<b>0.0611</b>	<b>1.2000e-004</b>	<b>0.0293</b>	<b>3.7600e-003</b>	<b>0.0331</b>	<b>0.0138</b>	<b>3.4600e-003</b>	<b>0.0173</b>	<b>0.0000</b>	<b>10.4219</b>	<b>10.4219</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>10.5062</b>

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**3.4 Grading - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.7700e-003	0.1431	0.0338	5.3000e-004	0.0146	1.3300e-003	0.0159	4.0000e-003	1.2700e-003	5.2700e-003	0.0000	53.2790	53.2790	2.5600e-003	8.4600e-003	55.8653
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.3000e-004	1.4700e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3957	0.3957	1.0000e-005	1.0000e-005	0.3994
<b>Total</b>	<b>3.9400e-003</b>	<b>0.1433</b>	<b>0.0352</b>	<b>5.3000e-004</b>	<b>0.0150</b>	<b>1.3300e-003</b>	<b>0.0164</b>	<b>4.1300e-003</b>	<b>1.2700e-003</b>	<b>5.4000e-003</b>	<b>0.0000</b>	<b>53.6747</b>	<b>53.6747</b>	<b>2.5700e-003</b>	<b>8.4700e-003</b>	<b>56.2647</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	0.0836	0.7652	0.8018	1.3200e-003		0.0396	0.0396		0.0373	0.0373	0.0000	113.5454	113.5454	0.0272	0.0000	114.2254
<b>Total</b>	<b>0.0836</b>	<b>0.7652</b>	<b>0.8018</b>	<b>1.3200e-003</b>		<b>0.0396</b>	<b>0.0396</b>		<b>0.0373</b>	<b>0.0373</b>	<b>0.0000</b>	<b>113.5454</b>	<b>113.5454</b>	<b>0.0272</b>	<b>0.0000</b>	<b>114.2254</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	5.9600e-003	0.1483	0.0486	5.8000e-004	0.0179	1.5600e-003	0.0195	5.1700e-003	1.4900e-003	6.6600e-003	0.0000	56.2014	56.2014	1.7100e-003	8.1600e-003	58.6768
Worker	0.0178	0.0129	0.1518	4.4000e-004	0.0495	2.9000e-004	0.0498	0.0132	2.6000e-004	0.0134	0.0000	40.7175	40.7175	1.2800e-003	1.1800e-003	41.0997
<b>Total</b>	<b>0.0238</b>	<b>0.1613</b>	<b>0.2004</b>	<b>1.0200e-003</b>	<b>0.0674</b>	<b>1.8500e-003</b>	<b>0.0693</b>	<b>0.0183</b>	<b>1.7500e-003</b>	<b>0.0201</b>	<b>0.0000</b>	<b>96.9189</b>	<b>96.9189</b>	<b>2.9900e-003</b>	<b>9.3400e-003</b>	<b>99.7765</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	0.0836	0.7652	0.8018	1.3200e-003		0.0396	0.0396		0.0373	0.0373	0.0000	113.5452	113.5452	0.0272	0.0000	114.2253
<b>Total</b>	<b>0.0836</b>	<b>0.7652</b>	<b>0.8018</b>	<b>1.3200e-003</b>		<b>0.0396</b>	<b>0.0396</b>		<b>0.0373</b>	<b>0.0373</b>	<b>0.0000</b>	<b>113.5452</b>	<b>113.5452</b>	<b>0.0272</b>	<b>0.0000</b>	<b>114.2253</b>

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**3.5 Building Construction - 2022**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.9600e-003	0.1483	0.0486	5.8000e-004	0.0179	1.5600e-003	0.0195	5.1700e-003	1.4900e-003	6.6600e-003	0.0000	56.2014	56.2014	1.7100e-003	8.1600e-003	58.6768
Worker	0.0178	0.0129	0.1518	4.4000e-004	0.0495	2.9000e-004	0.0498	0.0132	2.6000e-004	0.0134	0.0000	40.7175	40.7175	1.2800e-003	1.1800e-003	41.0997
<b>Total</b>	<b>0.0238</b>	<b>0.1613</b>	<b>0.2004</b>	<b>1.0200e-003</b>	<b>0.0674</b>	<b>1.8500e-003</b>	<b>0.0693</b>	<b>0.0183</b>	<b>1.7500e-003</b>	<b>0.0201</b>	<b>0.0000</b>	<b>96.9189</b>	<b>96.9189</b>	<b>2.9900e-003</b>	<b>9.3400e-003</b>	<b>99.7765</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	0.1038	0.9494	1.0721	1.7800e-003		0.0462	0.0462		0.0435	0.0435	0.0000	152.9911	152.9911	0.0364	0.0000	153.9010
<b>Total</b>	<b>0.1038</b>	<b>0.9494</b>	<b>1.0721</b>	<b>1.7800e-003</b>		<b>0.0462</b>	<b>0.0462</b>		<b>0.0435</b>	<b>0.0435</b>	<b>0.0000</b>	<b>152.9911</b>	<b>152.9911</b>	<b>0.0364</b>	<b>0.0000</b>	<b>153.9010</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	4.2600e-003	0.1612	0.0568	7.4000e-004	0.0241	9.5000e-004	0.0251	6.9600e-003	9.1000e-004	7.8700e-003	0.0000	72.8361	72.8361	2.2000e-003	0.0106	76.0362
Worker	0.0225	0.0156	0.1900	5.8000e-004	0.0667	3.7000e-004	0.0671	0.0177	3.4000e-004	0.0181	0.0000	53.4307	53.4307	1.5600e-003	1.4700e-003	53.9086
<b>Total</b>	<b>0.0268</b>	<b>0.1767</b>	<b>0.2469</b>	<b>1.3200e-003</b>	<b>0.0908</b>	<b>1.3200e-003</b>	<b>0.0921</b>	<b>0.0247</b>	<b>1.2500e-003</b>	<b>0.0259</b>	<b>0.0000</b>	<b>126.2668</b>	<b>126.2668</b>	<b>3.7600e-003</b>	<b>0.0120</b>	<b>129.9447</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	0.1038	0.9494	1.0721	1.7800e-003		0.0462	0.0462		0.0435	0.0435	0.0000	152.9910	152.9910	0.0364	0.0000	153.9008
<b>Total</b>	<b>0.1038</b>	<b>0.9494</b>	<b>1.0721</b>	<b>1.7800e-003</b>		<b>0.0462</b>	<b>0.0462</b>		<b>0.0435</b>	<b>0.0435</b>	<b>0.0000</b>	<b>152.9910</b>	<b>152.9910</b>	<b>0.0364</b>	<b>0.0000</b>	<b>153.9008</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	4.2600e-003	0.1612	0.0568	7.4000e-004	0.0241	9.5000e-004	0.0251	6.9600e-003	9.1000e-004	7.8700e-003	0.0000	72.8361	72.8361	2.2000e-003	0.0106	76.0362
Worker	0.0225	0.0156	0.1900	5.8000e-004	0.0667	3.7000e-004	0.0671	0.0177	3.4000e-004	0.0181	0.0000	53.4307	53.4307	1.5600e-003	1.4700e-003	53.9086
<b>Total</b>	<b>0.0268</b>	<b>0.1767</b>	<b>0.2469</b>	<b>1.3200e-003</b>	<b>0.0908</b>	<b>1.3200e-003</b>	<b>0.0921</b>	<b>0.0247</b>	<b>1.2500e-003</b>	<b>0.0259</b>	<b>0.0000</b>	<b>126.2668</b>	<b>126.2668</b>	<b>3.7600e-003</b>	<b>0.0120</b>	<b>129.9447</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	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	3.2600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0115</b>	<b>0.0791</b>	<b>0.1097</b>	<b>1.7000e-004</b>		<b>3.9200e-003</b>	<b>3.9200e-003</b>		<b>3.6200e-003</b>	<b>3.6200e-003</b>	<b>0.0000</b>	<b>14.7407</b>	<b>14.7407</b>	<b>4.6300e-003</b>	<b>0.0000</b>	<b>14.8565</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	4.9000e-004	3.4000e-004	4.1100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1565	1.1565	3.0000e-005	3.0000e-005	1.1669
<b>Total</b>	<b>4.9000e-004</b>	<b>3.4000e-004</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>	<b>1.4400e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.1565</b>	<b>1.1565</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.1669</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	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	3.2600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0115</b>	<b>0.0791</b>	<b>0.1097</b>	<b>1.7000e-004</b>		<b>3.9200e-003</b>	<b>3.9200e-003</b>		<b>3.6200e-003</b>	<b>3.6200e-003</b>	<b>0.0000</b>	<b>14.7407</b>	<b>14.7407</b>	<b>4.6300e-003</b>	<b>0.0000</b>	<b>14.8565</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	4.9000e-004	3.4000e-004	4.1100e-003	1.0000e-005	1.4400e-003	1.0000e-005	1.4500e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.1565	1.1565	3.0000e-005	3.0000e-005	1.1669
<b>Total</b>	<b>4.9000e-004</b>	<b>3.4000e-004</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>	<b>1.4400e-003</b>	<b>1.0000e-005</b>	<b>1.4500e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.1565</b>	<b>1.1565</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.1669</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	0.3891					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
<b>Total</b>	<b>0.3908</b>	<b>0.0117</b>	<b>0.0163</b>	<b>3.0000e-005</b>		<b>6.4000e-004</b>	<b>6.4000e-004</b>		<b>6.4000e-004</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>2.2979</b>	<b>2.2979</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.3014</b>

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**3.7 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.2000e-004	5.1400e-003	2.0000e-005	1.8000e-003	1.0000e-005	1.8100e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4456	1.4456	4.0000e-005	4.0000e-005	1.4586
<b>Total</b>	<b>6.1000e-004</b>	<b>4.2000e-004</b>	<b>5.1400e-003</b>	<b>2.0000e-005</b>	<b>1.8000e-003</b>	<b>1.0000e-005</b>	<b>1.8100e-003</b>	<b>4.8000e-004</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.4456</b>	<b>1.4456</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.4586</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	0.3891					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
<b>Total</b>	<b>0.3908</b>	<b>0.0117</b>	<b>0.0163</b>	<b>3.0000e-005</b>		<b>6.4000e-004</b>	<b>6.4000e-004</b>		<b>6.4000e-004</b>	<b>6.4000e-004</b>	<b>0.0000</b>	<b>2.2979</b>	<b>2.2979</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>2.3014</b>

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**3.7 Architectural Coating - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	4.2000e-004	5.1400e-003	2.0000e-005	1.8000e-003	1.0000e-005	1.8100e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	1.4456	1.4456	4.0000e-005	4.0000e-005	1.4586
<b>Total</b>	<b>6.1000e-004</b>	<b>4.2000e-004</b>	<b>5.1400e-003</b>	<b>2.0000e-005</b>	<b>1.8000e-003</b>	<b>1.0000e-005</b>	<b>1.8100e-003</b>	<b>4.8000e-004</b>	<b>1.0000e-005</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.4456</b>	<b>1.4456</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.4586</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4574	0.4924	4.0946	8.3500e-003	0.8874	6.6200e-003	0.8940	0.2368	6.1700e-003	0.2430	0.0000	784.8173	784.8173	0.0582	0.0365	797.1589
Unmitigated	0.4574	0.4924	4.0946	8.3500e-003	0.8874	6.6200e-003	0.8940	0.2368	6.1700e-003	0.2430	0.0000	784.8173	784.8173	0.0582	0.0365	797.1589

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	1,311.45	296.84	94.24	2,372,115	2,372,115
Parking Lot	0.00	0.00	0.00		
Unenclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>1,311.45</b>	<b>296.84</b>	<b>94.24</b>	<b>2,372,115</b>	<b>2,372,115</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Unenclosed Parking with	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
Parking Lot	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949

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Unenclosed Parking with Elevator	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	564.4682	564.4682	0.0345	4.1800e-003	566.5767
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	564.4682	564.4682	0.0345	4.1800e-003	566.5767
NaturalGas Mitigated	0.0170	0.1542	0.1295	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	167.8810	167.8810	3.2200e-003	3.0800e-003	168.8787
NaturalGas Unmitigated	0.0170	0.1542	0.1295	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	167.8810	167.8810	3.2200e-003	3.0800e-003	168.8787



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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	3.14597e+006	0.0170	0.1542	0.1295	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	167.8810	167.8810	3.2200e-003	3.0800e-003	168.8787
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0170</b>	<b>0.1542</b>	<b>0.1295</b>	<b>9.3000e-004</b>		<b>0.0117</b>	<b>0.0117</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>167.8810</b>	<b>167.8810</b>	<b>3.2200e-003</b>	<b>3.0800e-003</b>	<b>168.8787</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 - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	3.14597e+006	0.0170	0.1542	0.1295	9.3000e-004		0.0117	0.0117		0.0117	0.0117	0.0000	167.8810	167.8810	3.2200e-003	3.0800e-003	168.8787
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0170</b>	<b>0.1542</b>	<b>0.1295</b>	<b>9.3000e-004</b>		<b>0.0117</b>	<b>0.0117</b>		<b>0.0117</b>	<b>0.0117</b>	<b>0.0000</b>	<b>167.8810</b>	<b>167.8810</b>	<b>3.2200e-003</b>	<b>3.0800e-003</b>	<b>168.8787</b>

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

Land Use	Electricity Use kWh/yr	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
General Office Building	2.0324e+006	497.7962	0.0304	3.6900e-003	499.6556
Parking Lot	17080	4.1834	2.6000e-004	3.0000e-005	4.1990
Unenclosed Parking with Elevator	255127	62.4886	3.8200e-003	4.6000e-004	62.7220
<b>Total</b>		<b>564.4682</b>	<b>0.0345</b>	<b>4.1800e-003</b>	<b>566.5767</b>

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

**5.3 Energy by Land Use - Electricity**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	2.0324e+006	497.7962	0.0304	3.6900e-003	499.6556
Parking Lot	17080	4.1834	2.6000e-004	3.0000e-005	4.1990
Unenclosed Parking with Elevator	255127	62.4886	3.8200e-003	4.6000e-004	62.7220
<b>Total</b>		<b>564.4682</b>	<b>0.0345</b>	<b>4.1800e-003</b>	<b>566.5767</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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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
Category	tons/yr										MT/yr					
Mitigated	0.8139	6.0000e-005	6.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0122	0.0122	3.0000e-005	0.0000	0.0130
Unmitigated	0.8139	6.0000e-005	6.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0122	0.0122	3.0000e-005	0.0000	0.0130

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1883					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6251					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.8000e-004	6.0000e-005	6.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0122	0.0122	3.0000e-005	0.0000	0.0130
<b>Total</b>	<b>0.8139</b>	<b>6.0000e-005</b>	<b>6.2800e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0122</b>	<b>0.0122</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0130</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	tons/yr										MT/yr					
Architectural Coating	0.1883					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6251					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.8000e-004	6.0000e-005	6.2800e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0122	0.0122	3.0000e-005	0.0000	0.0130
<b>Total</b>	<b>0.8139</b>	<b>6.0000e-005</b>	<b>6.2800e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0122</b>	<b>0.0122</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0130</b>

**7.0 Water Detail**

**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	144.4404	0.9179	0.0225	174.0874
Unmitigated	144.4404	0.9179	0.0225	174.0874

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	27.9149 / 17.1091	144.4404	0.9179	0.0225	174.0874
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>144.4404</b>	<b>0.9179</b>	<b>0.0225</b>	<b>174.0874</b>

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

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	27.9149 / 17.1091	144.4404	0.9179	0.0225	174.0874
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>144.4404</b>	<b>0.9179</b>	<b>0.0225</b>	<b>174.0874</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**



9818 Scripps Health Headquarters - San Diego County APCD Air District, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	29.6509	1.7523	0.0000	73.4588
Unmitigated	29.6509	1.7523	0.0000	73.4588

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	146.07	29.6509	1.7523	0.0000	73.4588
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>29.6509</b>	<b>1.7523</b>	<b>0.0000</b>	<b>73.4588</b>

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

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	146.07	29.6509	1.7523	0.0000	73.4588
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>29.6509</b>	<b>1.7523</b>	<b>0.0000</b>	<b>73.4588</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

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

**11.0 Vegetation**

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# **Energy Calculations**

Phase	Worker Trips/Day	Worker Trip Length	Worker VMT/Day	Phase Length (Days)	Work VMT (Total)	Vendor Trips (Total)	Vendor Trip Length	Vendor VMT (Total)	Hauling Trips	Hauling Trip Length	Hauling VMT (Total)	
Demolition	15	10.8	162.00	20	3,240.00	0	7.3	0	137	20	2,740	
Site Preparation	18	10.8	194.40	5	972.00	0	7.3	0	0	20	0	
Grading	15	10.8	162.00	8	1,296.00	0	7.3	0	1,700	20	34,000	
Building Construction	126	10.8	1,360.80	230	312,984.00	55	7.3	401.5	0	20	0	
Paving	20	10.8	216.00	18	3,888.00	0	7.3	0	0	20	0	
Architectural Coatings	25	10.8	270.00	18	4,860.00	0	7.3	0	0	20	0	Total VMT
					327,240.00			401.50			36,740.00	364,381.50

EMFAC2017 (v1.0.2) Emissions Inventory

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: County

Region: San Diego

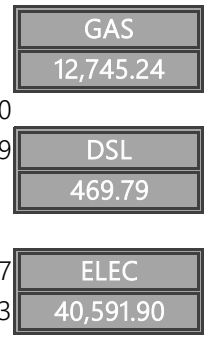
Calendar Year: 2023

Season: Annual

Vehicle Classification: EMFAC202x Categories

Units: miles/year for CVMT and EVMT, trips/year for Trips, kWh/year for Energy Consumption, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	CalYr	VehClass	Fuel	SD Population	Pop %	SD Total VMT	SD Fuel VMT	SD Elec VMT	Fuel Consumption (1,000 gal/day)	Fuel Efficiency (mpg)	Elec Efficiency (mpkWh)	Worker VMT	Total Fuel Consumption	Total kWh Consumption
San Diego	2023 LDA		Gasoline	1,187,996.79	57.5%	16,261,075,946.75	16,261,075,946.75	0.00	588,741.85	27.62		188,152.92	6,812.19	
San Diego	2023 LDA		Diesel	6,078.70	0.3%	65,704,207.72	65,704,207.72	0.00	1,658.11	39.63		962.73	24.30	
San Diego	2023 LDA		Electricity	54,726.41	2.6%	898,121,477.32	0.00	898,121,477.32	0.00		2.59	8,667.48		22,449.80
San Diego	2023 LDA		Plug-in Hybrid	29,516.95	1.4%	488,646,499.41	247,728,914.13	240,917,585.28	9,060.44	27.34	3.31	4,674.85	170.98	15,478.09
San Diego	2023 LDT1		Gasoline	133,484.82	6.5%	1,577,647,448.01	1,577,647,448.01	0.00	69,219.27	22.79		21,141.10	927.57	
San Diego	2023 LDT1		Diesel	67.23	0.0%	345,484.32	345,484.32	0.00	15.37	22.48		10.65	0.47	
San Diego	2023 LDT1		Electricity	204.70	0.0%	2,927,664.38	0.00	2,927,664.38	0.00		2.59	32.42		83.97
San Diego	2023 LDT1		Plug-in Hybrid	86.45	0.0%	1,557,592.44	717,013.70	840,578.74	26.32	27.24	3.31	13.69	0.50	45.33
San Diego	2023 LDT2		Gasoline	556,694.05	26.9%	7,695,838,509.36	7,695,838,509.36	0.00	348,409.84	22.09		88,168.26	3,991.60	
San Diego	2023 LDT2		Diesel	2,034.38	0.1%	29,751,952.58	29,751,952.58	0.00	1,011.94	29.40		322.20	10.96	
San Diego	2023 LDT2		Electricity	2,060.08	0.1%	27,352,900.70	0.00	27,352,900.70	0.00		2.59	326.27		845.08
San Diego	2023 LDT2		Plug-in Hybrid	3,222.13	0.2%	56,131,227.43	26,883,414.37	29,247,813.06	989.65	27.16	3.31	510.32	18.79	1,689.62
San Diego	2023 LHD1		Gasoline	42,544.80	2.1%	542,794,799.97	542,794,799.97	0.00	57,248.83	9.48		6,738.17	710.68	
San Diego	2023 LHD1		Diesel	30,039.88	1.5%	385,036,056.51	385,036,056.51	0.00	24,051.64	16.01		4,757.66	297.19	
San Diego	2023 LHD2		Gasoline	6,015.88	0.3%	75,127,985.36	75,127,985.36	0.00	8,905.60	8.44		952.78	112.94	
San Diego	2023 LHD2		Diesel	11,418.80	0.6%	153,179,543.95	153,179,543.95	0.00	11,592.54	13.21		1,808.49	136.87	



Region	CalYr	VehClass	Fuel	SD Population	Pop %	SD Total VMT	Fuel Consumption (1,000 gal/day)	Fuel Efficiency (mpg)	Delivery Total VMT	Delivery Fuel Consumption	Hauling Total VMT	Hauling Fuel Consumption
San Diego	2023 T7 CAIRP Class 8		Diesel	2,030.61	14.2%	129,400,116.84	21,432.25	6.04	56.99	344.06	5,214.64	31,484.11
San Diego	2023 T7 NNOOS Class 8		Diesel	1,819.18	12.7%	153,314,983.32	25,165.03	6.09	51.05	311.03	4,671.69	28,461.70
San Diego	2023 T7 NNOOS Class 8		Diesel	761.63	5.3%	55,696,610.10	9,243.51	6.03	21.37	128.79	1,955.89	11,785.15
San Diego	2023 T7 Other Port Class 8		Diesel	515.44	3.6%	30,178,754.58	5,091.00	5.93	14.47	85.75	1,323.66	7,846.47
San Diego	2023 T7 POLA Class 8		Diesel	230.68	1.6%	9,441,449.72	1,623.62	5.82	6.47	37.64	592.39	3,444.76
San Diego	2023 T7 Public Class 8		Diesel	1,509.66	10.6%	20,395,972.28	3,936.55	5.18	42.37	219.51	3,876.83	20,086.58
San Diego	2023 T7 Single Concrete/Transit Mix Class 8		Diesel	348.10	2.4%	7,724,872.27	1,330.28	5.81	9.77	56.73	893.92	5,190.96
San Diego	2023 T7 Single Dump Class 8		Diesel	831.27	5.8%	15,523,429.05	2,682.10	5.79	23.33	135.02	2,134.71	12,355.24
San Diego	2023 T7 Single Other Class 8		Diesel	1,571.13	11.0%	28,191,247.72	4,815.60	5.85	44.09	258.12	4,034.70	23,619.74
San Diego	2023 T7 SWCV Class 8		Diesel	622.87	4.4%	12,621,380.28	5,325.80	2.37	17.48	41.43	1,599.55	3,790.69
San Diego	2023 T7 Tractor Class 8		Diesel	3,923.80	27.4%	97,447,334.80	16,062.07	6.07	110.12	668.07	10,076.40	61,132.77
San Diego	2023 T7 Utility Class 8		Diesel	142.38	1.0%	2,049,469.00	354.40	5.78	4.00	23.11	365.62	2,114.38
										2,309.25		211,312.56

9891 Scripps Health Headquarters - Energy

Phase	Phase Length (Days)	Equipment	Amount	Daily Usage Hours	Total Usage Hours	Gallons per Hour	Fuel Used (Gallons)
Demolition	20	Concrete/Industrial Saw	1	8	160	1.38	221
	20	Excavators	3	8	480	3.13	1,503
	20	Rubber Tired Dozers	2	8	320	5.13	1,641
Site Preparation	5	Rubber Tired Dozers	3	8	120	5.13	615
	5	Tractors/Loaders/Backhoes	4	8	160	1.87	299
Grading	8	Excavator	1	8	64	3.13	200
	8	Grader	1	8	64	3.98	255
	8	Rubber Tired Dozer	1	8	64	5.13	328
	8	Tractors/Loaders/Backhoes	3	8	192	1.87	359
Building Construction	230	Crane	1	7	1,610	3.44	5,545
	230	Forklifts	3	8	5,520	2.09	11,560
	230	Generator Set	1	8	1,840	1.40	2,583
	230	Tractors/Loaders/Backhoes	3	7	4,830	1.87	9,039
	230	Welder	1	8	1,840	1.19	2,190
Paving	18	Cement and Mortar Mixers	2	6	216	1.38	299
	18	Paver	1	8	144	2.79	401
	18	Paving Equipment	2	6	216	2.43	525
	18	Rollers	2	6	216	1.59	344
	18	Tractors/Loaders/Backhoe	1	8	144	1.87	269
Architectural Coatings	18	Air Compressor	1	6	108	1.02	110
							38,288

9891 Scripps Health Headquarters - Energy

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: Air District

Region: SAN DIEGO COUNTY APCD

Calendar Year: 2022

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

Project Daily ADT	1,312	ADT	VMT	Gasoline	11,650.60	Diesel	289.53	Electric	332.41	Plug-In Hybrid	191.46	12,464.00
Project Daily VMT	12,464	VMT	Fuel Consumed (Gallons)		299,540.78		5,447.64	0.00			5,231.52	310,219.95
Project Annual VMT	2,372,115	VMT	Electricity Consumed (kWh)		0.00		0.00	860.99			633.92	1,494.90

Region	CalYr	VehClass	Fuel	SD Population	Pop %	SD Total VMT	SD Fuel VMT	SD Elec VMT	Fuel Consumption (1,000 gal/day)	Fuel Efficiency (mpg)	Elec Efficiency (mpkWh)	Daily VMT	Total Fuel Consumption	Total kWh Consumption
San Diego	2023	LDA	Gasoline	1,187,996.79	55.6%	16,261,075,946.75	16,261,075,946.75	0.00	588,741.85	27.62004438		6,929.23	191,385.63	0.00
San Diego	2023	LDA	Diesel	6,078.70	0.3%	65,704,207.72	65,704,207.72	0.00	1,658.11	39.626028		35.46	1,404.95	0.00
San Diego	2023	LDA	Electricity	54,726.41	2.6%	898,121,477.32	0.00	898,121,477.32	0.00		2.590119756	319.20	0.00	826.77
San Diego	2023	LDA	Plug-in Hybrid	29,516.95	1.4%	488,646,499.41	247,728,914.13	240,917,585.28	9,060.44	27.34181276	3.310931518	172.16	4,707.26	570.02
San Diego	2023	LDT1	Gasoline	133,484.82	6.2%	1,577,647,448.01	1,577,647,448.01	0.00	69,219.27	22.79202784		778.58	17,745.35	0.00
San Diego	2023	LDT1	Diesel	67.23	0.0%	345,484.32	345,484.32	0.00	15.37	22.48118928		0.39	8.82	0.00
San Diego	2023	LDT1	Electricity	204.70	0.0%	2,927,664.38	0.00	2,927,664.38	0.00		2.590119756	1.19	0.00	3.09
San Diego	2023	LDT1	Plug-in Hybrid	86.45	0.0%	1,557,592.44	717,013.70	840,578.74	26.32	27.24332358	3.310931518	0.50	13.74	1.67
San Diego	2023	LDT2	Gasoline	556,694.05	26.1%	7,695,838,509.36	7,695,838,509.36	0.00	348,409.84	22.08846469		3,247.03	71,721.90	0.00
San Diego	2023	LDT2	Diesel	2,034.38	0.1%	29,751,952.58	29,751,952.58	0.00	1,011.94	29.4008423		11.87	348.87	0.00
San Diego	2023	LDT2	Electricity	2,060.08	0.1%	27,352,900.70	0.00	27,352,900.70	0.00		2.590119756	12.02	0.00	31.12
San Diego	2023	LDT2	Plug-in Hybrid	3,222.13	0.2%	56,131,227.43	26,883,414.37	29,247,813.06	989.65	27.16450041	3.310931518	18.79	510.52	62.22
San Diego	2023	LHD1	Gasoline	42,544.80	2.0%	542,794,799.97	542,794,799.97	0.00	57,248.83	9.481324946		248.15	2,352.80	0.00
San Diego	2023	LHD1	Diesel	30,039.88	1.4%	385,036,056.51	385,036,056.51	0.00	24,051.64	16.00872208		175.21	2,804.95	0.00
San Diego	2023	LHD2	Gasoline	6,015.88	0.3%	75,127,985.36	75,127,985.36	0.00	8,905.60	8.436037261		35.09	296.01	0.00
San Diego	2023	LHD2	Diesel	11,418.80	0.5%	153,179,543.95	153,179,543.95	0.00	11,592.54	13.21363616		66.60	880.06	0.00
San Diego	2023	MCY	Gasoline	70,725.49	3.3%	150,534,118.04	150,534,118.04	0.00	3,871.69	38.88072238		412.52	16,039.10	0.00
												12,464.00	310,219.95	1,494.90





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Model Output: OFFROAD2021 (v1.0.2) Emissions Inventory

Region Type: County

Region: San Diego

Calendar Year: 2023

Scenario: All Adopted Rules - Exhaust

Vehicle Classification: OFFROAD2021 Equipment Types

Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower Bin	Fuel	Fuel Consumption	Total_Activity_hpy	Gallons per Hour
San Diego	2023	Construction and Mining - Bore/Drill Rigs	Aggregate	Aggregate	Diesel	213,732.28	37,257.79	5.74
San Diego	2023	Construction and Mining - Cranes	Aggregate	Aggregate	Diesel	505,662.29	146,812.26	3.44
San Diego	2023	Construction and Mining - Crawler Tractors	Aggregate	Aggregate	Diesel	1,248,943.91	265,191.05	4.71
San Diego	2023	Construction and Mining - Excavators	Aggregate	Aggregate	Diesel	2,248,287.75	718,196.67	3.13
San Diego	2023	Construction and Mining - Graders	Aggregate	Aggregate	Diesel	844,385.02	212,177.59	3.98
San Diego	2023	Construction and Mining - Misc - Asphalt Pavers	Aggregate	Aggregate	Gasoline	10,950.07	3,810.60	2.87
San Diego	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	Aggregate	Gasoline	8,822.10	1,397.95	6.31
San Diego	2023	Construction and Mining - Misc - Bore/Drill Rigs	Aggregate	Aggregate	Diesel	0.60	0.00	
San Diego	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	Aggregate	Gasoline	511.19	0.00	
San Diego	2023	Construction and Mining - Misc - Cement And Mortar Mixers	Aggregate	Aggregate	Diesel	0.89	0.00	
San Diego	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Gasoline	24,713.52	6,978.80	3.54
San Diego	2023	Construction and Mining - Misc - Concrete/Industrial Saws	Aggregate	Aggregate	Diesel	3,620.90	2,617.05	1.38
San Diego	2023	Construction and Mining - Misc - Cranes	Aggregate	Aggregate	Gasoline	8,259.95	2,814.15	2.94
San Diego	2023	Construction and Mining - Misc - Crushing/Proc. Equipment	Aggregate	Aggregate	Gasoline	3.32	0.00	
San Diego	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	Aggregate	Gasoline	11,235.79	31,386.35	0.36
San Diego	2023	Construction and Mining - Misc - Dumpers/Tenders	Aggregate	Aggregate	Diesel	0.07	0.00	
San Diego	2023	Construction and Mining - Misc - Excavators	Aggregate	Aggregate	Diesel	0.51	0.00	
San Diego	2023	Construction and Mining - Misc - Other	Aggregate	Aggregate	Gasoline	12,625.35	2,303.15	5.48
San Diego	2023	Construction and Mining - Misc - Other	Aggregate	Aggregate	Diesel	16,594.79	34,456.00	0.48
San Diego	2023	Construction and Mining - Misc - Pavers	Aggregate	Aggregate	Diesel	0.13	0.00	
San Diego	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	Aggregate	Gasoline	10,348.67	3,781.40	2.74
San Diego	2023	Construction and Mining - Misc - Paving Equipment	Aggregate	Aggregate	Diesel	0.23	0.00	
San Diego	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	Aggregate	Gasoline	75,280.26	239,012.95	0.31
San Diego	2023	Construction and Mining - Misc - Plate Compactors	Aggregate	Aggregate	Diesel	4,909.89	24,925.85	0.20
San Diego	2023	Construction and Mining - Misc - Rollers	Aggregate	Aggregate	Gasoline	31,087.46	7,924.15	3.92
San Diego	2023	Construction and Mining - Misc - Rollers	Aggregate	Aggregate	Diesel	3.91	0.00	
San Diego	2023	Construction and Mining - Misc - Rough Terrain Forklifts	Aggregate	Aggregate	Gasoline	58,458.40	11,475.60	5.09
San Diego	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	Aggregate	Gasoline	30,941.05	8,665.10	3.57
San Diego	2023	Construction and Mining - Misc - Rubber Tired Loaders	Aggregate	Aggregate	Diesel	0.09	0.00	
San Diego	2023	Construction and Mining - Misc - Signal Boards	Aggregate	Aggregate	Gasoline	2,302.00	3,989.45	0.58
San Diego	2023	Construction and Mining - Misc - Signal Boards	Aggregate	Aggregate	Diesel	78,302.46	273,359.45	0.29
San Diego	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	Aggregate	Gasoline	83,971.38	29,962.85	2.80
San Diego	2023	Construction and Mining - Misc - Skid Steer Loaders	Aggregate	Aggregate	Diesel	26.44	0.00	
San Diego	2023	Construction and Mining - Misc - Surfacing Equipment	Aggregate	Aggregate	Gasoline	420.27	0.00	
San Diego	2023	Construction and Mining - Misc - Tampers/Rammers	Aggregate	Aggregate	Gasoline	14,084.60	65,689.05	0.21
San Diego	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	Aggregate	Gasoline	19,866.95	6,789.00	2.93
San Diego	2023	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Aggregate	Aggregate	Diesel	2.44	0.00	
San Diego	2023	Construction and Mining - Misc - Trenchers	Aggregate	Aggregate	Gasoline	58,349.86	21,615.30	2.70
San Diego	2023	Construction and Mining - Misc - Trenchers	Aggregate	Aggregate	Diesel	3.29	0.00	
San Diego	2023	Construction and Mining - Off-Highway Tractors	Aggregate	Aggregate	Diesel	476,001.35	168,370.91	2.83
San Diego	2023	Construction and Mining - Off-Highway Trucks	Aggregate	Aggregate	Diesel	2,857,734.01	358,358.10	7.97
San Diego	2023	Construction and Mining - Other	Aggregate	Aggregate	Diesel	637,752.83	171,214.75	3.72
San Diego	2023	Construction and Mining - Pavers	Aggregate	Aggregate	Diesel	149,955.53	53,797.31	2.79
San Diego	2023	Construction and Mining - Paving Equipment	Aggregate	Aggregate	Diesel	87,248.40	35,904.28	2.43
San Diego	2023	Construction and Mining - Rollers	Aggregate	Aggregate	Diesel	388,929.06	244,006.35	1.59
San Diego	2023	Construction and Mining - Rough Terrain Forklifts	Aggregate	Aggregate	Diesel	422,457.73	201,722.35	2.09
San Diego	2023	Construction and Mining - Rubber Tired Dozers	Aggregate	Aggregate	Diesel	249,478.09	48,660.44	5.13
San Diego	2023	Construction and Mining - Rubber Tired Loaders	Aggregate	Aggregate	Diesel	3,436,473.28	908,769.97	3.78
San Diego	2023	Construction and Mining - Scrapers	Aggregate	Aggregate	Diesel	2,235,690.97	243,829.46	9.17
San Diego	2023	Construction and Mining - Skid Steer Loaders	Aggregate	Aggregate	Diesel	409,511.95	322,696.28	1.27
San Diego	2023	Construction and Mining - Surfacing Equipment	Aggregate	Aggregate	Diesel	46,992.02	11,446.92	4.11
San Diego	2023	Construction and Mining - Tractors/Loaders/Backhoes	Aggregate	Aggregate	Diesel	3,130,128.91	1,672,654.73	1.87
San Diego	2023	Construction and Mining - Trenchers	Aggregate	Aggregate	Diesel	129,204.58	60,908.20	2.12
San Diego	2023	Industrial - Forklifts	Aggregate	Aggregate	Diesel	841,412.02	900,199.90	0.93
San Diego	2023	Light Commercial - Misc - Air Compressors	Aggregate	Aggregate	Diesel	74,645.82	73,083.95	1.02
San Diego	2023	Light Commercial - Misc - Generator Sets	Aggregate	Aggregate	Diesel	206,506.77	147,105.95	1.40
San Diego	2023	Light Commercial - Misc - Welders	Aggregate	Aggregate	Diesel	342,920.68	288,163.85	1.19

# **Health Risk Screening Assessment**

## Health Risk Screening Assessment

### *Methodology*

Construction of the project would result in short-term diesel exhaust emissions from on-site heavy-duty equipment. Other construction-related sources of DPM include material delivery trucks and construction worker vehicles; however, these sources are minimal relative to construction equipment. Not all construction worker vehicles would be diesel-fueled and most DPM emissions associated with material delivery trucks and construction worker vehicles would occur off-site.

The operational sources of PM<sub>10</sub> exhaust include natural gas combustion, mobile sources, and landscaping equipment. Natural gas is not a source of DPM and therefore was not considered in the analysis of health risks from exposure to TACs. Mobile emissions would largely occur off-site. On-site vehicle emissions would only occur as vehicles arrive, park, and depart. In addition, the project would not include the use of a substantial number of heavy-duty diesel trucks, but only occasional moving trucks, trash trucks, or delivery trucks. Health risks associated with exposure to vehicle exhaust were calculated assuming 5 percent of the total vehicle PM<sub>10</sub> exhaust emissions would occur on-site. Not all vehicles would be diesel-fueled. Based on EMFAC2021, approximately 12 percent of vehicle fuel consumed would be diesel. This was factored into the calculation. Landscape equipment would result in DPM emissions if the equipment used is diesel-powered. PM<sub>10</sub> exhaust emissions from landscaping equipment were included in the analysis.

For purposes of analyzing toxic air contaminant emissions and their impact on sensitive receptors, the maximum annual PM<sub>10</sub> emissions from equipment exhaust were used to develop an average daily emission rate. The exhaust emissions were calculated by CalEEMod, and the maximum annual DPM concentration was calculated using AERSCREEN. AERSCREEN calculates a worst-case maximum 1-hour concentration at a specific distance and specific angle from the source. The maximum 1-hour concentration is then converted to an annual concentration using a 0.08 conversion factor (U.S. Environmental Protection Agency [U.S. EPA] 1992).

Once the dispersed concentrations of diesel particulates are estimated in the surrounding air, they are used to evaluate estimated exposure to people. Exposure is evaluated by calculating the dose in milligrams per kilogram body weight per day (mg/kg/d). For residential exposure, the breathing rates are determined for specific age groups, so inhalation dose (Dose-air) is calculated for each of these age groups: third trimester of pregnancy, 0<2, 2<9, 2<16, 16<30 and 16–70 years. The equation for dose through inhalation (Dose-air) is as follows:

$$\text{Dose-air} = (C_{\text{air}} \times \text{DBR} \times A \times \text{EF} \times 10^{-6});$$

Where:

- Dose-air = Chronic daily intake, mg/kg/d
- C<sub>air</sub> = Ground-level concentration of toxic air contaminants to which the receptor is exposed, micrograms/cubic meter
- DBR = Daily breathing rate, normalized to body weight (liters per kilogram body weight per day (Office of Environmental Health Hazard Assessment [OEHHA] 2015)
- A = Inhalation absorption factor (OEHHA recommended factor of 1)

EF = Exposure frequency, days/year (OEHHA recommended factor of 0.96 for resident and 0.68 for workers)

Cancer risk is calculated by multiplying the daily inhalation or oral dose, by a cancer potency factor, the age sensitivity factor, the frequency of time spent at home and the exposure duration divided by averaging time, to yield the excess cancer risk. The excess cancer risk is calculated separately for each age grouping and then summed to yield cancer risk for any given location. The worst-case cancer risk is calculated as follows:

Excess Cancer Risk = Dose-air × CPF × ASF × ED/AT × FAH;

Where:

Dose-air = Chronic daily intake, mg/kg body weight per day  
CPF = Cancer potency factor (mg/kg/d)  
ASF = Age sensitivity factor  
ED = Exposure duration (years)  
AT = Averaging time for lifetime cancer risk (years)  
FAH = Fraction of time at home

Non-cancer risks are defined as chronic or acute. With respect to DPM only chronic risks are calculated and are determined by the hazard index. To calculate hazard index, DPM concentration is divided by its chronic Reference Exposure Levels. Where the total equals or exceeds one, a health hazard is presumed to exist.

In this analysis, non-carcinogenic impacts are evaluated for chronic exposure inhalation exposure. Estimates of health impacts from non-carcinogenic concentrations are expressed as a hazard quotient (HQ) for individual substances, such as diesel particulate. An HQ of one or less indicates that adverse health effects are not expected to result from exposure to emissions of that substance. Reference Exposure Levels are defined as the concentration at which no adverse health effects are anticipated. Generally, the inhalation pathway is the largest contributor to the total dose. The HQ is calculated with the following equation:

HQ = Ground-Level Concentration ( $\mu\text{g}/\text{m}^3$ )/Reference Exposure Level ( $\mu\text{g}/\text{m}^3$ )

### *Construction*

Based on the CalEEMod calculations for project construction, the project would result in on-site maximum annual emissions of 0.0632 ton of PM<sub>10</sub> exhaust. This maximum annual emissions rate was modeled over the entire 14-month construction period, and therefore is a conservative assessment. Based on AERSCREEN modeling results, the maximum 1-hour ground-level DPM concentration from construction activities would be 0.0299 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). This was converted to an annual average concentration of 0.00239  $\mu\text{g}/\text{m}^3$  using a conversion factor of 0.08 (U.S. EPA 1992). The resulting annual concentration was used in the equations discussed above. Using this methodology, it was calculated that the excess 30-year cancer risk would be 0.50 in a million. AERSCREEN. DPM generated by project construction is not expected to create conditions where the

probability is greater than 10 in 1 million of contracting cancer. Additionally, the HQ would be 0.0005, which is less than one. Therefore, the project would not expose sensitive receptors to substantial pollutant concentrations associated with diesel particulate matter during construction that could result in excess cancer risks, and impacts would be less than significant.

It should also be noted that all construction equipment is subject to the CARB In-Use Off-Road Diesel-Fueled Fleets Regulation. This regulation, which applies to all off-road diesel vehicles 25 horsepower or greater, limits unnecessary idling to five minutes, requires all construction fleets to be labeled and reported to CARB, bans Tier 0 equipment and phases out Tier 1 and 2 equipment (thereby replacing fleets with cleaner equipment), and requires that fleets comply with Best Available Control Technology requirements.

### *Operation*

Based on the CalEEMod calculations for project operation, the project would result in total mobile PM<sub>10</sub> exhaust emissions of 0.00792 tons per year. A majority of these emissions would occur off-site and should not be included in the health risk assessment. Assuming diesel would make up 12 percent of total vehicle fuel consumption and 5 percent of the trip length would occur on-site results in PM<sub>10</sub> exhaust emissions of 0.00004752 tons per year. Based on the CalEEMod calculations for project operation, the project would result in total PM<sub>10</sub> exhaust emissions of 0.00002 tons per year from landscaping equipment. It was assumed all landscaping equipment would be diesel powered. Based on AERSCREEN modeling results, the maximum 1-hour ground-level DPM concentration from operation would be 0.0000324 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ). This was converted to an annual average concentration of 0.00000259  $\mu\text{g}/\text{m}^3$  using a conversion factor of 0.08 (U.S. EPA 1992). The resulting annual concentration was used in the equations discussed above. Using this methodology, it was calculated that the excess 30-year cancer risk would be 0.002 in a million. AERSCREEN. DPM generated by project construction is not expected to create conditions where the probability is greater than 10 in 1 million of contracting cancer. Additionally, the HQ would be 0.000001, which is less than one. Therefore, the project would not expose sensitive receptors to substantial pollutant concentrations associated with diesel particulate matter during operation that could result in excess cancer risks, and impacts would be less than significant.

### *Combined Construction and Operation*

Based on the results above, the total excess 30-year cancer risk due to on-site construction and operational sources of DPM would be 0.502 in a million, and the HQ would be 0.000501. DPM generated by project construction and operation is not expected to create conditions where the probability is greater than 10 in 1 million of contracting cancer or an HQ greater than one. Therefore, the project would not expose sensitive receptors to substantial pollutant concentrations associated with diesel particulate matter that could result in excess cancer risks, and impacts would be less than significant.

Construction Health Risk Calculations

Annual PM Exhaust Generation

Annual Tons/Year	Pounds/year	lbs/day	lbs/hr	g/day	sec/day	g/sec
0.0632	126.4	3.46E-01	1.44E-02	157	86,400	1.82E-03

Max 1-hour concentration	2.99E-02 $\mu\text{g}/\text{m}^3$
Annualized average concentration (0.08)	2.39E-03 $\mu\text{g}/\text{m}^3$

Onsite Maximum Exposure	3rd Trimester	0<2	2<9	2<16	16<30	16-70
Cair	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.39E-03
DBR	361	1090	861	745	335	290
A	1	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96	0.96
Dose-air	8.29E-07	2.50E-06	1.98E-06	1.71E-06	7.69E-07	6.66E-07
CPF	1.10	1.10	1.10	1.10	1.10	1.10
ASF	10	10	3	3	1	1
ED (years of construction = 1.17)	0.25	1.167	1.167	1.167	1.167	1.167
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	0.73
<b>Risk in 1 mill</b>	<b>0.03</b>	<b>0.39</b>	<b>0.08</b>	<b>0.07</b>	<b>0.01</b>	<b>0.01</b>
	5.00	5.00	5.00	5.00	5.00	5.00
<b>Chronic Exposure</b>	<b>0.0005</b>	<b>0.0005</b>	<b>0.0005</b>	<b>0.0005</b>	<b>0.0005</b>	<b>0.0005</b>
0-9	0.50	2.58				
0-30	0.50	3.75				
0-70	0.49	3.75				

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TITLE: Scripps Health Construction

\*\*\*\*\* VOLUME PARAMETERS \*\*\*\*\*

SOURCE EMISSION RATE: 0.182E-02 g/s 0.144E-01 lb/hr  
VOLUME HEIGHT: 5.00 meters 16.40 feet  
INITIAL LATERAL DIMENSION: 175.00 meters 574.15 feet  
INITIAL VERTICAL DIMENSION: 88.00 meters 288.71 feet  
RURAL OR URBAN: URBAN  
POPULATION: 50000

FLAGPOLE RECEPTOR HEIGHT: 1.50 meters 4.92 feet

INITIAL PROBE DISTANCE = 5000. meters 16404. feet

\*\*\*\*\* BUILDING DOWNWASH PARAMETERS \*\*\*\*\*

BUILDING DOWNWASH NOT USED FOR NON-POINT SOURCES

\*\*\*\*\* PROBE ANALYSIS \*\*\*\*\*

25 meter receptor spacing: 377. meters - 5000. meters

Zo	ROUGHNESS	1-HR CONC	DIST	TEMPORAL
SECTOR	LENGTH	(ug/m3)	(m)	PERIOD
1*	1.000	0.2992E-01	377.2	WIN

\* = worst case flow sector

\*\*\*\*\* MAKEMET METEOROLOGY PARAMETERS \*\*\*\*\*

MIN/MAX TEMPERATURE: 250.0 / 310.0 (K)

MINIMUM WIND SPEED: 0.5 m/s

ANEMOMETER HEIGHT: 10.000 meters

SURFACE CHARACTERISTICS INPUT: AERMET SEASONAL TABLES

DOMINANT SURFACE PROFILE: Urban  
DOMINANT CLIMATE TYPE: Average Moisture  
DOMINANT SEASON: Winter

ALBEDO: 0.35  
BOWEN RATIO: 1.50  
ROUGHNESS LENGTH: 1.000 (meters)

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

YR MO DY JDY HR

10 01 16 16 01

H0 U\* W\* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO REF WS  
-0.41 0.043 -9.000 0.020 -999. 21. 19.3 1.000 1.50 0.35 0.50

HT REF TA HT  
-----  
10.0 310.0 2.0

METEOROLOGY CONDITIONS USED TO PREDICT AMBIENT BOUNDARY IMPACT  
-----

YR MO DY JDY HR  
-----  
10 01 16 16 01

H0 U\* W\* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO REF WS  
-----  
-0.41 0.043 -9.000 0.020 -999. 21. 19.3 1.000 1.50 0.35 0.50

HT REF TA HT  
-----  
10.0 310.0 2.0

\*\*\*\*\* AERSCREEN AUTOMATED DISTANCES \*\*\*\*\*  
OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE  
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MAXIMUM		MAXIMUM	
DIST	1-HR CONC	DIST	1-HR CONC
(m)	(ug/m3)	(m)	(ug/m3)
377.25	0.2992E-01	2700.00	0.9795E-02
400.00	0.2881E-01	2725.00	0.9741E-02
425.00	0.2770E-01	2750.00	0.9689E-02
450.00	0.2670E-01	2775.00	0.9636E-02
475.00	0.2579E-01	2800.00	0.9585E-02
500.00	0.2495E-01	2825.00	0.9533E-02
525.00	0.2418E-01	2850.00	0.9483E-02
550.00	0.2346E-01	2875.00	0.9433E-02
575.00	0.2279E-01	2900.00	0.9383E-02
600.00	0.2217E-01	2925.00	0.9335E-02
625.00	0.2159E-01	2950.00	0.9286E-02
650.00	0.2104E-01	2975.00	0.9238E-02
675.00	0.2053E-01	3000.00	0.9191E-02
700.00	0.2004E-01	3025.00	0.9144E-02
725.00	0.1958E-01	3050.00	0.9098E-02
750.00	0.1915E-01	3075.00	0.9052E-02
775.00	0.1874E-01	3100.00	0.9007E-02
800.00	0.1835E-01	3125.00	0.8962E-02
825.00	0.1797E-01	3150.00	0.8918E-02
850.00	0.1762E-01	3175.00	0.8874E-02
875.00	0.1728E-01	3200.00	0.8831E-02
900.00	0.1695E-01	3225.00	0.8788E-02
925.00	0.1664E-01	3250.00	0.8745E-02
950.00	0.1635E-01	3275.00	0.8703E-02
975.00	0.1606E-01	3300.00	0.8661E-02
1000.00	0.1579E-01	3325.00	0.8620E-02
1025.00	0.1565E-01	3350.00	0.8579E-02
1050.00	0.1551E-01	3375.00	0.8539E-02
1075.00	0.1537E-01	3400.00	0.8499E-02
1100.00	0.1524E-01	3425.00	0.8459E-02
1125.00	0.1511E-01	3450.00	0.8420E-02
1150.00	0.1498E-01	3475.00	0.8381E-02
1175.00	0.1485E-01	3500.00	0.8342E-02
1200.00	0.1472E-01	3525.00	0.8304E-02
1225.00	0.1460E-01	3550.00	0.8267E-02
1250.00	0.1448E-01	3575.00	0.8229E-02
1275.00	0.1436E-01	3600.00	0.8192E-02
1300.00	0.1424E-01	3625.00	0.8155E-02
1325.00	0.1413E-01	3650.00	0.8119E-02
1350.00	0.1401E-01	3675.00	0.8083E-02
1375.00	0.1390E-01	3700.00	0.8048E-02



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1400.00	0.1379E-01	3725.00	0.8012E-02
1425.00	0.1368E-01	3750.00	0.7977E-02
1450.00	0.1358E-01	3775.00	0.7943E-02
1475.00	0.1347E-01	3800.00	0.7908E-02
1500.00	0.1337E-01	3825.00	0.7874E-02
1525.00	0.1327E-01	3850.00	0.7840E-02
1550.00	0.1317E-01	3875.00	0.7807E-02
1575.00	0.1307E-01	3900.00	0.7774E-02
1600.00	0.1297E-01	3925.00	0.7741E-02
1625.00	0.1287E-01	3950.00	0.7708E-02
1650.00	0.1278E-01	3975.00	0.7676E-02
1675.00	0.1269E-01	4000.00	0.7644E-02
1700.00	0.1260E-01	4025.00	0.7613E-02
1725.00	0.1251E-01	4050.00	0.7581E-02
1750.00	0.1242E-01	4075.00	0.7550E-02
1775.00	0.1233E-01	4100.00	0.7519E-02
1800.00	0.1224E-01	4125.00	0.7489E-02
1825.00	0.1216E-01	4150.00	0.7458E-02
1850.00	0.1207E-01	4175.00	0.7428E-02
1875.00	0.1199E-01	4200.00	0.7398E-02
1900.00	0.1191E-01	4225.00	0.7369E-02
1925.00	0.1183E-01	4250.00	0.7339E-02
1950.00	0.1175E-01	4275.00	0.7310E-02
1975.00	0.1167E-01	4300.00	0.7282E-02
2000.00	0.1159E-01	4325.00	0.7253E-02
2025.00	0.1152E-01	4350.00	0.7225E-02
2050.00	0.1144E-01	4375.00	0.7196E-02
2075.00	0.1137E-01	4400.00	0.7169E-02
2100.00	0.1130E-01	4425.00	0.7141E-02
2125.00	0.1122E-01	4450.00	0.7113E-02
2150.00	0.1115E-01	4475.00	0.7086E-02
2175.00	0.1108E-01	4500.00	0.7059E-02
2200.00	0.1101E-01	4525.00	0.7032E-02
2225.00	0.1094E-01	4550.00	0.7006E-02
2250.00	0.1088E-01	4575.00	0.6979E-02
2275.00	0.1081E-01	4600.00	0.6953E-02
2300.00	0.1074E-01	4625.00	0.6927E-02
2325.00	0.1068E-01	4650.00	0.6902E-02
2350.00	0.1061E-01	4675.00	0.6876E-02
2375.00	0.1055E-01	4700.00	0.6851E-02
2400.00	0.1049E-01	4725.00	0.6826E-02
2425.00	0.1043E-01	4750.00	0.6801E-02
2450.00	0.1037E-01	4775.00	0.6776E-02
2475.00	0.1031E-01	4800.00	0.6751E-02
2500.00	0.1025E-01	4825.00	0.6727E-02
2525.00	0.1019E-01	4850.00	0.6703E-02
2550.00	0.1013E-01	4875.00	0.6679E-02
2575.00	0.1007E-01	4900.00	0.6655E-02
2600.00	0.1002E-01	4925.00	0.6631E-02
2625.00	0.9959E-02	4950.00	0.6608E-02
2650.00	0.9904E-02	4975.00	0.6584E-02
2675.00	0.9849E-02	5000.00	0.6561E-02

\*\*\*\*\* AERSCREEN MAXIMUM IMPACT SUMMARY \*\*\*\*\*

CALCULATION PROCEDURE	MAXIMUM 1-HOUR CONC (ug/m3)	SCALED 3-HOUR CONC (ug/m3)	SCALED 8-HOUR CONC (ug/m3)	SCALED 24-HOUR CONC (ug/m3)	SCALED ANNUAL CONC (ug/m3)
FLAT TERRAIN	2.99E-02	2.99E-02	2.69E-02	1.80E-02	2.99E-03

DISTANCE FROM SOURCE 377.25 meters

IMPACT AT THE  
AMBIENT BOUNDARY 0.2992E-01 0.2992E-01 0.2693E-01 0.1795E-01 0.2992E-02

DISTANCE FROM SOURCE 377.25 meters

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Operation Health Risk Calculations

Annual PM Exhaust Generation

	Annual Tons/Year	Pounds/year	lbs/day	lbs/hr	g/day	sec/day	g/sec
Landscape Equipment	0.00002	0.04	1.10E-04	4.57E-06	0.05	86,400	5.75E-07
Diesel Vehicles	0.00004752	0.09504	2.60E-04	1.08E-05	0.12	86,400	1.37E-06
						Total	1.94E-06
Max 1-hour concentration	3.24E-05	µg/m <sup>3</sup>					
Annualized average concentration (0.08)	2.59E-06	µg/m <sup>3</sup>					

Onsite Maximum Exposure

	3rd Trimester	0<2	2<9	2<16	16<30	16-70
Cair	2.59E-06	2.59E-06	2.59E-06	2.59E-06	2.59E-06	2.59E-06
DBR	361	1090	861	745	335	290
A	1	1	1	1	1	1
EF	0.96	0.96	0.96	0.96	0.96	0.96
Dose-air	8.98E-10	2.71E-09	2.14E-09	1.85E-09	8.34E-10	7.22E-10
CPF	1.10	1.10	1.10	1.10	1.10	1.10
ASF	10	10	3	3	1	1
ED	0.25	2.000	7.000	14.000	14.000	54.000
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	0.73
Risk in 1 mill	0.00	0.00	0.00	0.00	0.00	0.00
	5.00	5.00	5.00	5.00	5.00	5.00
Chronic Exposure	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
0-9	0.00126	9.25				
0-30	0.00177	30.25				
0-70	0.00208	70.25				

AERSCREEN 11126 / AERMOD 1206 07/06/22  
15:13:27

TITLE: SCRIPPS HEALTH OPERATION

\*\*\*\*\* VOLUME PARAMETERS \*\*\*\*\*

SOURCE EMISSION RATE: 0.194E-05 g/s 0.154E-04 lb/hr  
VOLUME HEIGHT: 1.50 meters 4.92 feet  
INITIAL LATERAL DIMENSION: 175.00 meters 574.15 feet  
INITIAL VERTICAL DIMENSION: 88.00 meters 288.71 feet  
RURAL OR URBAN: URBAN  
POPULATION: 50000

FLAGPOLE RECEPTOR HEIGHT: 1.50 meters 4.92 feet

INITIAL PROBE DISTANCE = 5000. meters 16404. feet

\*\*\*\*\* BUILDING DOWNWASH PARAMETERS \*\*\*\*\*

BUILDING DOWNWASH NOT USED FOR NON-POINT SOURCES

\*\*\*\*\* PROBE ANALYSIS \*\*\*\*\*

25 meter receptor spacing: 377. meters - 5000. meters

Zo	ROUGHNESS	1-HR CONC	DIST	TEMPORAL
SECTOR	LENGTH	(ug/m3)	(m)	PERIOD
1*	1.000	0.3240E-04	377.2	WIN

\* = worst case flow sector

\*\*\*\*\* MAKEMET METEOROLOGY PARAMETERS \*\*\*\*\*

MIN/MAX TEMPERATURE: 250.0 / 310.0 (K)

MINIMUM WIND SPEED: 0.5 m/s

ANEMOMETER HEIGHT: 10.000 meters

SURFACE CHARACTERISTICS INPUT: AERMET SEASONAL TABLES

DOMINANT SURFACE PROFILE: Urban  
DOMINANT CLIMATE TYPE: Average Moisture  
DOMINANT SEASON: Winter

ALBEDO: 0.35  
BOWEN RATIO: 1.50  
ROUGHNESS LENGTH: 1.000 (meters)

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

YR MO DY JDY HR

10 01 16 16 01

H0 U\* W\* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO REF WS  
-0.41 0.043 -9.000 0.020 -999. 21. 19.3 1.000 1.50 0.35 0.50

HT REF TA HT  
-----  
10.0 310.0 2.0

METEOROLOGY CONDITIONS USED TO PREDICT AMBIENT BOUNDARY IMPACT  
-----

YR MO DY JDY HR  
-----  
10 01 16 16 01

H0 U\* W\* DT/DZ ZICNV ZIMCH M-O LEN Z0 BOWEN ALBEDO REF WS  
-----  
-0.41 0.043 -9.000 0.020 -999. 21. 19.3 1.000 1.50 0.35 0.50

HT REF TA HT  
-----  
10.0 310.0 2.0

\*\*\*\*\* AERSCREEN AUTOMATED DISTANCES \*\*\*\*\*  
OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE  
-----

MAXIMUM		MAXIMUM	
DIST	1-HR CONC	DIST	1-HR CONC
(m)	(ug/m3)	(m)	(ug/m3)
377.25	0.3240E-04	2700.00	0.1334E-04
400.00	0.3125E-04	2725.00	0.1328E-04
425.00	0.3010E-04	2750.00	0.1322E-04
450.00	0.2907E-04	2775.00	0.1317E-04
475.00	0.2812E-04	2800.00	0.1311E-04
500.00	0.2726E-04	2825.00	0.1305E-04
525.00	0.2647E-04	2850.00	0.1299E-04
550.00	0.2574E-04	2875.00	0.1294E-04
575.00	0.2506E-04	2900.00	0.1288E-04
600.00	0.2442E-04	2925.00	0.1282E-04
625.00	0.2383E-04	2950.00	0.1277E-04
650.00	0.2328E-04	2975.00	0.1271E-04
675.00	0.2275E-04	3000.00	0.1266E-04
700.00	0.2226E-04	3025.00	0.1260E-04
725.00	0.2180E-04	3050.00	0.1255E-04
750.00	0.2136E-04	3075.00	0.1250E-04
775.00	0.2095E-04	3100.00	0.1245E-04
800.00	0.2055E-04	3125.00	0.1239E-04
825.00	0.2018E-04	3150.00	0.1234E-04
850.00	0.1982E-04	3175.00	0.1229E-04
875.00	0.1965E-04	3200.00	0.1224E-04
900.00	0.1953E-04	3225.00	0.1219E-04
925.00	0.1941E-04	3250.00	0.1214E-04
950.00	0.1929E-04	3275.00	0.1209E-04
975.00	0.1917E-04	3300.00	0.1204E-04
1000.00	0.1905E-04	3325.00	0.1199E-04
1025.00	0.1894E-04	3350.00	0.1194E-04
1050.00	0.1882E-04	3375.00	0.1190E-04
1075.00	0.1871E-04	3400.00	0.1185E-04
1100.00	0.1860E-04	3425.00	0.1180E-04
1125.00	0.1849E-04	3450.00	0.1175E-04
1150.00	0.1838E-04	3475.00	0.1171E-04
1175.00	0.1828E-04	3500.00	0.1166E-04
1200.00	0.1817E-04	3525.00	0.1162E-04
1225.00	0.1806E-04	3550.00	0.1157E-04
1250.00	0.1796E-04	3575.00	0.1152E-04
1275.00	0.1786E-04	3600.00	0.1148E-04
1300.00	0.1775E-04	3625.00	0.1144E-04
1325.00	0.1765E-04	3650.00	0.1139E-04
1350.00	0.1755E-04	3675.00	0.1135E-04
1375.00	0.1745E-04	3700.00	0.1130E-04

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1400.00	0.1735E-04	3725.00	0.1126E-04
1425.00	0.1726E-04	3750.00	0.1122E-04
1450.00	0.1716E-04	3775.00	0.1118E-04
1475.00	0.1706E-04	3800.00	0.1113E-04
1500.00	0.1697E-04	3825.00	0.1109E-04
1525.00	0.1687E-04	3850.00	0.1105E-04
1550.00	0.1678E-04	3875.00	0.1101E-04
1575.00	0.1669E-04	3900.00	0.1097E-04
1600.00	0.1660E-04	3925.00	0.1093E-04
1625.00	0.1651E-04	3950.00	0.1089E-04
1650.00	0.1642E-04	3975.00	0.1085E-04
1675.00	0.1633E-04	4000.00	0.1081E-04
1700.00	0.1624E-04	4025.00	0.1077E-04
1725.00	0.1616E-04	4050.00	0.1073E-04
1750.00	0.1607E-04	4075.00	0.1069E-04
1775.00	0.1599E-04	4100.00	0.1065E-04
1800.00	0.1590E-04	4125.00	0.1061E-04
1825.00	0.1582E-04	4150.00	0.1058E-04
1850.00	0.1574E-04	4175.00	0.1054E-04
1875.00	0.1565E-04	4200.00	0.1050E-04
1900.00	0.1557E-04	4225.00	0.1046E-04
1925.00	0.1549E-04	4250.00	0.1043E-04
1950.00	0.1541E-04	4275.00	0.1039E-04
1975.00	0.1533E-04	4300.00	0.1035E-04
2000.00	0.1526E-04	4325.00	0.1032E-04
2025.00	0.1518E-04	4350.00	0.1028E-04
2050.00	0.1510E-04	4375.00	0.1025E-04
2075.00	0.1503E-04	4400.00	0.1021E-04
2100.00	0.1495E-04	4425.00	0.1018E-04
2125.00	0.1488E-04	4450.00	0.1014E-04
2150.00	0.1480E-04	4475.00	0.1011E-04
2175.00	0.1473E-04	4500.00	0.1007E-04
2200.00	0.1466E-04	4525.00	0.1004E-04
2225.00	0.1459E-04	4550.00	0.1000E-04
2250.00	0.1452E-04	4575.00	0.9971E-05
2275.00	0.1445E-04	4600.00	0.9938E-05
2300.00	0.1438E-04	4625.00	0.9904E-05
2325.00	0.1431E-04	4650.00	0.9871E-05
2350.00	0.1424E-04	4675.00	0.9839E-05
2375.00	0.1417E-04	4700.00	0.9806E-05
2400.00	0.1410E-04	4725.00	0.9774E-05
2425.00	0.1404E-04	4750.00	0.9742E-05
2450.00	0.1397E-04	4775.00	0.9710E-05
2475.00	0.1391E-04	4800.00	0.9678E-05
2500.00	0.1384E-04	4825.00	0.9646E-05
2525.00	0.1378E-04	4850.00	0.9615E-05
2550.00	0.1371E-04	4875.00	0.9584E-05
2575.00	0.1365E-04	4900.00	0.9553E-05
2600.00	0.1359E-04	4925.00	0.9522E-05
2625.00	0.1353E-04	4950.00	0.9492E-05
2650.00	0.1346E-04	4975.00	0.9462E-05
2675.00	0.1340E-04	5000.00	0.9432E-05

\*\*\*\*\* AERSCREEN MAXIMUM IMPACT SUMMARY \*\*\*\*\*

CALCULATION PROCEDURE	MAXIMUM 1-HOUR CONC (ug/m3)	SCALED 3-HOUR CONC (ug/m3)	SCALED 8-HOUR CONC (ug/m3)	SCALED 24-HOUR CONC (ug/m3)	SCALED ANNUAL CONC (ug/m3)
FLAT TERRAIN	3.24E-05	3.24E-05	2.92E-05	1.94E-05	3.24E-06

DISTANCE FROM SOURCE 377.25 meters

IMPACT AT THE  
AMBIENT BOUNDARY 0.3240E-04 0.3240E-04 0.2916E-04 0.1944E-04 0.3240E-05

DISTANCE FROM SOURCE 377.25 meters

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Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: County

Region: San Diego

Calendar Year: 2024

Season: Annual

Vehicle Classification: EMFAC202x Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	Fuel Consumption
San Diego	2024	All Other Buses	Aggregate	Aggregate	Diesel	430.8831	24,395.5221	2.8325
San Diego	2024	All Other Buses	Aggregate	Aggregate	Natural Gas	93.9031	5,782.7354	0.8036
San Diego	2024	LDA	Aggregate	Aggregate	Gasoline	1,175,418.4594	46,842,847.4738	1,662.7878
San Diego	2024	LDA	Aggregate	Aggregate	Diesel	5,631.0471	172,212.5896	4.3200
San Diego	2024	LDA	Aggregate	Aggregate	Electricity	63,266.9404	3,105,099.5838	0.0000
San Diego	2024	LDA	Aggregate	Aggregate	Plug-in Hybrid	32,449.0861	1,552,287.2902	28.0973
San Diego	2024	LDT1	Aggregate	Aggregate	Gasoline	129,009.4789	4,429,822.5483	191.4651
San Diego	2024	LDT1	Aggregate	Aggregate	Diesel	60.9487	887.9332	0.0395
San Diego	2024	LDT1	Aggregate	Aggregate	Electricity	244.5610	10,901.4624	0.0000
San Diego	2024	LDT1	Aggregate	Aggregate	Plug-in Hybrid	133.7236	6,961.0563	0.1140
San Diego	2024	LDT2	Aggregate	Aggregate	Gasoline	556,633.3557	22,430,753.4702	991.4020
San Diego	2024	LDT2	Aggregate	Aggregate	Diesel	2,078.6083	87,677.9213	2.9310
San Diego	2024	LDT2	Aggregate	Aggregate	Electricity	2,965.0925	113,303.3988	0.0000
San Diego	2024	LDT2	Aggregate	Aggregate	Plug-in Hybrid	3,943.0582	197,504.6365	3.3908
San Diego	2024	LHD1	Aggregate	Aggregate	Gasoline	42,013.6057	1,671,762.2229	172.8675
San Diego	2024	LHD1	Aggregate	Aggregate	Diesel	30,083.4637	1,194,852.7545	74.3024
San Diego	2024	LHD1	Aggregate	Aggregate	Electricity	144.7509	11,387.4849	0.0000
San Diego	2024	LHD2	Aggregate	Aggregate	Gasoline	5,983.0182	231,444.1973	26.9823
San Diego	2024	LHD2	Aggregate	Aggregate	Diesel	11,684.1055	483,249.1016	36.2437
San Diego	2024	LHD2	Aggregate	Aggregate	Electricity	37.4661	2,792.6142	0.0000
San Diego	2024	MCY	Aggregate	Aggregate	Gasoline	70,199.5662	430,235.8580	11.0298
San Diego	2024	MDV	Aggregate	Aggregate	Gasoline	333,953.2218	13,160,207.1096	707.0629
San Diego	2024	MDV	Aggregate	Aggregate	Diesel	5,837.0388	235,562.3085	10.4596
San Diego	2024	MDV	Aggregate	Aggregate	Electricity	3,228.8696	123,365.1535	0.0000
San Diego	2024	MDV	Aggregate	Aggregate	Plug-in Hybrid	2,430.3864	122,487.7345	2.1711
San Diego	2024	MH	Aggregate	Aggregate	Gasoline	10,135.5546	93,222.2888	21.1368
San Diego	2024	MH	Aggregate	Aggregate	Diesel	4,094.6196	39,601.9072	4.2183
San Diego	2024	Motor Coach	Aggregate	Aggregate	Diesel	164.6164	22,967.5269	4.1765
San Diego	2024	OBUS	Aggregate	Aggregate	Gasoline	1,164.5172	56,792.6822	11.8807
San Diego	2024	OBUS	Aggregate	Aggregate	Electricity	2.2225	219.6378	0.0000
San Diego	2024	PTO	Aggregate	Aggregate	Diesel	0.0000	35,691.0305	7.2402
San Diego	2024	PTO	Aggregate	Aggregate	Electricity	0.0000	168.5699	0.0000
San Diego	2024	SBUS	Aggregate	Aggregate	Gasoline	272.9946	15,743.2722	1.5881
San Diego	2024	SBUS	Aggregate	Aggregate	Diesel	2,130.7509	45,339.0525	5.5958
San Diego	2024	SBUS	Aggregate	Aggregate	Electricity	7.1902	213.5607	0.0000
San Diego	2024	SBUS	Aggregate	Aggregate	Natural Gas	17.7025	458.1863	0.0771
San Diego	2024	T6 CAIRP Class 4	Aggregate	Aggregate	Diesel	8.5088	559.5943	0.0627
San Diego	2024	T6 CAIRP Class 4	Aggregate	Aggregate	Electricity	0.0443	3.2162	0.0000
San Diego	2024	T6 CAIRP Class 5	Aggregate	Aggregate	Diesel	11.3542	768.2255	0.0861
San Diego	2024	T6 CAIRP Class 5	Aggregate	Aggregate	Electricity	0.0506	3.8492	0.0000
San Diego	2024	T6 CAIRP Class 6	Aggregate	Aggregate	Diesel	37.0669	2,001.0821	0.2209
San Diego	2024	T6 CAIRP Class 6	Aggregate	Aggregate	Electricity	0.3000	16.3713	0.0000
San Diego	2024	T6 CAIRP Class 7	Aggregate	Aggregate	Diesel	62.4820	12,608.0858	1.3017
San Diego	2024	T6 CAIRP Class 7	Aggregate	Aggregate	Electricity	0.2424	46.4018	0.0000
San Diego	2024	T6 Instate Delivery Class 4	Aggregate	Aggregate	Diesel	912.9160	30,689.4924	3.7327
San Diego	2024	T6 Instate Delivery Class 4	Aggregate	Aggregate	Electricity	2.7082	107.2846	0.0000
San Diego	2024	T6 Instate Delivery Class 4	Aggregate	Aggregate	Natural Gas	15.2251	546.3020	0.0829
San Diego	2024	T6 Instate Delivery Class 5	Aggregate	Aggregate	Diesel	674.5079	23,136.2891	2.8202
San Diego	2024	T6 Instate Delivery Class 5	Aggregate	Aggregate	Electricity	1.8044	71.9492	0.0000
San Diego	2024	T6 Instate Delivery Class 5	Aggregate	Aggregate	Natural Gas	16.0304	573.4689	0.0877
San Diego	2024	T6 Instate Delivery Class 6	Aggregate	Aggregate	Diesel	2,041.2498	69,241.6119	8.4070
San Diego	2024	T6 Instate Delivery Class 6	Aggregate	Aggregate	Electricity	5.0442	195.4659	0.0000
San Diego	2024	T6 Instate Delivery Class 6	Aggregate	Aggregate	Natural Gas	41.8531	1,494.6720	0.2271
San Diego	2024	T6 Instate Delivery Class 7	Aggregate	Aggregate	Diesel	493.5545	27,405.7229	3.2849
San Diego	2024	T6 Instate Delivery Class 7	Aggregate	Aggregate	Electricity	0.5441	25.1332	0.0000
San Diego	2024	T6 Instate Delivery Class 7	Aggregate	Aggregate	Natural Gas	4.7721	270.6058	0.0407
San Diego	2024	T6 Instate Other Class 4	Aggregate	Aggregate	Diesel	1,928.3048	79,963.0785	9.3552
San Diego	2024	T6 Instate Other Class 4	Aggregate	Aggregate	Electricity	5.3706	242.5971	0.0000
San Diego	2024	T6 Instate Other Class 4	Aggregate	Aggregate	Natural Gas	32.2427	1,484.8124	0.1972
San Diego	2024	T6 Instate Other Class 5	Aggregate	Aggregate	Diesel	3,431.0368	149,910.0226	17.6766
San Diego	2024	T6 Instate Other Class 5	Aggregate	Aggregate	Electricity	7.1234	326.6283	0.0000
San Diego	2024	T6 Instate Other Class 5	Aggregate	Aggregate	Natural Gas	88.8389	4,089.8846	0.5427
San Diego	2024	T6 Instate Other Class 6	Aggregate	Aggregate	Diesel	3,414.3328	147,412.6910	17.2690
San Diego	2024	T6 Instate Other Class 6	Aggregate	Aggregate	Electricity	7.7263	345.6972	0.0000
San Diego	2024	T6 Instate Other Class 6	Aggregate	Aggregate	Natural Gas	93.1182	4,300.4488	0.5746
San Diego	2024	T6 Instate Other Class 7	Aggregate	Aggregate	Diesel	1,559.3109	73,418.7540	8.4604
San Diego	2024	T6 Instate Other Class 7	Aggregate	Aggregate	Electricity	2.9785	203.1070	0.0000
San Diego	2024	T6 Instate Other Class 7	Aggregate	Aggregate	Natural Gas	10.4736	604.3468	0.0801
San Diego	2024	T6 Instate Tractor Class 6	Aggregate	Aggregate	Diesel	18.2052	880.8738	0.1012
San Diego	2024	T6 Instate Tractor Class 6	Aggregate	Aggregate	Electricity	0.0880	5.0036	0.0000
San Diego	2024	T6 Instate Tractor Class 6	Aggregate	Aggregate	Natural Gas	0.3582	21.1210	0.0028
San Diego	2024	T6 Instate Tractor Class 7	Aggregate	Aggregate	Diesel	461.1193	27,381.5064	2.9866
San Diego	2024	T6 Instate Tractor Class 7	Aggregate	Aggregate	Natural Gas	2.3006	163.9409	0.0213
San Diego	2024	T6 OOS Class 4	Aggregate	Aggregate	Diesel	4.9187	320.7860	0.0358
San Diego	2024	T6 OOS Class 5	Aggregate	Aggregate	Diesel	6.5330	440.0607	0.0491
San Diego	2024	T6 OOS Class 6	Aggregate	Aggregate	Diesel	21.4307	1,149.8911	0.1261
San Diego	2024	T6 OOS Class 7	Aggregate	Aggregate	Diesel	33.6170	8,361.1380	0.8570
San Diego	2024	T6 Public Class 4	Aggregate	Aggregate	Diesel	291.5213	9,953.1106	1.3070

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San Diego	2024 T6 Public Class 4	Aggregate	Aggregate	Electricity	1.3342	57.0991	0.0000
San Diego	2024 T6 Public Class 4	Aggregate	Aggregate	Natural Gas	1.5591	65.2997	0.0097
San Diego	2024 T6 Public Class 5	Aggregate	Aggregate	Diesel	589.7865	22,095.1789	2.8378
San Diego	2024 T6 Public Class 5	Aggregate	Aggregate	Electricity	2.0215	85.9975	0.0000
San Diego	2024 T6 Public Class 5	Aggregate	Aggregate	Natural Gas	7.3153	298.7484	0.0448
San Diego	2024 T6 Public Class 6	Aggregate	Aggregate	Diesel	425.9837	14,924.0083	1.9324
San Diego	2024 T6 Public Class 6	Aggregate	Aggregate	Electricity	1.9045	73.6609	0.0000
San Diego	2024 T6 Public Class 6	Aggregate	Aggregate	Natural Gas	2.5505	105.3260	0.0157
San Diego	2024 T6 Public Class 7	Aggregate	Aggregate	Diesel	748.8385	33,121.9782	4.2490
San Diego	2024 T6 Public Class 7	Aggregate	Aggregate	Electricity	3.2241	203.6715	0.0000
San Diego	2024 T6 Public Class 7	Aggregate	Aggregate	Natural Gas	5.5445	294.1974	0.0427
San Diego	2024 T6 Utility Class 5	Aggregate	Aggregate	Diesel	204.2820	8,295.0205	0.9371
San Diego	2024 T6 Utility Class 5	Aggregate	Aggregate	Electricity	1.5339	66.7308	0.0000
San Diego	2024 T6 Utility Class 6	Aggregate	Aggregate	Diesel	49.2769	1,991.4856	0.2237
San Diego	2024 T6 Utility Class 6	Aggregate	Aggregate	Electricity	0.3727	16.2123	0.0000
San Diego	2024 T6 Utility Class 7	Aggregate	Aggregate	Diesel	49.0528	2,413.4196	0.2694
San Diego	2024 T6 Utility Class 7	Aggregate	Aggregate	Electricity	0.3827	22.6920	0.0000
San Diego	2024 T6TS	Aggregate	Aggregate	Gasoline	3,473.0073	196,459.3898	41.4591
San Diego	2024 T6TS	Aggregate	Aggregate	Electricity	11.9912	1,192.2867	0.0000
San Diego	2024 T7 CAIRP Class 8	Aggregate	Aggregate	Diesel	2,070.2392	419,536.9624	68.6368
San Diego	2024 T7 CAIRP Class 8	Aggregate	Aggregate	Electricity	12.7365	2,273.6134	0.0000
San Diego	2024 T7 CAIRP Class 8	Aggregate	Aggregate	Natural Gas	2.1291	441.3237	0.0793
San Diego	2024 T7 NNOOS Class 8	Aggregate	Aggregate	Diesel	1,853.8337	499,231.9250	80.2543
San Diego	2024 T7 NOOS Class 8	Aggregate	Aggregate	Diesel	781.0623	181,362.0905	29.6349
San Diego	2024 T7 Other Port Class 8	Aggregate	Aggregate	Diesel	545.3509	100,376.1255	16.8873
San Diego	2024 T7 Other Port Class 8	Aggregate	Aggregate	Electricity	0.9466	201.9412	0.0000
San Diego	2024 T7 POLA Class 8	Aggregate	Aggregate	Diesel	248.9902	31,499.6462	5.4293
San Diego	2024 T7 POLA Class 8	Aggregate	Aggregate	Electricity	0.2212	21.4862	0.0000
San Diego	2024 T7 Public Class 8	Aggregate	Aggregate	Diesel	1,513.0976	65,384.9547	12.5095
San Diego	2024 T7 Public Class 8	Aggregate	Aggregate	Electricity	4.9157	312.2287	0.0000
San Diego	2024 T7 Public Class 8	Aggregate	Aggregate	Natural Gas	7.7968	392.0852	0.0855
San Diego	2024 T7 Single Concrete/Transit Mix Class 8	Aggregate	Aggregate	Diesel	354.2892	24,728.9631	4.2105
San Diego	2024 T7 Single Concrete/Transit Mix Class 8	Aggregate	Aggregate	Electricity	3.4072	280.4326	0.0000
San Diego	2024 T7 Single Concrete/Transit Mix Class 8	Aggregate	Aggregate	Natural Gas	30.4611	2,170.9174	0.3790
San Diego	2024 T7 Single Dump Class 8	Aggregate	Aggregate	Diesel	851.0277	50,042.8227	8.6525
San Diego	2024 T7 Single Dump Class 8	Aggregate	Aggregate	Electricity	0.9465	74.9698	0.0000
San Diego	2024 T7 Single Dump Class 8	Aggregate	Aggregate	Natural Gas	64.2558	4,052.8726	0.7399
San Diego	2024 T7 Single Other Class 8	Aggregate	Aggregate	Diesel	1,643.7640	91,381.3114	15.5495
San Diego	2024 T7 Single Other Class 8	Aggregate	Aggregate	Electricity	7.3047	493.5494	0.0000
San Diego	2024 T7 Single Other Class 8	Aggregate	Aggregate	Natural Gas	127.3829	7,370.2767	1.3084
San Diego	2024 T7 SWCV Class 8	Aggregate	Aggregate	Diesel	571.8161	37,134.6108	15.6347
San Diego	2024 T7 SWCV Class 8	Aggregate	Aggregate	Electricity	4.0654	233.7006	0.0000
San Diego	2024 T7 SWCV Class 8	Aggregate	Aggregate	Natural Gas	778.5129	50,281.1784	10.7604
San Diego	2024 T7 Tractor Class 8	Aggregate	Aggregate	Diesel	4,152.2977	316,730.4994	51.9280
San Diego	2024 T7 Tractor Class 8	Aggregate	Aggregate	Electricity	10.4623	789.6583	0.0000
San Diego	2024 T7 Tractor Class 8	Aggregate	Aggregate	Natural Gas	63.9042	4,816.4927	0.9036
San Diego	2024 T7 Utility Class 8	Aggregate	Aggregate	Diesel	145.9150	6,583.7257	1.1343
San Diego	2024 T7 Utility Class 8	Aggregate	Aggregate	Electricity	0.2978	18.8166	0.0000
San Diego	2024 T7IS	Aggregate	Aggregate	Gasoline	8.1917	492.4546	0.1356
San Diego	2024 T7IS	Aggregate	Aggregate	Electricity	0.0113	3.6359	0.0000
San Diego	2024 UBUS	Aggregate	Aggregate	Gasoline	135.2334	13,564.6980	1.5708
San Diego	2024 UBUS	Aggregate	Aggregate	Electricity	25.4548	3,155.4421	0.0000
San Diego	2024 UBUS	Aggregate	Aggregate	Natural Gas	894.3814	109,904.2000	20.6246
				Total		99,946,068.2153	4,464.2840
				Diesel		4,914,874.3928	551.4109
				%		5%	12%