

Haynes Generating Station - South Coast AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Haynes Generating Station  
South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	56.00	Acre	56.00	2,439,360.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	9			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<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 - Alignment A1 total area
- Construction Phase - Project Description
- Off-road Equipment -
- Off-road Equipment - default
- Off-road Equipment - assume total disturbance is max 5 acres/day
- Off-road Equipment -
- Off-road Equipment - default but scaled down
- Off-road Equipment - construction equipment estimate
- Trips and VMT - trip estimate from Project Description and max 10 haul truck trips per day
- Demolition - no demolition
- Grading - cut/fill balanced on site

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Construction Off-road Equipment Mitigation - best practice - water 2x/day

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	88.00
tblConstructionPhase	NumDays	75.00	88.00
tblConstructionPhase	NumDays	1,110.00	130.00
tblConstructionPhase	NumDays	75.00	88.00
tblConstructionPhase	NumDays	40.00	42.00
tblGrading	AcresOfGrading	21.00	60.00
tblOffRoadEquipment	HorsePower	221.00	250.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	168.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,340.00
tblTripsAndVMT	HaulingTripNumber	0.00	260.00
tblTripsAndVMT	HaulingTripNumber	0.00	176.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	400.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	120.00

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tbITripsAndVMT	WorkerTripNumber	38.00	100.00
tbITripsAndVMT	WorkerTripNumber	1,025.00	20.00
tbITripsAndVMT	WorkerTripNumber	15.00	20.00
tbITripsAndVMT	WorkerTripNumber	205.00	10.00
tbITripsAndVMT	WorkerTripNumber	205.00	10.00

**2.0 Emissions Summary**

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2025	4-1-2025	1.0545	1.0545
2	4-2-2025	7-1-2025	1.6663	1.6663
3	7-2-2025	9-30-2025	1.4708	1.4708
		Highest	1.6663	1.6663

**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	0.1917	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3900e-003	1.3900e-003	0.0000	0.0000	1.4800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1917</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3900e-003</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.4800e-003</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	0.1917	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3900e-003	1.3900e-003	0.0000	0.0000	1.4800e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1917</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3900e-003</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.4800e-003</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	Site Clearing and Utility Relocation	Site Preparation	1/2/2025	2/28/2025	5	42	
2	Trench Excavation and Sitework	Trenching	3/1/2025	8/29/2025	5	130	
3	Structural Facilities	Building Construction	3/1/2025	8/29/2025	5	130	

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4	Paving and Striping	Paving	9/1/2025	12/31/2025	5	88
5	Electrical, Process Mechanical, and Instrumentation	Architectural Coating	9/1/2025	12/31/2025	5	88
6	Startup and Testing	Architectural Coating	9/1/2025	12/31/2025	5	88

**Acres of Grading (Site Preparation Phase): 60**

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

**Acres of Paving: 56**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 146,362 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Clearing and Utility Relocation	Concrete/Industrial Saws	1	6.00	81	0.73
Site Clearing and Utility Relocation	Generator Sets	2	6.00	84	0.74
Site Clearing and Utility Relocation	Rollers	1	8.00	80	0.38
Site Clearing and Utility Relocation	Rubber Tired Dozers	1	8.00	247	0.40
Site Clearing and Utility Relocation	Sweepers/Scrubbers	1	8.00	64	0.46
Site Clearing and Utility Relocation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trench Excavation and Sitework	Air Compressors	2	6.00	78	0.48
Trench Excavation and Sitework	Bore/Drill Rigs	1	6.00	250	0.50
Trench Excavation and Sitework	Excavators	1	8.00	158	0.38
Trench Excavation and Sitework	Forklifts	2	8.00	89	0.20
Trench Excavation and Sitework	Graders	1	8.00	187	0.41
Trench Excavation and Sitework	Off-Highway Trucks	2	8.00	402	0.38
Trench Excavation and Sitework	Pumps	2	8.00	200	0.74
Trench Excavation and Sitework	Rubber Tired Dozers	1	8.00	247	0.40
Trench Excavation and Sitework	Scrapers	1	8.00	367	0.48
Trench Excavation and Sitework	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Structural Facilities	Cranes	1	2.00	231	0.29

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Structural Facilities	Forklifts	1	8.00	89	0.20
Structural Facilities	Generator Sets	1	6.00	84	0.74
Structural Facilities	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Structural Facilities	Welders	1	4.00	46	0.45
Paving and Striping	Pavers	2	8.00	130	0.42
Paving and Striping	Paving Equipment	2	8.00	132	0.36
Paving and Striping	Rollers	2	8.00	80	0.38
Electrical, Process Mechanical, and Instrumentation	Air Compressors	1	6.00	78	0.48
Startup and Testing	Air Compressors	1	6.00	78	0.48
Startup and Testing	Off-Highway Trucks	1	8.00	402	0.38
Startup and Testing	Pumps	1	8.00	84	0.74

**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
Site Clearing and Utility Relocation	9	120.00	16.00	168.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trench Excavation and Sitework	15	100.00	20.00	2,340.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structural Facilities	5	20.00	4.00	260.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving and Striping	6	20.00	8.00	176.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Electrical, Process Mechanical, and Instrumentation	1	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Startup and Testing	3	10.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area



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**3.2 Site Clearing and Utility Relocation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1583	0.0000	0.1583	0.0730	0.0000	0.0730	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0412	0.3956	0.4548	7.9000e-004		0.0172	0.0172		0.0162	0.0162	0.0000	68.8197	68.8197	0.0148	0.0000	69.1895
<b>Total</b>	<b>0.0412</b>	<b>0.3956</b>	<b>0.4548</b>	<b>7.9000e-004</b>	<b>0.1583</b>	<b>0.0172</b>	<b>0.1755</b>	<b>0.0730</b>	<b>0.0162</b>	<b>0.0892</b>	<b>0.0000</b>	<b>68.8197</b>	<b>68.8197</b>	<b>0.0148</b>	<b>0.0000</b>	<b>69.1895</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	tons/yr										MT/yr					
Hauling	1.7000e-004	0.0106	2.9400e-003	5.0000e-005	1.4500e-003	8.0000e-005	1.5200e-003	4.0000e-004	7.0000e-005	4.7000e-004	0.0000	4.6395	4.6395	2.7000e-004	7.4000e-004	4.8660
Vendor	3.5000e-004	0.0128	4.7200e-003	6.0000e-005	2.1200e-003	7.0000e-005	2.1900e-003	6.1000e-004	7.0000e-005	6.8000e-004	0.0000	5.7865	5.7865	2.0000e-004	8.4000e-004	6.0420
Worker	6.8800e-003	4.8400e-003	0.0714	2.2000e-004	0.0277	1.4000e-004	0.0278	7.3400e-003	1.3000e-004	7.4800e-003	0.0000	20.2896	20.2896	4.6000e-004	4.8000e-004	20.4453
<b>Total</b>	<b>7.4000e-003</b>	<b>0.0283</b>	<b>0.0791</b>	<b>3.3000e-004</b>	<b>0.0312</b>	<b>2.9000e-004</b>	<b>0.0315</b>	<b>8.3500e-003</b>	<b>2.7000e-004</b>	<b>8.6300e-003</b>	<b>0.0000</b>	<b>30.7156</b>	<b>30.7156</b>	<b>9.3000e-004</b>	<b>2.0600e-003</b>	<b>31.3533</b>

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**3.2 Site Clearing and Utility Relocation - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0712	0.0000	0.0712	0.0328	0.0000	0.0328	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0412	0.3956	0.4548	7.9000e-004		0.0172	0.0172		0.0162	0.0162	0.0000	68.8196	68.8196	0.0148	0.0000	69.1894
<b>Total</b>	<b>0.0412</b>	<b>0.3956</b>	<b>0.4548</b>	<b>7.9000e-004</b>	<b>0.0712</b>	<b>0.0172</b>	<b>0.0885</b>	<b>0.0328</b>	<b>0.0162</b>	<b>0.0490</b>	<b>0.0000</b>	<b>68.8196</b>	<b>68.8196</b>	<b>0.0148</b>	<b>0.0000</b>	<b>69.1894</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	tons/yr										MT/yr					
Hauling	1.7000e-004	0.0106	2.9400e-003	5.0000e-005	1.4500e-003	8.0000e-005	1.5200e-003	4.0000e-004	7.0000e-005	4.7000e-004	0.0000	4.6395	4.6395	2.7000e-004	7.4000e-004	4.8660
Vendor	3.5000e-004	0.0128	4.7200e-003	6.0000e-005	2.1200e-003	7.0000e-005	2.1900e-003	6.1000e-004	7.0000e-005	6.8000e-004	0.0000	5.7865	5.7865	2.0000e-004	8.4000e-004	6.0420
Worker	6.8800e-003	4.8400e-003	0.0714	2.2000e-004	0.0277	1.4000e-004	0.0278	7.3400e-003	1.3000e-004	7.4800e-003	0.0000	20.2896	20.2896	4.6000e-004	4.8000e-004	20.4453
<b>Total</b>	<b>7.4000e-003</b>	<b>0.0283</b>	<b>0.0791</b>	<b>3.3000e-004</b>	<b>0.0312</b>	<b>2.9000e-004</b>	<b>0.0315</b>	<b>8.3500e-003</b>	<b>2.7000e-004</b>	<b>8.6300e-003</b>	<b>0.0000</b>	<b>30.7156</b>	<b>30.7156</b>	<b>9.3000e-004</b>	<b>2.0600e-003</b>	<b>31.3533</b>

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**3.3 Trench Excavation and Sitework - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2951	2.4058	2.4037	7.5800e-003		0.0922	0.0922		0.0862	0.0862	0.0000	660.6160	660.6160	0.1525	0.0000	664.4276
<b>Total</b>	<b>0.2951</b>	<b>2.4058</b>	<b>2.4037</b>	<b>7.5800e-003</b>		<b>0.0922</b>	<b>0.0922</b>		<b>0.0862</b>	<b>0.0862</b>	<b>0.0000</b>	<b>660.6160</b>	<b>660.6160</b>	<b>0.1525</b>	<b>0.0000</b>	<b>664.4276</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	tons/yr										MT/yr					
Hauling	2.4100e-003	0.1481	0.0410	6.5000e-004	0.0201	1.0700e-003	0.0212	5.5300e-003	1.0200e-003	6.5500e-003	0.0000	64.6211	64.6211	3.7500e-003	0.0103	67.7762
Vendor	1.3400e-003	0.0495	0.0183	2.3000e-004	8.2000e-003	2.8000e-004	8.4800e-003	2.3700e-003	2.6000e-004	2.6300e-003	0.0000	22.3884	22.3884	7.8000e-004	3.2500e-003	23.3769
Worker	0.0177	0.0125	0.1842	5.7000e-004	0.0713	3.7000e-004	0.0717	0.0189	3.4000e-004	0.0193	0.0000	52.3343	52.3343	1.1800e-003	1.2500e-003	52.7359
<b>Total</b>	<b>0.0215</b>	<b>0.2101</b>	<b>0.2434</b>	<b>1.4500e-003</b>	<b>0.0997</b>	<b>1.7200e-003</b>	<b>0.1014</b>	<b>0.0268</b>	<b>1.6200e-003</b>	<b>0.0285</b>	<b>0.0000</b>	<b>139.3438</b>	<b>139.3438</b>	<b>5.7100e-003</b>	<b>0.0148</b>	<b>143.8890</b>

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**3.3 Trench Excavation and Sitework - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2951	2.4058	2.4037	7.5800e-003		0.0922	0.0922		0.0862	0.0862	0.0000	660.6152	660.6152	0.1525	0.0000	664.4268
<b>Total</b>	<b>0.2951</b>	<b>2.4058</b>	<b>2.4037</b>	<b>7.5800e-003</b>		<b>0.0922</b>	<b>0.0922</b>		<b>0.0862</b>	<b>0.0862</b>	<b>0.0000</b>	<b>660.6152</b>	<b>660.6152</b>	<b>0.1525</b>	<b>0.0000</b>	<b>664.4268</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	tons/yr										MT/yr					
Hauling	2.4100e-003	0.1481	0.0410	6.5000e-004	0.0201	1.0700e-003	0.0212	5.5300e-003	1.0200e-003	6.5500e-003	0.0000	64.6211	64.6211	3.7500e-003	0.0103	67.7762
Vendor	1.3400e-003	0.0495	0.0183	2.3000e-004	8.2000e-003	2.8000e-004	8.4800e-003	2.3700e-003	2.6000e-004	2.6300e-003	0.0000	22.3884	22.3884	7.8000e-004	3.2500e-003	23.3769
Worker	0.0177	0.0125	0.1842	5.7000e-004	0.0713	3.7000e-004	0.0717	0.0189	3.4000e-004	0.0193	0.0000	52.3343	52.3343	1.1800e-003	1.2500e-003	52.7359
<b>Total</b>	<b>0.0215</b>	<b>0.2101</b>	<b>0.2434</b>	<b>1.4500e-003</b>	<b>0.0997</b>	<b>1.7200e-003</b>	<b>0.1014</b>	<b>0.0268</b>	<b>1.6200e-003</b>	<b>0.0285</b>	<b>0.0000</b>	<b>139.3438</b>	<b>139.3438</b>	<b>5.7100e-003</b>	<b>0.0148</b>	<b>143.8890</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Structural Facilities - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0384	0.3410	0.4608	7.7000e-004		0.0141	0.0141		0.0134	0.0134	0.0000	66.2230	66.2230	0.0121	0.0000	66.5262
<b>Total</b>	<b>0.0384</b>	<b>0.3410</b>	<b>0.4608</b>	<b>7.7000e-004</b>		<b>0.0141</b>	<b>0.0141</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.2230</b>	<b>66.2230</b>	<b>0.0121</b>	<b>0.0000</b>	<b>66.5262</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	tons/yr										MT/yr					
Hauling	2.7000e-004	0.0165	4.5500e-003	7.0000e-005	2.2400e-003	1.2000e-004	2.3600e-003	6.1000e-004	1.1000e-004	7.3000e-004	0.0000	7.1801	7.1801	4.2000e-004	1.1400e-003	7.5307
Vendor	2.7000e-004	9.9000e-003	3.6500e-003	5.0000e-005	1.6400e-003	6.0000e-005	1.7000e-003	4.7000e-004	5.0000e-005	5.3000e-004	0.0000	4.4777	4.4777	1.6000e-004	6.5000e-004	4.6754
Worker	3.5500e-003	2.5000e-003	0.0368	1.1000e-004	0.0143	7.0000e-005	0.0143	3.7900e-003	7.0000e-005	3.8600e-003	0.0000	10.4669	10.4669	2.4000e-004	2.5000e-004	10.5472
<b>Total</b>	<b>4.0900e-003</b>	<b>0.0289</b>	<b>0.0450</b>	<b>2.3000e-004</b>	<b>0.0181</b>	<b>2.5000e-004</b>	<b>0.0184</b>	<b>4.8700e-003</b>	<b>2.3000e-004</b>	<b>5.1200e-003</b>	<b>0.0000</b>	<b>22.1247</b>	<b>22.1247</b>	<b>8.2000e-004</b>	<b>2.0400e-003</b>	<b>22.7533</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Structural Facilities - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0384	0.3410	0.4608	7.7000e-004		0.0141	0.0141		0.0134	0.0134	0.0000	66.2229	66.2229	0.0121	0.0000	66.5261
<b>Total</b>	<b>0.0384</b>	<b>0.3410</b>	<b>0.4608</b>	<b>7.7000e-004</b>		<b>0.0141</b>	<b>0.0141</b>		<b>0.0134</b>	<b>0.0134</b>	<b>0.0000</b>	<b>66.2229</b>	<b>66.2229</b>	<b>0.0121</b>	<b>0.0000</b>	<b>66.5261</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	tons/yr										MT/yr					
Hauling	2.7000e-004	0.0165	4.5500e-003	7.0000e-005	2.2400e-003	1.2000e-004	2.3600e-003	6.1000e-004	1.1000e-004	7.3000e-004	0.0000	7.1801	7.1801	4.2000e-004	1.1400e-003	7.5307
Vendor	2.7000e-004	9.9000e-003	3.6500e-003	5.0000e-005	1.6400e-003	6.0000e-005	1.7000e-003	4.7000e-004	5.0000e-005	5.3000e-004	0.0000	4.4777	4.4777	1.6000e-004	6.5000e-004	4.6754
Worker	3.5500e-003	2.5000e-003	0.0368	1.1000e-004	0.0143	7.0000e-005	0.0143	3.7900e-003	7.0000e-005	3.8600e-003	0.0000	10.4669	10.4669	2.4000e-004	2.5000e-004	10.5472
<b>Total</b>	<b>4.0900e-003</b>	<b>0.0289</b>	<b>0.0450</b>	<b>2.3000e-004</b>	<b>0.0181</b>	<b>2.5000e-004</b>	<b>0.0184</b>	<b>4.8700e-003</b>	<b>2.3000e-004</b>	<b>5.1200e-003</b>	<b>0.0000</b>	<b>22.1247</b>	<b>22.1247</b>	<b>8.2000e-004</b>	<b>2.0400e-003</b>	<b>22.7533</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Paving and Striping - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0403	0.3776	0.6414	1.0000e-003		0.0184	0.0184		0.0169	0.0169	0.0000	88.0847	88.0847	0.0285	0.0000	88.7969
Paving	0.0734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1136</b>	<b>0.3776</b>	<b>0.6414</b>	<b>1.0000e-003</b>		<b>0.0184</b>	<b>0.0184</b>		<b>0.0169</b>	<b>0.0169</b>	<b>0.0000</b>	<b>88.0847</b>	<b>88.0847</b>	<b>0.0285</b>	<b>0.0000</b>	<b>88.7969</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	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0111	3.0800e-003	5.0000e-005	1.5100e-003	8.0000e-005	1.6000e-003	4.2000e-004	8.0000e-005	4.9000e-004	0.0000	4.8604	4.8604	2.8000e-004	7.7000e-004	5.0977
Vendor	3.6000e-004	0.0134	4.9500e-003	6.0000e-005	2.2200e-003	7.0000e-005	2.2900e-003	6.4000e-004	7.0000e-005	7.1000e-004	0.0000	6.0621	6.0621	2.1000e-004	8.8000e-004	6.3298
Worker	2.4000e-003	1.6900e-003	0.0249	8.0000e-005	9.6500e-003	5.0000e-005	9.7100e-003	2.5600e-003	5.0000e-005	2.6100e-003	0.0000	7.0853	7.0853	1.6000e-004	1.7000e-004	7.1396
<b>Total</b>	<b>2.9400e-003</b>	<b>0.0262</b>	<b>0.0330</b>	<b>1.9000e-004</b>	<b>0.0134</b>	<b>2.0000e-004</b>	<b>0.0136</b>	<b>3.6200e-003</b>	<b>2.0000e-004</b>	<b>3.8100e-003</b>	<b>0.0000</b>	<b>18.0077</b>	<b>18.0077</b>	<b>6.5000e-004</b>	<b>1.8200e-003</b>	<b>18.5671</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Paving and Striping - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0403	0.3776	0.6414	1.0000e-003		0.0184	0.0184		0.0169	0.0169	0.0000	88.0846	88.0846	0.0285	0.0000	88.7968
Paving	0.0734					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.1136</b>	<b>0.3776</b>	<b>0.6414</b>	<b>1.0000e-003</b>		<b>0.0184</b>	<b>0.0184</b>		<b>0.0169</b>	<b>0.0169</b>	<b>0.0000</b>	<b>88.0846</b>	<b>88.0846</b>	<b>0.0285</b>	<b>0.0000</b>	<b>88.7968</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	tons/yr										MT/yr					
Hauling	1.8000e-004	0.0111	3.0800e-003	5.0000e-005	1.5100e-003	8.0000e-005	1.6000e-003	4.2000e-004	8.0000e-005	4.9000e-004	0.0000	4.8604	4.8604	2.8000e-004	7.7000e-004	5.0977
Vendor	3.6000e-004	0.0134	4.9500e-003	6.0000e-005	2.2200e-003	7.0000e-005	2.2900e-003	6.4000e-004	7.0000e-005	7.1000e-004	0.0000	6.0621	6.0621	2.1000e-004	8.8000e-004	6.3298
Worker	2.4000e-003	1.6900e-003	0.0249	8.0000e-005	9.6500e-003	5.0000e-005	9.7100e-003	2.5600e-003	5.0000e-005	2.6100e-003	0.0000	7.0853	7.0853	1.6000e-004	1.7000e-004	7.1396
<b>Total</b>	<b>2.9400e-003</b>	<b>0.0262</b>	<b>0.0330</b>	<b>1.9000e-004</b>	<b>0.0134</b>	<b>2.0000e-004</b>	<b>0.0136</b>	<b>3.6200e-003</b>	<b>2.0000e-004</b>	<b>3.8100e-003</b>	<b>0.0000</b>	<b>18.0077</b>	<b>18.0077</b>	<b>6.5000e-004</b>	<b>1.8200e-003</b>	<b>18.5671</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Electrical, Process Mechanical, and Instrumentation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5200e-003	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496
<b>Total</b>	<b>0.3467</b>	<b>0.0504</b>	<b>0.0796</b>	<b>1.3000e-004</b>		<b>2.2700e-003</b>	<b>2.2700e-003</b>		<b>2.2700e-003</b>	<b>2.2700e-003</b>	<b>0.0000</b>	<b>11.2343</b>	<b>11.2343</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>11.2496</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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8000e-004	6.7000e-003	2.4700e-003	3.0000e-005	1.1100e-003	4.0000e-005	1.1500e-003	3.2000e-004	4.0000e-005	3.6000e-004	0.0000	3.0310	3.0310	1.1000e-004	4.4000e-004	3.1649
Worker	1.2000e-003	8.5000e-004	0.0125	4.0000e-005	4.8300e-003	3.0000e-005	4.8500e-003	1.2800e-003	2.0000e-005	1.3100e-003	0.0000	3.5426	3.5426	8.0000e-005	8.0000e-005	3.5698
<b>Total</b>	<b>1.3800e-003</b>	<b>7.5500e-003</b>	<b>0.0149</b>	<b>7.0000e-005</b>	<b>5.9400e-003</b>	<b>7.0000e-005</b>	<b>6.0000e-003</b>	<b>1.6000e-003</b>	<b>6.0000e-005</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>6.5737</b>	<b>6.5737</b>	<b>1.9000e-004</b>	<b>5.2000e-004</b>	<b>6.7347</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Electrical, Process Mechanical, and Instrumentation - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.5200e-003	0.0504	0.0796	1.3000e-004		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	11.2343	11.2343	6.1000e-004	0.0000	11.2496
<b>Total</b>	<b>0.3467</b>	<b>0.0504</b>	<b>0.0796</b>	<b>1.3000e-004</b>		<b>2.2700e-003</b>	<b>2.2700e-003</b>		<b>2.2700e-003</b>	<b>2.2700e-003</b>	<b>0.0000</b>	<b>11.2343</b>	<b>11.2343</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>11.2496</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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8000e-004	6.7000e-003	2.4700e-003	3.0000e-005	1.1100e-003	4.0000e-005	1.1500e-003	3.2000e-004	4.0000e-005	3.6000e-004	0.0000	3.0310	3.0310	1.1000e-004	4.4000e-004	3.1649
Worker	1.2000e-003	8.5000e-004	0.0125	4.0000e-005	4.8300e-003	3.0000e-005	4.8500e-003	1.2800e-003	2.0000e-005	1.3100e-003	0.0000	3.5426	3.5426	8.0000e-005	8.0000e-005	3.5698
<b>Total</b>	<b>1.3800e-003</b>	<b>7.5500e-003</b>	<b>0.0149</b>	<b>7.0000e-005</b>	<b>5.9400e-003</b>	<b>7.0000e-005</b>	<b>6.0000e-003</b>	<b>1.6000e-003</b>	<b>6.0000e-005</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>6.5737</b>	<b>6.5737</b>	<b>1.9000e-004</b>	<b>5.2000e-004</b>	<b>6.7347</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Startup and Testing - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0411	0.2833	0.3832	1.0000e-003		0.0112	0.0112		0.0109	0.0109	0.0000	87.1831	87.1831	0.0181	0.0000	87.6366
<b>Total</b>	<b>0.3803</b>	<b>0.2833</b>	<b>0.3832</b>	<b>1.0000e-003</b>		<b>0.0112</b>	<b>0.0112</b>		<b>0.0109</b>	<b>0.0109</b>	<b>0.0000</b>	<b>87.1831</b>	<b>87.1831</b>	<b>0.0181</b>	<b>0.0000</b>	<b>87.6366</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	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	3.6000e-004	0.0134	4.9500e-003	6.0000e-005	2.2200e-003	7.0000e-005	2.2900e-003	6.4000e-004	7.0000e-005	7.1000e-004	0.0000	6.0621	6.0621	2.1000e-004	8.8000e-004	6.3298
Worker	1.2000e-003	8.5000e-004	0.0125	4.0000e-005	4.8300e-003	3.0000e-005	4.8500e-003	1.2800e-003	2.0000e-005	1.3100e-003	0.0000	3.5426	3.5426	8.0000e-005	8.0000e-005	3.5698
<b>Total</b>	<b>1.5600e-003</b>	<b>0.0143</b>	<b>0.0174</b>	<b>1.0000e-004</b>	<b>7.0500e-003</b>	<b>1.0000e-004</b>	<b>7.1400e-003</b>	<b>1.9200e-003</b>	<b>9.0000e-005</b>	<b>2.0200e-003</b>	<b>0.0000</b>	<b>9.6047</b>	<b>9.6047</b>	<b>2.9000e-004</b>	<b>9.6000e-004</b>	<b>9.8996</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Startup and Testing - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0411	0.2833	0.3832	1.0000e-003		0.0112	0.0112		0.0109	0.0109	0.0000	87.1830	87.1830	0.0181	0.0000	87.6365
<b>Total</b>	<b>0.3803</b>	<b>0.2833</b>	<b>0.3832</b>	<b>1.0000e-003</b>		<b>0.0112</b>	<b>0.0112</b>		<b>0.0109</b>	<b>0.0109</b>	<b>0.0000</b>	<b>87.1830</b>	<b>87.1830</b>	<b>0.0181</b>	<b>0.0000</b>	<b>87.6365</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	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	3.6000e-004	0.0134	4.9500e-003	6.0000e-005	2.2200e-003	7.0000e-005	2.2900e-003	6.4000e-004	7.0000e-005	7.1000e-004	0.0000	6.0621	6.0621	2.1000e-004	8.8000e-004	6.3298
Worker	1.2000e-003	8.5000e-004	0.0125	4.0000e-005	4.8300e-003	3.0000e-005	4.8500e-003	1.2800e-003	2.0000e-005	1.3100e-003	0.0000	3.5426	3.5426	8.0000e-005	8.0000e-005	3.5698
<b>Total</b>	<b>1.5600e-003</b>	<b>0.0143</b>	<b>0.0174</b>	<b>1.0000e-004</b>	<b>7.0500e-003</b>	<b>1.0000e-004</b>	<b>7.1400e-003</b>	<b>1.9200e-003</b>	<b>9.0000e-005</b>	<b>2.0200e-003</b>	<b>0.0000</b>	<b>9.6047</b>	<b>9.6047</b>	<b>2.9000e-004</b>	<b>9.6000e-004</b>	<b>9.8996</b>

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Other Asphalt Surfaces	16.60	8.40	6.90	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
Other Asphalt Surfaces	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594





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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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 Not 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	0.1917	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3900e-003	1.3900e-003	0.0000	0.0000	1.4800e-003
Unmitigated	0.1917	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3900e-003	1.3900e-003	0.0000	0.0000	1.4800e-003

**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	0.0339					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1577					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3900e-003	1.3900e-003	0.0000	0.0000	1.4800e-003
<b>Total</b>	<b>0.1917</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3900e-003</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.4800e-003</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	0.0339					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1577					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.3900e-003	1.3900e-003	0.0000	0.0000	1.4800e-003
<b>Total</b>	<b>0.1917</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3900e-003</b>	<b>1.3900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.4800e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Haynes Generating Station - South Coast AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Haynes Generating Station - South Coast AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Haynes Generating Station  
South Coast AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	56.00	Acre	56.00	2,439,360.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	9			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<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 - Alignment A1 total area
- Construction Phase - Project Description
- Off-road Equipment -
- Off-road Equipment - default
- Off-road Equipment - assume total disturbance is max 5 acres/day
- Off-road Equipment -
- Off-road Equipment - default but scaled down
- Off-road Equipment - construction equipment estimate
- Trips and VMT - trip estimate from Project Description and max 10 haul truck trips per day
- Demolition - no demolition
- Grading - cut/fill balanced on site

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Construction Off-road Equipment Mitigation - best practice - water 2x/day

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	88.00
tblConstructionPhase	NumDays	75.00	88.00
tblConstructionPhase	NumDays	1,110.00	130.00
tblConstructionPhase	NumDays	75.00	88.00
tblConstructionPhase	NumDays	40.00	42.00
tblGrading	AcresOfGrading	21.00	60.00
tblOffRoadEquipment	HorsePower	221.00	250.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	168.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,340.00
tblTripsAndVMT	HaulingTripNumber	0.00	260.00
tblTripsAndVMT	HaulingTripNumber	0.00	176.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	400.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	120.00



Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	WorkerTripNumber	38.00	100.00
tbITripsAndVMT	WorkerTripNumber	1,025.00	20.00
tbITripsAndVMT	WorkerTripNumber	15.00	20.00
tbITripsAndVMT	WorkerTripNumber	205.00	10.00
tbITripsAndVMT	WorkerTripNumber	205.00	10.00

**2.0 Emissions Summary**

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Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	1.0504	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.0504</b>	<b>5.0000e-005</b>	<b>5.7000e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0123</b>	<b>0.0123</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0131</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	1.0504	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.0504</b>	<b>5.0000e-005</b>	<b>5.7000e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0123</b>	<b>0.0123</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0131</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	Site Clearing and Utility Relocation	Site Preparation	1/2/2025	2/28/2025	5	42	
2	Trench Excavation and Sitework	Trenching	3/1/2025	8/29/2025	5	130	
3	Structural Facilities	Building Construction	3/1/2025	8/29/2025	5	130	
4	Paving and Striping	Paving	9/1/2025	12/31/2025	5	88	
5	Electrical, Process Mechanical, and Instrumentation	Architectural Coating	9/1/2025	12/31/2025	5	88	
6	Startup and Testing	Architectural Coating	9/1/2025	12/31/2025	5	88	

**Acres of Grading (Site Preparation Phase): 60**

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

**Acres of Paving: 56**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 146,362 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Clearing and Utility Relocation	Concrete/Industrial Saws	1	6.00	81	0.73
Site Clearing and Utility Relocation	Generator Sets	2	6.00	84	0.74
Site Clearing and Utility Relocation	Rollers	1	8.00	80	0.38
Site Clearing and Utility Relocation	Rubber Tired Dozers	1	8.00	247	0.40
Site Clearing and Utility Relocation	Sweepers/Scrubbers	1	8.00	64	0.46

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Site Clearing and Utility Relocation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trench Excavation and Sitework	Air Compressors	2	6.00	78	0.48
Trench Excavation and Sitework	Bore/Drill Rigs	1	6.00	250	0.50
Trench Excavation and Sitework	Excavators	1	8.00	158	0.38
Trench Excavation and Sitework	Forklifts	2	8.00	89	0.20
Trench Excavation and Sitework	Graders	1	8.00	187	0.41
Trench Excavation and Sitework	Off-Highway Trucks	2	8.00	402	0.38
Trench Excavation and Sitework	Pumps	2	8.00	200	0.74
Trench Excavation and Sitework	Rubber Tired Dozers	1	8.00	247	0.40
Trench Excavation and Sitework	Scrapers	1	8.00	367	0.48
Trench Excavation and Sitework	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Structural Facilities	Cranes	1	2.00	231	0.29
Structural Facilities	Forklifts	1	8.00	89	0.20
Structural Facilities	Generator Sets	1	6.00	84	0.74
Structural Facilities	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Structural Facilities	Welders	1	4.00	46	0.45
Paving and Striping	Pavers	2	8.00	130	0.42
Paving and Striping	Paving Equipment	2	8.00	132	0.36
Paving and Striping	Rollers	2	8.00	80	0.38
Electrical, Process Mechanical, and Instrumentation	Air Compressors	1	6.00	78	0.48
Startup and Testing	Air Compressors	1	6.00	78	0.48
Startup and Testing	Off-Highway Trucks	1	8.00	402	0.38
Startup and Testing	Pumps	1	8.00	84	0.74

**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
Site Clearing and Utility Relocation	9	120.00	16.00	168.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Trench Excavation and Sitework	15	100.00	20.00	2,340.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structural Facilities	5	20.00	4.00	260.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving and Striping	6	20.00	8.00	176.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Electrical, Process Mechanical and Instrumentation	1	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Startup and Testing	3	10.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Clearing and Utility Relocation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.5371	0.0000	7.5371	3.4738	0.0000	3.4738			0.0000			0.0000
Off-Road	1.9598	18.8375	21.6588	0.0376		0.8206	0.8206		0.7720	0.7720		3,612.417 1	3,612.417 1	0.7764		3,631.827 2
<b>Total</b>	<b>1.9598</b>	<b>18.8375</b>	<b>21.6588</b>	<b>0.0376</b>	<b>7.5371</b>	<b>0.8206</b>	<b>8.3577</b>	<b>3.4738</b>	<b>0.7720</b>	<b>4.2458</b>		<b>3,612.417 1</b>	<b>3,612.417 1</b>	<b>0.7764</b>		<b>3,631.827 2</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Clearing and Utility Relocation - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.4800e-003	0.4805	0.1393	2.2100e-003	0.0700	3.6600e-003	0.0736	0.0192	3.5000e-003	0.0227		243.4126	243.4126	0.0141	0.0387	255.2972
Vendor	0.0169	0.5807	0.2215	2.8100e-003	0.1025	3.4000e-003	0.1059	0.0295	3.2500e-003	0.0328		303.5028	303.5028	0.0106	0.0441	316.8950
Worker	0.3348	0.2065	3.6520	0.0110	1.3413	6.8600e-003	1.3482	0.3557	6.3100e-003	0.3620		1,113.5050	1,113.5050	0.0235	0.0236	1,121.1301
<b>Total</b>	<b>0.3602</b>	<b>1.2676</b>	<b>4.0128</b>	<b>0.0160</b>	<b>1.5137</b>	<b>0.0139</b>	<b>1.5276</b>	<b>0.4044</b>	<b>0.0131</b>	<b>0.4175</b>		<b>1,660.4203</b>	<b>1,660.4203</b>	<b>0.0482</b>	<b>0.1064</b>	<b>1,693.3223</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	lb/day										lb/day					
Fugitive Dust					3.3917	0.0000	3.3917	1.5632	0.0000	1.5632			0.0000			0.0000
Off-Road	1.9598	18.8375	21.6588	0.0376		0.8206	0.8206		0.7720	0.7720	0.0000	3,612.4171	3,612.4171	0.7764		3,631.8272
<b>Total</b>	<b>1.9598</b>	<b>18.8375</b>	<b>21.6588</b>	<b>0.0376</b>	<b>3.3917</b>	<b>0.8206</b>	<b>4.2123</b>	<b>1.5632</b>	<b>0.7720</b>	<b>2.3352</b>	<b>0.0000</b>	<b>3,612.4171</b>	<b>3,612.4171</b>	<b>0.7764</b>		<b>3,631.8272</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Clearing and Utility Relocation - 2025**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.4800e-003	0.4805	0.1393	2.2100e-003	0.0700	3.6600e-003	0.0736	0.0192	3.5000e-003	0.0227		243.4126	243.4126	0.0141	0.0387	255.2972
Vendor	0.0169	0.5807	0.2215	2.8100e-003	0.1025	3.4000e-003	0.1059	0.0295	3.2500e-003	0.0328		303.5028	303.5028	0.0106	0.0441	316.8950
Worker	0.3348	0.2065	3.6520	0.0110	1.3413	6.8600e-003	1.3482	0.3557	6.3100e-003	0.3620		1,113.5050	1,113.5050	0.0235	0.0236	1,121.1301
<b>Total</b>	<b>0.3602</b>	<b>1.2676</b>	<b>4.0128</b>	<b>0.0160</b>	<b>1.5137</b>	<b>0.0139</b>	<b>1.5276</b>	<b>0.4044</b>	<b>0.0131</b>	<b>0.4175</b>		<b>1,660.4203</b>	<b>1,660.4203</b>	<b>0.0482</b>	<b>0.1064</b>	<b>1,693.3223</b>

**3.3 Trench Excavation and Sitework - 2025**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5406	37.0123	36.9795	0.1165		1.4191	1.4191		1.3259	1.3259		11,203.1463	11,203.1463	2.5855		11,267.7846
<b>Total</b>	<b>4.5406</b>	<b>37.0123</b>	<b>36.9795</b>	<b>0.1165</b>		<b>1.4191</b>	<b>1.4191</b>		<b>1.3259</b>	<b>1.3259</b>		<b>11,203.1463</b>	<b>11,203.1463</b>	<b>2.5855</b>		<b>11,267.7846</b>



Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Trench Excavation and Sitework - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0382	2.1621	0.6268	9.9300e-003	0.3148	0.0165	0.3313	0.0863	0.0158	0.1021		1,095.3566	1,095.3566	0.0636	0.1741	1,148.8373
Vendor	0.0211	0.7259	0.2769	3.5200e-003	0.1281	4.2500e-003	0.1323	0.0369	4.0700e-003	0.0409		379.3785	379.3785	0.0132	0.0551	396.1188
Worker	0.2790	0.1721	3.0433	9.1800e-003	1.1178	5.7100e-003	1.1235	0.2964	5.2600e-003	0.3017		927.9208	927.9208	0.0196	0.0197	934.2751
<b>Total</b>	<b>0.3383</b>	<b>3.0600</b>	<b>3.9470</b>	<b>0.0226</b>	<b>1.5607</b>	<b>0.0264</b>	<b>1.5871</b>	<b>0.4196</b>	<b>0.0251</b>	<b>0.4447</b>		<b>2,402.6559</b>	<b>2,402.6559</b>	<b>0.0964</b>	<b>0.2489</b>	<b>2,479.2312</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	lb/day										lb/day					
Off-Road	4.5406	37.0123	36.9795	0.1165		1.4191	1.4191		1.3259	1.3259	0.0000	11,203.1463	11,203.1463	2.5855		11,267.7846
<b>Total</b>	<b>4.5406</b>	<b>37.0123</b>	<b>36.9795</b>	<b>0.1165</b>		<b>1.4191</b>	<b>1.4191</b>		<b>1.3259</b>	<b>1.3259</b>	<b>0.0000</b>	<b>11,203.1463</b>	<b>11,203.1463</b>	<b>2.5855</b>		<b>11,267.7846</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Trench Excavation and Sitework - 2025**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0382	2.1621	0.6268	9.9300e-003	0.3148	0.0165	0.3313	0.0863	0.0158	0.1021		1,095.3566	1,095.3566	0.0636	0.1741	1,148.8373
Vendor	0.0211	0.7259	0.2769	3.5200e-003	0.1281	4.2500e-003	0.1323	0.0369	4.0700e-003	0.0409		379.3785	379.3785	0.0132	0.0551	396.1188
Worker	0.2790	0.1721	3.0433	9.1800e-003	1.1178	5.7100e-003	1.1235	0.2964	5.2600e-003	0.3017		927.9208	927.9208	0.0196	0.0197	934.2751
<b>Total</b>	<b>0.3383</b>	<b>3.0600</b>	<b>3.9470</b>	<b>0.0226</b>	<b>1.5607</b>	<b>0.0264</b>	<b>1.5871</b>	<b>0.4196</b>	<b>0.0251</b>	<b>0.4447</b>		<b>2,402.6559</b>	<b>2,402.6559</b>	<b>0.0964</b>	<b>0.2489</b>	<b>2,479.2312</b>

**3.4 Structural Facilities - 2025**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2463	7.0893	0.0119		0.2168	0.2168		0.2068	0.2068		1,123.0511	1,123.0511	0.2057		1,128.1927
<b>Total</b>	<b>0.5904</b>	<b>5.2463</b>	<b>7.0893</b>	<b>0.0119</b>		<b>0.2168</b>	<b>0.2168</b>		<b>0.2068</b>	<b>0.2068</b>		<b>1,123.0511</b>	<b>1,123.0511</b>	<b>0.2057</b>		<b>1,128.1927</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Structural Facilities - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2400e-003	0.2402	0.0697	1.1000e-003	0.0350	1.8300e-003	0.0368	9.5900e-003	1.7500e-003	0.0113		121.7063	121.7063	7.0600e-003	0.0194	127.6486
Vendor	4.2200e-003	0.1452	0.0554	7.0000e-004	0.0256	8.5000e-004	0.0265	7.3700e-003	8.1000e-004	8.1900e-003		75.8757	75.8757	2.6400e-003	0.0110	79.2238
Worker	0.0558	0.0344	0.6087	1.8400e-003	0.2236	1.1400e-003	0.2247	0.0593	1.0500e-003	0.0603		185.5842	185.5842	3.9200e-003	3.9400e-003	186.8550
<b>Total</b>	<b>0.0643</b>	<b>0.4198</b>	<b>0.7337</b>	<b>3.6400e-003</b>	<b>0.2841</b>	<b>3.8200e-003</b>	<b>0.2880</b>	<b>0.0763</b>	<b>3.6100e-003</b>	<b>0.0799</b>		<b>383.1662</b>	<b>383.1662</b>	<b>0.0136</b>	<b>0.0343</b>	<b>393.7274</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	lb/day										lb/day					
Off-Road	0.5904	5.2463	7.0893	0.0119		0.2168	0.2168		0.2068	0.2068	0.0000	1,123.0511	1,123.0511	0.2057		1,128.1927
<b>Total</b>	<b>0.5904</b>	<b>5.2463</b>	<b>7.0893</b>	<b>0.0119</b>		<b>0.2168</b>	<b>0.2168</b>		<b>0.2068</b>	<b>0.2068</b>	<b>0.0000</b>	<b>1,123.0511</b>	<b>1,123.0511</b>	<b>0.2057</b>		<b>1,128.1927</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Structural Facilities - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2400e-003	0.2402	0.0697	1.1000e-003	0.0350	1.8300e-003	0.0368	9.5900e-003	1.7500e-003	0.0113		121.7063	121.7063	7.0600e-003	0.0194	127.6486
Vendor	4.2200e-003	0.1452	0.0554	7.0000e-004	0.0256	8.5000e-004	0.0265	7.3700e-003	8.1000e-004	8.1900e-003		75.8757	75.8757	2.6400e-003	0.0110	79.2238
Worker	0.0558	0.0344	0.6087	1.8400e-003	0.2236	1.1400e-003	0.2247	0.0593	1.0500e-003	0.0603		185.5842	185.5842	3.9200e-003	3.9400e-003	186.8550
<b>Total</b>	<b>0.0643</b>	<b>0.4198</b>	<b>0.7337</b>	<b>3.6400e-003</b>	<b>0.2841</b>	<b>3.8200e-003</b>	<b>0.2880</b>	<b>0.0763</b>	<b>3.6100e-003</b>	<b>0.0799</b>		<b>383.1662</b>	<b>383.1662</b>	<b>0.0136</b>	<b>0.0343</b>	<b>393.7274</b>

**3.5 Paving and Striping - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.6673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.5824</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Paving and Striping - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2400e-003	0.2402	0.0697	1.1000e-003	0.0350	1.8300e-003	0.0368	9.5900e-003	1.7500e-003	0.0113		121.7063	121.7063	7.0600e-003	0.0194	127.6486
Vendor	8.4500e-003	0.2903	0.1108	1.4100e-003	0.0512	1.7000e-003	0.0529	0.0148	1.6300e-003	0.0164		151.7514	151.7514	5.2900e-003	0.0220	158.4475
Worker	0.0558	0.0344	0.6087	1.8400e-003	0.2236	1.1400e-003	0.2247	0.0593	1.0500e-003	0.0603		185.5842	185.5842	3.9200e-003	3.9400e-003	186.8550
<b>Total</b>	<b>0.0685</b>	<b>0.5650</b>	<b>0.7891</b>	<b>4.3500e-003</b>	<b>0.3098</b>	<b>4.6700e-003</b>	<b>0.3144</b>	<b>0.0836</b>	<b>4.4300e-003</b>	<b>0.0881</b>		<b>459.0419</b>	<b>459.0419</b>	<b>0.0163</b>	<b>0.0453</b>	<b>472.9511</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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.6673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.5824</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Paving and Striping - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2400e-003	0.2402	0.0697	1.1000e-003	0.0350	1.8300e-003	0.0368	9.5900e-003	1.7500e-003	0.0113		121.7063	121.7063	7.0600e-003	0.0194	127.6486
Vendor	8.4500e-003	0.2903	0.1108	1.4100e-003	0.0512	1.7000e-003	0.0529	0.0148	1.6300e-003	0.0164		151.7514	151.7514	5.2900e-003	0.0220	158.4475
Worker	0.0558	0.0344	0.6087	1.8400e-003	0.2236	1.1400e-003	0.2247	0.0593	1.0500e-003	0.0603		185.5842	185.5842	3.9200e-003	3.9400e-003	186.8550
<b>Total</b>	<b>0.0685</b>	<b>0.5650</b>	<b>0.7891</b>	<b>4.3500e-003</b>	<b>0.3098</b>	<b>4.6700e-003</b>	<b>0.3144</b>	<b>0.0836</b>	<b>4.4300e-003</b>	<b>0.0881</b>		<b>459.0419</b>	<b>459.0419</b>	<b>0.0163</b>	<b>0.0453</b>	<b>472.9511</b>

**3.6 Electrical, Process Mechanical, and Instrumentation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>7.8798</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Electrical, Process Mechanical, and Instrumentation - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.2200e-003	0.1452	0.0554	7.0000e-004	0.0256	8.5000e-004	0.0265	7.3700e-003	8.1000e-004	8.1900e-003		75.8757	75.8757	2.6400e-003	0.0110	79.2238
Worker	0.0279	0.0172	0.3043	9.2000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.3000e-004	0.0302		92.7921	92.7921	1.9600e-003	1.9700e-003	93.4275
<b>Total</b>	<b>0.0321</b>	<b>0.1624</b>	<b>0.3597</b>	<b>1.6200e-003</b>	<b>0.1374</b>	<b>1.4200e-003</b>	<b>0.1388</b>	<b>0.0370</b>	<b>1.3400e-003</b>	<b>0.0384</b>		<b>168.6678</b>	<b>168.6678</b>	<b>4.6000e-003</b>	<b>0.0130</b>	<b>172.6513</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	lb/day										lb/day					
Archit. Coating	7.7090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>7.8798</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Electrical, Process Mechanical, and Instrumentation - 2025**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.2200e-003	0.1452	0.0554	7.0000e-004	0.0256	8.5000e-004	0.0265	7.3700e-003	8.1000e-004	8.1900e-003		75.8757	75.8757	2.6400e-003	0.0110	79.2238
Worker	0.0279	0.0172	0.3043	9.2000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.3000e-004	0.0302		92.7921	92.7921	1.9600e-003	1.9700e-003	93.4275
<b>Total</b>	<b>0.0321</b>	<b>0.1624</b>	<b>0.3597</b>	<b>1.6200e-003</b>	<b>0.1374</b>	<b>1.4200e-003</b>	<b>0.1388</b>	<b>0.0370</b>	<b>1.3400e-003</b>	<b>0.0384</b>		<b>168.6678</b>	<b>168.6678</b>	<b>4.6000e-003</b>	<b>0.0130</b>	<b>172.6513</b>

**3.7 Startup and Testing - 2025**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9346	6.4377	8.7100	0.0228		0.2548	0.2548		0.2466	0.2466		2,184.1581	2,184.1581	0.4544		2,195.5191
<b>Total</b>	<b>8.6435</b>	<b>6.4377</b>	<b>8.7100</b>	<b>0.0228</b>		<b>0.2548</b>	<b>0.2548</b>		<b>0.2466</b>	<b>0.2466</b>		<b>2,184.1581</b>	<b>2,184.1581</b>	<b>0.4544</b>		<b>2,195.5191</b>



Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Startup and Testing - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	8.4500e-003	0.2903	0.1108	1.4100e-003	0.0512	1.7000e-003	0.0529	0.0148	1.6300e-003	0.0164		151.7514	151.7514	5.2900e-003	0.0220	158.4475
Worker	0.0279	0.0172	0.3043	9.2000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.3000e-004	0.0302		92.7921	92.7921	1.9600e-003	1.9700e-003	93.4275
<b>Total</b>	<b>0.0364</b>	<b>0.3076</b>	<b>0.4151</b>	<b>2.3300e-003</b>	<b>0.1630</b>	<b>2.2700e-003</b>	<b>0.1653</b>	<b>0.0444</b>	<b>2.1600e-003</b>	<b>0.0465</b>		<b>244.5435</b>	<b>244.5435</b>	<b>7.2500e-003</b>	<b>0.0240</b>	<b>251.8750</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	lb/day										lb/day					
Archit. Coating	7.7090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9346	6.4377	8.7100	0.0228		0.2548	0.2548		0.2466	0.2466	0.0000	2,184.1580	2,184.1580	0.4544		2,195.5191
<b>Total</b>	<b>8.6435</b>	<b>6.4377</b>	<b>8.7100</b>	<b>0.0228</b>		<b>0.2548</b>	<b>0.2548</b>		<b>0.2466</b>	<b>0.2466</b>	<b>0.0000</b>	<b>2,184.1580</b>	<b>2,184.1580</b>	<b>0.4544</b>		<b>2,195.5191</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Startup and Testing - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	8.4500e-003	0.2903	0.1108	1.4100e-003	0.0512	1.7000e-003	0.0529	0.0148	1.6300e-003	0.0164		151.7514	151.7514	5.2900e-003	0.0220	158.4475
Worker	0.0279	0.0172	0.3043	9.2000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.3000e-004	0.0302		92.7921	92.7921	1.9600e-003	1.9700e-003	93.4275
<b>Total</b>	<b>0.0364</b>	<b>0.3076</b>	<b>0.4151</b>	<b>2.3300e-003</b>	<b>0.1630</b>	<b>2.2700e-003</b>	<b>0.1653</b>	<b>0.0444</b>	<b>2.1600e-003</b>	<b>0.0465</b>		<b>244.5435</b>	<b>244.5435</b>	<b>7.2500e-003</b>	<b>0.0240</b>	<b>251.8750</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**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
Other Asphalt Surfaces	16.60	8.40	6.90	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
Other Asphalt Surfaces	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0504	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131
Unmitigated	1.0504	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131
<b>Total</b>	<b>1.0504</b>	<b>5.0000e-005</b>	<b>5.7000e-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>0.0123</b>	<b>0.0123</b>	<b>3.0000e-005</b>		<b>0.0131</b>

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131
<b>Total</b>	<b>1.0504</b>	<b>5.0000e-005</b>	<b>5.7000e-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>0.0123</b>	<b>0.0123</b>	<b>3.0000e-005</b>		<b>0.0131</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Haynes Generating Station - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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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Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**Haynes Generating Station  
South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	56.00	Acre	56.00	2,439,360.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	9			<b>Operational Year</b>	2026
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<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 - Alignment A1 total area
- Construction Phase - Project Description
- Off-road Equipment -
- Off-road Equipment - default
- Off-road Equipment - assume total disturbance is max 5 acres/day
- Off-road Equipment -
- Off-road Equipment - default but scaled down
- Off-road Equipment - construction equipment estimate
- Trips and VMT - trip estimate from Project Description and max 10 haul truck trips per day
- Demolition - no demolition
- Grading - cut/fill balanced on site

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Construction Off-road Equipment Mitigation - best practice - water 2x/day

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	75.00	88.00
tblConstructionPhase	NumDays	75.00	88.00
tblConstructionPhase	NumDays	1,110.00	130.00
tblConstructionPhase	NumDays	75.00	88.00
tblConstructionPhase	NumDays	40.00	42.00
tblGrading	AcresOfGrading	21.00	60.00
tblOffRoadEquipment	HorsePower	221.00	250.00
tblOffRoadEquipment	HorsePower	84.00	200.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	3.00
tblOffRoadEquipment	UsageHours	7.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	168.00
tblTripsAndVMT	HaulingTripNumber	0.00	2,340.00
tblTripsAndVMT	HaulingTripNumber	0.00	260.00
tblTripsAndVMT	HaulingTripNumber	0.00	176.00
tblTripsAndVMT	VendorTripNumber	0.00	16.00
tblTripsAndVMT	VendorTripNumber	0.00	20.00
tblTripsAndVMT	VendorTripNumber	400.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	120.00

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tbITripsAndVMT	WorkerTripNumber	38.00	100.00
tbITripsAndVMT	WorkerTripNumber	1,025.00	20.00
tbITripsAndVMT	WorkerTripNumber	15.00	20.00
tbITripsAndVMT	WorkerTripNumber	205.00	10.00
tbITripsAndVMT	WorkerTripNumber	205.00	10.00

**2.0 Emissions Summary**

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Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	1.0504	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.0504</b>	<b>5.0000e-005</b>	<b>5.7000e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0123</b>	<b>0.0123</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0131</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	1.0504	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.0504</b>	<b>5.0000e-005</b>	<b>5.7000e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0123</b>	<b>0.0123</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0131</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	Site Clearing and Utility Relocation	Site Preparation	1/2/2025	2/28/2025	5	42	
2	Trench Excavation and Sitework	Trenching	3/1/2025	8/29/2025	5	130	
3	Structural Facilities	Building Construction	3/1/2025	8/29/2025	5	130	
4	Paving and Striping	Paving	9/1/2025	12/31/2025	5	88	
5	Electrical, Process Mechanical, and Instrumentation	Architectural Coating	9/1/2025	12/31/2025	5	88	
6	Startup and Testing	Architectural Coating	9/1/2025	12/31/2025	5	88	

**Acres of Grading (Site Preparation Phase): 60**

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

**Acres of Paving: 56**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 146,362 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Clearing and Utility Relocation	Concrete/Industrial Saws	1	6.00	81	0.73
Site Clearing and Utility Relocation	Generator Sets	2	6.00	84	0.74
Site Clearing and Utility Relocation	Rollers	1	8.00	80	0.38
Site Clearing and Utility Relocation	Rubber Tired Dozers	1	8.00	247	0.40
Site Clearing and Utility Relocation	Sweepers/Scrubbers	1	8.00	64	0.46

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Site Clearing and Utility Relocation	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Trench Excavation and Sitework	Air Compressors	2	6.00	78	0.48
Trench Excavation and Sitework	Bore/Drill Rigs	1	6.00	250	0.50
Trench Excavation and Sitework	Excavators	1	8.00	158	0.38
Trench Excavation and Sitework	Forklifts	2	8.00	89	0.20
Trench Excavation and Sitework	Graders	1	8.00	187	0.41
Trench Excavation and Sitework	Off-Highway Trucks	2	8.00	402	0.38
Trench Excavation and Sitework	Pumps	2	8.00	200	0.74
Trench Excavation and Sitework	Rubber Tired Dozers	1	8.00	247	0.40
Trench Excavation and Sitework	Scrapers	1	8.00	367	0.48
Trench Excavation and Sitework	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Structural Facilities	Cranes	1	2.00	231	0.29
Structural Facilities	Forklifts	1	8.00	89	0.20
Structural Facilities	Generator Sets	1	6.00	84	0.74
Structural Facilities	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Structural Facilities	Welders	1	4.00	46	0.45
Paving and Striping	Pavers	2	8.00	130	0.42
Paving and Striping	Paving Equipment	2	8.00	132	0.36
Paving and Striping	Rollers	2	8.00	80	0.38
Electrical, Process Mechanical, and Instrumentation	Air Compressors	1	6.00	78	0.48
Startup and Testing	Air Compressors	1	6.00	78	0.48
Startup and Testing	Off-Highway Trucks	1	8.00	402	0.38
Startup and Testing	Pumps	1	8.00	84	0.74

**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
Site Clearing and Utility Relocation	9	120.00	16.00	168.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Trench Excavation and Sitework	15	100.00	20.00	2,340.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Structural Facilities	5	20.00	4.00	260.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving and Striping	6	20.00	8.00	176.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Electrical, Process Mechanical and Instrumentation	1	10.00	4.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Startup and Testing	3	10.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Clearing and Utility Relocation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.5371	0.0000	7.5371	3.4738	0.0000	3.4738			0.0000			0.0000
Off-Road	1.9598	18.8375	21.6588	0.0376		0.8206	0.8206		0.7720	0.7720		3,612.417 1	3,612.417 1	0.7764		3,631.827 2
<b>Total</b>	<b>1.9598</b>	<b>18.8375</b>	<b>21.6588</b>	<b>0.0376</b>	<b>7.5371</b>	<b>0.8206</b>	<b>8.3577</b>	<b>3.4738</b>	<b>0.7720</b>	<b>4.2458</b>		<b>3,612.417 1</b>	<b>3,612.417 1</b>	<b>0.7764</b>		<b>3,631.827 2</b>



Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Clearing and Utility Relocation - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.9100e-003	0.5034	0.1412	2.2100e-003	0.0700	3.6700e-003	0.0736	0.0192	3.5100e-003	0.0227		243.6926	243.6926	0.0141	0.0387	255.5899
Vendor	0.0161	0.6095	0.2287	2.8200e-003	0.1025	3.4200e-003	0.1059	0.0295	3.2700e-003	0.0328		304.0690	304.0690	0.0105	0.0442	317.4944
Worker	0.3556	0.2256	3.3087	0.0104	1.3413	6.8600e-003	1.3482	0.3557	6.3100e-003	0.3620		1,049.0168	1,049.0168	0.0239	0.0250	1,057.0734
<b>Total</b>	<b>0.3796</b>	<b>1.3386</b>	<b>3.6786</b>	<b>0.0154</b>	<b>1.5137</b>	<b>0.0140</b>	<b>1.5277</b>	<b>0.4044</b>	<b>0.0131</b>	<b>0.4175</b>		<b>1,596.7783</b>	<b>1,596.7783</b>	<b>0.0485</b>	<b>0.1079</b>	<b>1,630.1576</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	lb/day										lb/day					
Fugitive Dust					3.3917	0.0000	3.3917	1.5632	0.0000	1.5632			0.0000			0.0000
Off-Road	1.9598	18.8375	21.6588	0.0376		0.8206	0.8206		0.7720	0.7720	0.0000	3,612.4171	3,612.4171	0.7764		3,631.8272
<b>Total</b>	<b>1.9598</b>	<b>18.8375</b>	<b>21.6588</b>	<b>0.0376</b>	<b>3.3917</b>	<b>0.8206</b>	<b>4.2123</b>	<b>1.5632</b>	<b>0.7720</b>	<b>2.3352</b>	<b>0.0000</b>	<b>3,612.4171</b>	<b>3,612.4171</b>	<b>0.7764</b>		<b>3,631.8272</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 Site Clearing and Utility Relocation - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.9100e-003	0.5034	0.1412	2.2100e-003	0.0700	3.6700e-003	0.0736	0.0192	3.5100e-003	0.0227		243.6926	243.6926	0.0141	0.0387	255.5899
Vendor	0.0161	0.6095	0.2287	2.8200e-003	0.1025	3.4200e-003	0.1059	0.0295	3.2700e-003	0.0328		304.0690	304.0690	0.0105	0.0442	317.4944
Worker	0.3556	0.2256	3.3087	0.0104	1.3413	6.8600e-003	1.3482	0.3557	6.3100e-003	0.3620		1,049.0168	1,049.0168	0.0239	0.0250	1,057.0734
<b>Total</b>	<b>0.3796</b>	<b>1.3386</b>	<b>3.6786</b>	<b>0.0154</b>	<b>1.5137</b>	<b>0.0140</b>	<b>1.5277</b>	<b>0.4044</b>	<b>0.0131</b>	<b>0.4175</b>		<b>1,596.7783</b>	<b>1,596.7783</b>	<b>0.0485</b>	<b>0.1079</b>	<b>1,630.1576</b>

**3.3 Trench Excavation and Sitework - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	4.5406	37.0123	36.9795	0.1165		1.4191	1.4191		1.3259	1.3259		11,203.1463	11,203.1463	2.5855		11,267.7846
<b>Total</b>	<b>4.5406</b>	<b>37.0123</b>	<b>36.9795</b>	<b>0.1165</b>		<b>1.4191</b>	<b>1.4191</b>		<b>1.3259</b>	<b>1.3259</b>		<b>11,203.1463</b>	<b>11,203.1463</b>	<b>2.5855</b>		<b>11,267.7846</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Trench Excavation and Sitework - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0356	2.2654	0.6356	9.9500e-003	0.3148	0.0165	0.3313	0.0863	0.0158	0.1021		1,096.6166	1,096.6166	0.0634	0.1743	1,150.1543
Vendor	0.0201	0.7619	0.2859	3.5200e-003	0.1281	4.2700e-003	0.1323	0.0369	4.0900e-003	0.0410		380.0862	380.0862	0.0132	0.0552	396.8680
Worker	0.2963	0.1880	2.7572	8.6500e-003	1.1178	5.7100e-003	1.1235	0.2964	5.2600e-003	0.3017		874.1806	874.1806	0.0199	0.0209	880.8945
<b>Total</b>	<b>0.3520</b>	<b>3.2154</b>	<b>3.6787</b>	<b>0.0221</b>	<b>1.5607</b>	<b>0.0265</b>	<b>1.5872</b>	<b>0.4196</b>	<b>0.0251</b>	<b>0.4447</b>		<b>2,350.8834</b>	<b>2,350.8834</b>	<b>0.0965</b>	<b>0.2504</b>	<b>2,427.9168</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	lb/day										lb/day					
Off-Road	4.5406	37.0123	36.9795	0.1165		1.4191	1.4191		1.3259	1.3259	0.0000	11,203.1463	11,203.1463	2.5855		11,267.7846
<b>Total</b>	<b>4.5406</b>	<b>37.0123</b>	<b>36.9795</b>	<b>0.1165</b>		<b>1.4191</b>	<b>1.4191</b>		<b>1.3259</b>	<b>1.3259</b>	<b>0.0000</b>	<b>11,203.1463</b>	<b>11,203.1463</b>	<b>2.5855</b>		<b>11,267.7846</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Trench Excavation and Sitework - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0356	2.2654	0.6356	9.9500e-003	0.3148	0.0165	0.3313	0.0863	0.0158	0.1021		1,096.6166	1,096.6166	0.0634	0.1743	1,150.1543
Vendor	0.0201	0.7619	0.2859	3.5200e-003	0.1281	4.2700e-003	0.1323	0.0369	4.0900e-003	0.0410		380.0862	380.0862	0.0132	0.0552	396.8680
Worker	0.2963	0.1880	2.7572	8.6500e-003	1.1178	5.7100e-003	1.1235	0.2964	5.2600e-003	0.3017		874.1806	874.1806	0.0199	0.0209	880.8945
<b>Total</b>	<b>0.3520</b>	<b>3.2154</b>	<b>3.6787</b>	<b>0.0221</b>	<b>1.5607</b>	<b>0.0265</b>	<b>1.5872</b>	<b>0.4196</b>	<b>0.0251</b>	<b>0.4447</b>		<b>2,350.8834</b>	<b>2,350.8834</b>	<b>0.0965</b>	<b>0.2504</b>	<b>2,427.9168</b>

**3.4 Structural Facilities - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2463	7.0893	0.0119		0.2168	0.2168		0.2068	0.2068		1,123.0511	1,123.0511	0.2057		1,128.1927
<b>Total</b>	<b>0.5904</b>	<b>5.2463</b>	<b>7.0893</b>	<b>0.0119</b>		<b>0.2168</b>	<b>0.2168</b>		<b>0.2068</b>	<b>0.2068</b>		<b>1,123.0511</b>	<b>1,123.0511</b>	<b>0.2057</b>		<b>1,128.1927</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Structural Facilities - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.9500e-003	0.2517	0.0706	1.1100e-003	0.0350	1.8300e-003	0.0368	9.5900e-003	1.7500e-003	0.0113		121.8463	121.8463	7.0500e-003	0.0194	127.7949
Vendor	4.0300e-003	0.1524	0.0572	7.0000e-004	0.0256	8.5000e-004	0.0265	7.3700e-003	8.2000e-004	8.1900e-003		76.0172	76.0172	2.6300e-003	0.0110	79.3736
Worker	0.0593	0.0376	0.5515	1.7300e-003	0.2236	1.1400e-003	0.2247	0.0593	1.0500e-003	0.0603		174.8361	174.8361	3.9900e-003	4.1700e-003	176.1789
<b>Total</b>	<b>0.0672</b>	<b>0.4417</b>	<b>0.6792</b>	<b>3.5400e-003</b>	<b>0.2841</b>	<b>3.8200e-003</b>	<b>0.2880</b>	<b>0.0763</b>	<b>3.6200e-003</b>	<b>0.0799</b>		<b>372.6997</b>	<b>372.6997</b>	<b>0.0137</b>	<b>0.0346</b>	<b>383.3474</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	lb/day										lb/day					
Off-Road	0.5904	5.2463	7.0893	0.0119		0.2168	0.2168		0.2068	0.2068	0.0000	1,123.0511	1,123.0511	0.2057		1,128.1927
<b>Total</b>	<b>0.5904</b>	<b>5.2463</b>	<b>7.0893</b>	<b>0.0119</b>		<b>0.2168</b>	<b>0.2168</b>		<b>0.2068</b>	<b>0.2068</b>	<b>0.0000</b>	<b>1,123.0511</b>	<b>1,123.0511</b>	<b>0.2057</b>		<b>1,128.1927</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 Structural Facilities - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.9500e-003	0.2517	0.0706	1.1100e-003	0.0350	1.8300e-003	0.0368	9.5900e-003	1.7500e-003	0.0113		121.8463	121.8463	7.0500e-003	0.0194	127.7949
Vendor	4.0300e-003	0.1524	0.0572	7.0000e-004	0.0256	8.5000e-004	0.0265	7.3700e-003	8.2000e-004	8.1900e-003		76.0172	76.0172	2.6300e-003	0.0110	79.3736
Worker	0.0593	0.0376	0.5515	1.7300e-003	0.2236	1.1400e-003	0.2247	0.0593	1.0500e-003	0.0603		174.8361	174.8361	3.9900e-003	4.1700e-003	176.1789
<b>Total</b>	<b>0.0672</b>	<b>0.4417</b>	<b>0.6792</b>	<b>3.5400e-003</b>	<b>0.2841</b>	<b>3.8200e-003</b>	<b>0.2880</b>	<b>0.0763</b>	<b>3.6200e-003</b>	<b>0.0799</b>		<b>372.6997</b>	<b>372.6997</b>	<b>0.0137</b>	<b>0.0346</b>	<b>383.3474</b>

**3.5 Paving and Striping - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.6673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.5824</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>		<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Paving and Striping - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.9500e-003	0.2517	0.0706	1.1100e-003	0.0350	1.8300e-003	0.0368	9.5900e-003	1.7500e-003	0.0113		121.8463	121.8463	7.0500e-003	0.0194	127.7949
Vendor	8.0500e-003	0.3048	0.1144	1.4100e-003	0.0512	1.7100e-003	0.0529	0.0148	1.6300e-003	0.0164		152.0345	152.0345	5.2600e-003	0.0221	158.7472
Worker	0.0593	0.0376	0.5515	1.7300e-003	0.2236	1.1400e-003	0.2247	0.0593	1.0500e-003	0.0603		174.8361	174.8361	3.9900e-003	4.1700e-003	176.1789
<b>Total</b>	<b>0.0713</b>	<b>0.5941</b>	<b>0.7364</b>	<b>4.2500e-003</b>	<b>0.3098</b>	<b>4.6800e-003</b>	<b>0.3145</b>	<b>0.0836</b>	<b>4.4300e-003</b>	<b>0.0881</b>		<b>448.7169</b>	<b>448.7169</b>	<b>0.0163</b>	<b>0.0456</b>	<b>462.7210</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	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	1.6673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.5824</b>	<b>8.5816</b>	<b>14.5780</b>	<b>0.0228</b>		<b>0.4185</b>	<b>0.4185</b>		<b>0.3850</b>	<b>0.3850</b>	<b>0.0000</b>	<b>2,206.7452</b>	<b>2,206.7452</b>	<b>0.7137</b>		<b>2,224.5878</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Paving and Striping - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.9500e-003	0.2517	0.0706	1.1100e-003	0.0350	1.8300e-003	0.0368	9.5900e-003	1.7500e-003	0.0113		121.8463	121.8463	7.0500e-003	0.0194	127.7949
Vendor	8.0500e-003	0.3048	0.1144	1.4100e-003	0.0512	1.7100e-003	0.0529	0.0148	1.6300e-003	0.0164		152.0345	152.0345	5.2600e-003	0.0221	158.7472
Worker	0.0593	0.0376	0.5515	1.7300e-003	0.2236	1.1400e-003	0.2247	0.0593	1.0500e-003	0.0603		174.8361	174.8361	3.9900e-003	4.1700e-003	176.1789
<b>Total</b>	<b>0.0713</b>	<b>0.5941</b>	<b>0.7364</b>	<b>4.2500e-003</b>	<b>0.3098</b>	<b>4.6800e-003</b>	<b>0.3145</b>	<b>0.0836</b>	<b>4.4300e-003</b>	<b>0.0881</b>		<b>448.7169</b>	<b>448.7169</b>	<b>0.0163</b>	<b>0.0456</b>	<b>462.7210</b>

**3.6 Electrical, Process Mechanical, and Instrumentation - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>7.8798</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>



Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Electrical, Process Mechanical, and Instrumentation - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.0300e-003	0.1524	0.0572	7.0000e-004	0.0256	8.5000e-004	0.0265	7.3700e-003	8.2000e-004	8.1900e-003		76.0172	76.0172	2.6300e-003	0.0110	79.3736
Worker	0.0296	0.0188	0.2757	8.6000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.3000e-004	0.0302		87.4181	87.4181	1.9900e-003	2.0900e-003	88.0895
<b>Total</b>	<b>0.0337</b>	<b>0.1712</b>	<b>0.3329</b>	<b>1.5600e-003</b>	<b>0.1374</b>	<b>1.4200e-003</b>	<b>0.1388</b>	<b>0.0370</b>	<b>1.3500e-003</b>	<b>0.0384</b>		<b>163.4353</b>	<b>163.4353</b>	<b>4.6200e-003</b>	<b>0.0131</b>	<b>167.4631</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	lb/day										lb/day					
Archit. Coating	7.7090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>7.8798</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Electrical, Process Mechanical, and Instrumentation - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.0300e-003	0.1524	0.0572	7.0000e-004	0.0256	8.5000e-004	0.0265	7.3700e-003	8.2000e-004	8.1900e-003		76.0172	76.0172	2.6300e-003	0.0110	79.3736
Worker	0.0296	0.0188	0.2757	8.6000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.3000e-004	0.0302		87.4181	87.4181	1.9900e-003	2.0900e-003	88.0895
<b>Total</b>	<b>0.0337</b>	<b>0.1712</b>	<b>0.3329</b>	<b>1.5600e-003</b>	<b>0.1374</b>	<b>1.4200e-003</b>	<b>0.1388</b>	<b>0.0370</b>	<b>1.3500e-003</b>	<b>0.0384</b>		<b>163.4353</b>	<b>163.4353</b>	<b>4.6200e-003</b>	<b>0.0131</b>	<b>167.4631</b>

**3.7 Startup and Testing - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.7090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9346	6.4377	8.7100	0.0228		0.2548	0.2548		0.2466	0.2466		2,184.1581	2,184.1581	0.4544		2,195.5191
<b>Total</b>	<b>8.6435</b>	<b>6.4377</b>	<b>8.7100</b>	<b>0.0228</b>		<b>0.2548</b>	<b>0.2548</b>		<b>0.2466</b>	<b>0.2466</b>		<b>2,184.1581</b>	<b>2,184.1581</b>	<b>0.4544</b>		<b>2,195.5191</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Startup and Testing - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	8.0500e-003	0.3048	0.1144	1.4100e-003	0.0512	1.7100e-003	0.0529	0.0148	1.6300e-003	0.0164		152.0345	152.0345	5.2600e-003	0.0221	158.7472
Worker	0.0296	0.0188	0.2757	8.6000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.3000e-004	0.0302		87.4181	87.4181	1.9900e-003	2.0900e-003	88.0895
<b>Total</b>	<b>0.0377</b>	<b>0.3236</b>	<b>0.3901</b>	<b>2.2700e-003</b>	<b>0.1630</b>	<b>2.2800e-003</b>	<b>0.1653</b>	<b>0.0444</b>	<b>2.1600e-003</b>	<b>0.0466</b>		<b>239.4526</b>	<b>239.4526</b>	<b>7.2500e-003</b>	<b>0.0242</b>	<b>246.8367</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	lb/day										lb/day					
Archit. Coating	7.7090					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.9346	6.4377	8.7100	0.0228		0.2548	0.2548		0.2466	0.2466	0.0000	2,184.1580	2,184.1580	0.4544		2,195.5191
<b>Total</b>	<b>8.6435</b>	<b>6.4377</b>	<b>8.7100</b>	<b>0.0228</b>		<b>0.2548</b>	<b>0.2548</b>		<b>0.2466</b>	<b>0.2466</b>	<b>0.0000</b>	<b>2,184.1580</b>	<b>2,184.1580</b>	<b>0.4544</b>		<b>2,195.5191</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Startup and Testing - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	8.0500e-003	0.3048	0.1144	1.4100e-003	0.0512	1.7100e-003	0.0529	0.0148	1.6300e-003	0.0164		152.0345	152.0345	5.2600e-003	0.0221	158.7472
Worker	0.0296	0.0188	0.2757	8.6000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.3000e-004	0.0302		87.4181	87.4181	1.9900e-003	2.0900e-003	88.0895
<b>Total</b>	<b>0.0377</b>	<b>0.3236</b>	<b>0.3901</b>	<b>2.2700e-003</b>	<b>0.1630</b>	<b>2.2800e-003</b>	<b>0.1653</b>	<b>0.0444</b>	<b>2.1600e-003</b>	<b>0.0466</b>		<b>239.4526</b>	<b>239.4526</b>	<b>7.2500e-003</b>	<b>0.0242</b>	<b>246.8367</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

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

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

**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
Other Asphalt Surfaces	16.60	8.40	6.90	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
Other Asphalt Surfaces	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0504	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131
Unmitigated	1.0504	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131
<b>Total</b>	<b>1.0504</b>	<b>5.0000e-005</b>	<b>5.7000e-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>0.0123</b>	<b>0.0123</b>	<b>3.0000e-005</b>		<b>0.0131</b>



Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1859					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.7000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0123	0.0123	3.0000e-005		0.0131
<b>Total</b>	<b>1.0504</b>	<b>5.0000e-005</b>	<b>5.7000e-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>0.0123</b>	<b>0.0123</b>	<b>3.0000e-005</b>		<b>0.0131</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Haynes Generating Station - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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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