

# APPENDIX A

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CalEEMod Data Sheets

Barlow SNF - Los Angeles-South Coast County, Annual

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

**Barlow SNF**

**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Parking Lot	165.00	Space	1.48	66,000.00	0
Retirement Community	75.00	Dwelling Unit	9.20	80,454.00	215

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2024
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	691.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use - 75 room, 150 bed, 80,454 SF skilled nursing facility and 165-space parking lot on 10.68 acres

Construction Phase - Construction to start ~late Nov 2022 and end Jan 2024.

Trips and VMT - 31.1 miles to Sunshine Canyon Landfill, Sylmar. 2 vendor trips added to demo and grading phase for water trucks.

Demolition - Demolition of 20,000 SF parking lot, 430 SF slab and 926 SF building = 180.5 tons

Grading - 2,800 CY of export

Woodstoves - No fireplaces or stoves in SNF.

Construction Off-road Equipment Mitigation -

Off-road Equipment - Per developer: No crane, construction elevator (aerial lift) to be used instead.

Off-road Equipment -

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Off-road Equipment -

Off-road Equipment -

Vehicle Trips - Per TIA: Saturday and Sunday = 6.12 trips/room. Weekday VMT (with traffic mitigation) = 399 daily vehicle trips. Trip length = 3,085 daily VMT/399 daily vehicle trips => 7.73182957393 miles.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	300.00	210.00
tblFireplaces	NumberGas	63.75	0.00
tblFireplaces	NumberNoFireplace	7.50	75.00
tblFireplaces	NumberWood	3.75	0.00
tblGrading	MaterialExported	0.00	2,800.00
tblLandUse	LandUseSquareFeet	75,000.00	80,454.00
tblLandUse	LotAcreage	15.00	9.20
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	31.10
tblTripsAndVMT	HaulingTripLength	20.00	31.10
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblVehicleTrips	CC_TL	8.40	7.73
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.03	6.12

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tblVehicleTrips	SU_TR	1.95	6.12
tblVehicleTrips	WD_TR	2.40	0.00
tblVehicleTrips	WD_TR	0.00	399.00
tblWoodstoves	NumberCatalytic	3.75	0.00
tblWoodstoves	NumberNoncatalytic	3.75	0.00

**2.0 Emissions Summary**

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

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0337	0.3257	0.2653	5.2000e-004	0.0523	0.0156	0.0678	6.1300e-003	0.0145	0.0206	0.0000	45.5170	45.5170	0.0120	2.5000e-004	45.8927
2023	0.4810	1.8920	2.4499	4.8500e-003	0.2550	0.0832	0.3382	0.0862	0.0782	0.1644	0.0000	430.6786	430.6786	0.0791	9.8400e-003	435.5890
2024	0.0123	0.0956	0.1510	2.4000e-004	1.6400e-003	4.6900e-003	6.3400e-003	4.4000e-004	4.3200e-003	4.7600e-003	0.0000	21.3241	21.3241	6.5100e-003	3.0000e-005	21.4962
<b>Maximum</b>	<b>0.4810</b>	<b>1.8920</b>	<b>2.4499</b>	<b>4.8500e-003</b>	<b>0.2550</b>	<b>0.0832</b>	<b>0.3382</b>	<b>0.0862</b>	<b>0.0782</b>	<b>0.1644</b>	<b>0.0000</b>	<b>430.6786</b>	<b>430.6786</b>	<b>0.0791</b>	<b>9.8400e-003</b>	<b>435.5890</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0337	0.3257	0.2653	5.2000e-004	0.0219	0.0156	0.0375	2.7900e-003	0.0145	0.0173	0.0000	45.5170	45.5170	0.0120	2.5000e-004	45.8926
2023	0.4810	1.8920	2.4499	4.8500e-003	0.1707	0.0832	0.2539	0.0528	0.0782	0.1309	0.0000	430.6782	430.6782	0.0791	9.8400e-003	435.5887
2024	0.0123	0.0956	0.1510	2.4000e-004	1.6400e-003	4.6900e-003	6.3400e-003	4.4000e-004	4.3200e-003	4.7600e-003	0.0000	21.3241	21.3241	6.5100e-003	3.0000e-005	21.4962
<b>Maximum</b>	<b>0.4810</b>	<b>1.8920</b>	<b>2.4499</b>	<b>4.8500e-003</b>	<b>0.1707</b>	<b>0.0832</b>	<b>0.2539</b>	<b>0.0528</b>	<b>0.0782</b>	<b>0.1309</b>	<b>0.0000</b>	<b>430.6782</b>	<b>430.6782</b>	<b>0.0791</b>	<b>9.8400e-003</b>	<b>435.5887</b>

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	37.12	0.00	27.81	39.66	0.00	19.39	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	11-28-2022	2-27-2023	1.0329	1.0329
2	2-28-2023	5-27-2023	0.4482	0.4482
3	5-28-2023	8-27-2023	0.4625	0.4625
4	8-28-2023	11-27-2023	0.4640	0.4640
5	11-28-2023	2-27-2024	0.4110	0.4110
		Highest	1.0329	1.0329

**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	0.3445	8.9300e-003	0.7752	4.0000e-005		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	1.2675	1.2675	1.2200e-003	0.0000	1.2981
Energy	5.5300e-003	0.0473	0.0201	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	160.9334	160.9334	6.1100e-003	1.6200e-003	161.5682
Mobile	0.2060	0.2294	2.0782	4.4500e-003	0.4697	3.2900e-003	0.4730	0.1253	3.0600e-003	0.1284	0.0000	418.4728	418.4728	0.0291	0.0183	424.6428
Waste						0.0000	0.0000		0.0000	0.0000	7.0032	0.0000	7.0032	0.4139	0.0000	17.3501
Water						0.0000	0.0000		0.0000	0.0000	1.5503	30.7141	32.2643	0.1607	3.9400e-003	37.4550
<b>Total</b>	<b>0.5561</b>	<b>0.2856</b>	<b>2.8735</b>	<b>4.7900e-003</b>	<b>0.4697</b>	<b>0.0114</b>	<b>0.4811</b>	<b>0.1253</b>	<b>0.0112</b>	<b>0.1365</b>	<b>8.5535</b>	<b>611.3878</b>	<b>619.9413</b>	<b>0.6110</b>	<b>0.0238</b>	<b>642.3143</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	0.3445	8.9300e-003	0.7752	4.0000e-005		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	1.2675	1.2675	1.2200e-003	0.0000	1.2981
Energy	5.5300e-003	0.0473	0.0201	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	160.9334	160.9334	6.1100e-003	1.6200e-003	161.5682
Mobile	0.2060	0.2294	2.0782	4.4500e-003	0.4697	3.2900e-003	0.4730	0.1253	3.0600e-003	0.1284	0.0000	418.4728	418.4728	0.0291	0.0183	424.6428
Waste						0.0000	0.0000		0.0000	0.0000	7.0032	0.0000	7.0032	0.4139	0.0000	17.3501
Water						0.0000	0.0000		0.0000	0.0000	1.5503	30.7141	32.2643	0.1607	3.9400e-003	37.4550
<b>Total</b>	<b>0.5561</b>	<b>0.2856</b>	<b>2.8735</b>	<b>4.7900e-003</b>	<b>0.4697</b>	<b>0.0114</b>	<b>0.4811</b>	<b>0.1253</b>	<b>0.0112</b>	<b>0.1365</b>	<b>8.5535</b>	<b>611.3878</b>	<b>619.9413</b>	<b>0.6110</b>	<b>0.0238</b>	<b>642.3143</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/28/2022	12/30/2022	5	25	
2	Grading/Excavation	Grading	12/31/2022	2/10/2023	5	30	
3	Building Construction	Building Construction	2/11/2023	12/1/2023	5	210	

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4	Architectural Coating	Architectural Coating	12/2/2023	12/29/2023	5	20
5	Paving	Paving	12/30/2023	1/26/2024	5	20

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

**Acres of Grading (Grading Phase): 90**

**Acres of Paving: 1.48**

**Residential Indoor: 162,919; Residential Outdoor: 54,306; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,960 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading/Excavation	Excavators	2	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Rubber Tired Dozers	1	8.00	247	0.40
Grading/Excavation	Scrapers	2	8.00	367	0.48
Grading/Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Aerial Lifts	1	8.00	63	0.31



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Architectural Coating	Aerial Lifts	1	8.00	63	0.31
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**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	18.00	14.70	6.90	31.10	LD_Mix	HDT_Mix	HHDT
Grading/Excavation	8	20.00	2.00	350.00	14.70	6.90	31.10	LD_Mix	HDT_Mix	HHDT
Building Construction	9	82.00	19.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.9300e-003	0.0000	1.9300e-003	2.9000e-004	0.0000	2.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0330	0.3215	0.2574	4.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	42.4878	42.4878	0.0119	0.0000	42.7861
<b>Total</b>	<b>0.0330</b>	<b>0.3215</b>	<b>0.2574</b>	<b>4.9000e-004</b>	<b>1.9300e-003</b>	<b>0.0155</b>	<b>0.0175</b>	<b>2.9000e-004</b>	<b>0.0144</b>	<b>0.0147</b>	<b>0.0000</b>	<b>42.4878</b>	<b>42.4878</b>	<b>0.0119</b>	<b>0.0000</b>	<b>42.7861</b>

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**3.2 Demolition - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	6.0000e-005	2.3800e-003	4.8000e-004	1.0000e-005	2.4000e-004	2.0000e-005	2.6000e-004	7.0000e-005	2.0000e-005	8.0000e-005	0.0000	0.8511	0.8511	5.0000e-005	1.4000e-004	0.8925
Vendor	5.0000e-005	1.2900e-003	4.3000e-004	0.0000	1.6000e-004	1.0000e-005	1.7000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.4774	0.4774	2.0000e-005	7.0000e-005	0.4983
Worker	6.4000e-004	5.4000e-004	6.9600e-003	2.0000e-005	2.0500e-003	1.0000e-005	2.0700e-003	5.5000e-004	1.0000e-005	5.6000e-004	0.0000	1.7008	1.7008	5.0000e-005	5.0000e-005	1.7157
<b>Total</b>	<b>7.5000e-004</b>	<b>4.2100e-003</b>	<b>7.8700e-003</b>	<b>3.0000e-005</b>	<b>2.4500e-003</b>	<b>4.0000e-005</b>	<b>2.5000e-003</b>	<b>6.7000e-004</b>	<b>4.0000e-005</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>3.0292</b>	<b>3.0292</b>	<b>1.2000e-004</b>	<b>2.6000e-004</b>	<b>3.1065</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0330	0.3215	0.2574	4.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	42.4877	42.4877	0.0119	0.0000	42.7861
<b>Total</b>	<b>0.0330</b>	<b>0.3215</b>	<b>0.2574</b>	<b>4.9000e-004</b>	<b>7.5000e-004</b>	<b>0.0155</b>	<b>0.0163</b>	<b>1.1000e-004</b>	<b>0.0144</b>	<b>0.0146</b>	<b>0.0000</b>	<b>42.4877</b>	<b>42.4877</b>	<b>0.0119</b>	<b>0.0000</b>	<b>42.7861</b>





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**3.3 Grading/Excavation - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**3.3 Grading/Excavation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1382	0.0000	0.1382	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8028	81.8028	0.0265	0.0000	82.4642
<b>Total</b>	<b>0.0498</b>	<b>0.5177</b>	<b>0.4208</b>	<b>9.3000e-004</b>	<b>0.1382</b>	<b>0.0214</b>	<b>0.1596</b>	<b>0.0548</b>	<b>0.0197</b>	<b>0.0745</b>	<b>0.0000</b>	<b>81.8028</b>	<b>81.8028</b>	<b>0.0265</b>	<b>0.0000</b>	<b>82.4642</b>

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

**3.3 Grading/Excavation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8000e-004	0.0356	8.0600e-003	1.6000e-004	4.6800e-003	2.2000e-004	4.9000e-003	1.2900e-003	2.1000e-004	1.5000e-003	0.0000	15.6237	15.6237	8.7000e-004	2.4800e-003	16.3848
Vendor	3.0000e-005	1.2100e-003	4.5000e-004	1.0000e-005	1.9000e-004	1.0000e-005	1.9000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5455	0.5455	2.0000e-005	8.0000e-005	0.5693
Worker	9.5000e-004	7.6000e-004	0.0103	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.6495	2.6495	7.0000e-005	7.0000e-005	2.6716
<b>Total</b>	<b>1.4600e-003</b>	<b>0.0376</b>	<b>0.0188</b>	<b>2.0000e-004</b>	<b>8.1600e-003</b>	<b>2.5000e-004</b>	<b>8.4000e-003</b>	<b>2.2100e-003</b>	<b>2.4000e-004</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>18.8187</b>	<b>18.8187</b>	<b>9.6000e-004</b>	<b>2.6300e-003</b>	<b>19.6257</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0539	0.0000	0.0539	0.0214	0.0000	0.0214	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.5177	0.4208	9.3000e-004		0.0214	0.0214		0.0197	0.0197	0.0000	81.8027	81.8027	0.0265	0.0000	82.4641
<b>Total</b>	<b>0.0498</b>	<b>0.5177</b>	<b>0.4208</b>	<b>9.3000e-004</b>	<b>0.0539</b>	<b>0.0214</b>	<b>0.0753</b>	<b>0.0214</b>	<b>0.0197</b>	<b>0.0410</b>	<b>0.0000</b>	<b>81.8027</b>	<b>81.8027</b>	<b>0.0265</b>	<b>0.0000</b>	<b>82.4641</b>

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

**3.3 Grading/Excavation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8000e-004	0.0356	8.0600e-003	1.6000e-004	4.6800e-003	2.2000e-004	4.9000e-003	1.2900e-003	2.1000e-004	1.5000e-003	0.0000	15.6237	15.6237	8.7000e-004	2.4800e-003	16.3848
Vendor	3.0000e-005	1.2100e-003	4.5000e-004	1.0000e-005	1.9000e-004	1.0000e-005	1.9000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.5455	0.5455	2.0000e-005	8.0000e-005	0.5693
Worker	9.5000e-004	7.6000e-004	0.0103	3.0000e-005	3.2900e-003	2.0000e-005	3.3100e-003	8.7000e-004	2.0000e-005	8.9000e-004	0.0000	2.6495	2.6495	7.0000e-005	7.0000e-005	2.6716
<b>Total</b>	<b>1.4600e-003</b>	<b>0.0376</b>	<b>0.0188</b>	<b>2.0000e-004</b>	<b>8.1600e-003</b>	<b>2.5000e-004</b>	<b>8.4000e-003</b>	<b>2.2100e-003</b>	<b>2.4000e-004</b>	<b>2.4500e-003</b>	<b>0.0000</b>	<b>18.8187</b>	<b>18.8187</b>	<b>9.6000e-004</b>	<b>2.6300e-003</b>	<b>19.6257</b>

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1365	1.2159	1.6517	2.4800e-003		0.0598	0.0598		0.0566	0.0566	0.0000	212.3090	212.3090	0.0479	0.0000	213.5052
<b>Total</b>	<b>0.1365</b>	<b>1.2159</b>	<b>1.6517</b>	<b>2.4800e-003</b>		<b>0.0598</b>	<b>0.0598</b>		<b>0.0566</b>	<b>0.0566</b>	<b>0.0000</b>	<b>212.3090</b>	<b>212.3090</b>	<b>0.0479</b>	<b>0.0000</b>	<b>213.5052</b>

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**3.4 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2500e-003	0.0804	0.0301	3.7000e-004	0.0126	3.9000e-004	0.0130	3.6300e-003	3.7000e-004	4.0000e-003	0.0000	36.2735	36.2735	1.2100e-003	5.2200e-003	37.8595
Worker	0.0273	0.0217	0.2941	8.2000e-004	0.0944	5.8000e-004	0.0949	0.0251	5.3000e-004	0.0256	0.0000	76.0415	76.0415	2.0000e-003	1.9500e-003	76.6740
<b>Total</b>	<b>0.0296</b>	<b>0.1021</b>	<b>0.3242</b>	<b>1.1900e-003</b>	<b>0.1069</b>	<b>9.7000e-004</b>	<b>0.1079</b>	<b>0.0287</b>	<b>9.0000e-004</b>	<b>0.0296</b>	<b>0.0000</b>	<b>112.3150</b>	<b>112.3150</b>	<b>3.2100e-003</b>	<b>7.1700e-003</b>	<b>114.5335</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1365	1.2159	1.6517	2.4800e-003		0.0598	0.0598		0.0566	0.0566	0.0000	212.3087	212.3087	0.0479	0.0000	213.5049
<b>Total</b>	<b>0.1365</b>	<b>1.2159</b>	<b>1.6517</b>	<b>2.4800e-003</b>		<b>0.0598</b>	<b>0.0598</b>		<b>0.0566</b>	<b>0.0566</b>	<b>0.0000</b>	<b>212.3087</b>	<b>212.3087</b>	<b>0.0479</b>	<b>0.0000</b>	<b>213.5049</b>



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

**3.4 Building Construction - 2023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2500e-003	0.0804	0.0301	3.7000e-004	0.0126	3.9000e-004	0.0130	3.6300e-003	3.7000e-004	4.0000e-003	0.0000	36.2735	36.2735	1.2100e-003	5.2200e-003	37.8595
Worker	0.0273	0.0217	0.2941	8.2000e-004	0.0944	5.8000e-004	0.0949	0.0251	5.3000e-004	0.0256	0.0000	76.0415	76.0415	2.0000e-003	1.9500e-003	76.6740
<b>Total</b>	<b>0.0296</b>	<b>0.1021</b>	<b>0.3242</b>	<b>1.1900e-003</b>	<b>0.1069</b>	<b>9.7000e-004</b>	<b>0.1079</b>	<b>0.0287</b>	<b>9.0000e-004</b>	<b>0.0296</b>	<b>0.0000</b>	<b>112.3150</b>	<b>112.3150</b>	<b>3.2100e-003</b>	<b>7.1700e-003</b>	<b>114.5335</b>

**3.5 Architectural Coating - 2023**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2600e-003	0.0183	0.0290	5.0000e-005		8.0000e-004	8.0000e-004		7.9000e-004	7.9000e-004	0.0000	4.0200	4.0200	6.3000e-004	0.0000	4.0356
<b>Total</b>	<b>0.2632</b>	<b>0.0183</b>	<b>0.0290</b>	<b>5.0000e-005</b>		<b>8.0000e-004</b>	<b>8.0000e-004</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>4.0200</b>	<b>4.0200</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>4.0356</b>

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

**3.5 Architectural Coating - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	4.0000e-004	5.4700e-003	2.0000e-005	1.7500e-003	1.0000e-005	1.7600e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.4131	1.4131	4.0000e-005	4.0000e-005	1.4248
<b>Total</b>	<b>5.1000e-004</b>	<b>4.0000e-004</b>	<b>5.4700e-003</b>	<b>2.0000e-005</b>	<b>1.7500e-003</b>	<b>1.0000e-005</b>	<b>1.7600e-003</b>	<b>4.7000e-004</b>	<b>1.0000e-005</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>1.4131</b>	<b>1.4131</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.4248</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2609					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2600e-003	0.0183	0.0290	5.0000e-005		8.0000e-004	8.0000e-004		7.9000e-004	7.9000e-004	0.0000	4.0200	4.0200	6.3000e-004	0.0000	4.0356
<b>Total</b>	<b>0.2632</b>	<b>0.0183</b>	<b>0.0290</b>	<b>5.0000e-005</b>		<b>8.0000e-004</b>	<b>8.0000e-004</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>4.0200</b>	<b>4.0200</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>4.0356</b>





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

**3.6 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1885
Paving	1.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0118</b>	<b>0.0953</b>	<b>0.1463</b>	<b>2.3000e-004</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>4.3100e-003</b>	<b>4.3100e-003</b>	<b>0.0000</b>	<b>20.0265</b>	<b>20.0265</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1885</b>

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**3.6 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.4000e-004	4.7700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2976	1.2976	3.0000e-005	3.0000e-005	1.3078
<b>Total</b>	<b>4.4000e-004</b>	<b>3.4000e-004</b>	<b>4.7700e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.2976</b>	<b>1.2976</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.3078</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.8800e-003	0.0953	0.1463	2.3000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	20.0265	20.0265	6.4800e-003	0.0000	20.1884
Paving	1.9400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0118</b>	<b>0.0953</b>	<b>0.1463</b>	<b>2.3000e-004</b>		<b>4.6900e-003</b>	<b>4.6900e-003</b>		<b>4.3100e-003</b>	<b>4.3100e-003</b>	<b>0.0000</b>	<b>20.0265</b>	<b>20.0265</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1884</b>

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**3.6 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.4000e-004	3.4000e-004	4.7700e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2976	1.2976	3.0000e-005	3.0000e-005	1.3078	
<b>Total</b>	<b>4.4000e-004</b>	<b>3.4000e-004</b>	<b>4.7700e-003</b>	<b>1.0000e-005</b>	<b>1.6400e-003</b>	<b>1.0000e-005</b>	<b>1.6500e-003</b>	<b>4.4000e-004</b>	<b>1.0000e-005</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.2976</b>	<b>1.2976</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.3078</b>	

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Barlow SNF - Los Angeles-South Coast County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2060	0.2294	2.0782	4.4500e-003	0.4697	3.2900e-003	0.4730	0.1253	3.0600e-003	0.1284	0.0000	418.4728	418.4728	0.0291	0.0183	424.6428
Unmitigated	0.2060	0.2294	2.0782	4.4500e-003	0.4697	3.2900e-003	0.4730	0.1253	3.0600e-003	0.1284	0.0000	418.4728	418.4728	0.0291	0.0183	424.6428

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Retirement Community	0.00	459.00	459.00	448,135	448,135
User Defined Commercial	399.00	0.00	0.00	802,100	802,100
<b>Total</b>	<b>399.00</b>	<b>459.00</b>	<b>459.00</b>	<b>1,250,235</b>	<b>1,250,235</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
User Defined Commercial	0.00	7.73	0.00	0.00	100.00	0.00	100	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Retirement Community	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352



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

User Defined Commercial	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	106.1834	106.1834	5.0600e-003	6.1000e-004	106.4930
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	106.1834	106.1834	5.0600e-003	6.1000e-004	106.4930
NaturalGas Mitigated	5.5300e-003	0.0473	0.0201	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.7500	54.7500	1.0500e-003	1.0000e-003	55.0753
NaturalGas Unmitigated	5.5300e-003	0.0473	0.0201	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.7500	54.7500	1.0500e-003	1.0000e-003	55.0753

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

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

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	1.02598e+006	5.5300e-003	0.0473	0.0201	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.7500	54.7500	1.0500e-003	1.0000e-003	55.0753
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.5300e-003</b>	<b>0.0473</b>	<b>0.0201</b>	<b>3.0000e-004</b>		<b>3.8200e-003</b>	<b>3.8200e-003</b>		<b>3.8200e-003</b>	<b>3.8200e-003</b>	<b>0.0000</b>	<b>54.7500</b>	<b>54.7500</b>	<b>1.0500e-003</b>	<b>1.0000e-003</b>	<b>55.0753</b>

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

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

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	1.02598e+006	5.5300e-003	0.0473	0.0201	3.0000e-004		3.8200e-003	3.8200e-003		3.8200e-003	3.8200e-003	0.0000	54.7500	54.7500	1.0500e-003	1.0000e-003	55.0753
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>5.5300e-003</b>	<b>0.0473</b>	<b>0.0201</b>	<b>3.0000e-004</b>		<b>3.8200e-003</b>	<b>3.8200e-003</b>		<b>3.8200e-003</b>	<b>3.8200e-003</b>	<b>0.0000</b>	<b>54.7500</b>	<b>54.7500</b>	<b>1.0500e-003</b>	<b>1.0000e-003</b>	<b>55.0753</b>

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

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	23100	7.2506	3.5000e-004	4.0000e-005	7.2717
Retirement Community	315197	98.9329	4.7200e-003	5.7000e-004	99.2213
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>106.1834</b>	<b>5.0700e-003</b>	<b>6.1000e-004</b>	<b>106.4930</b>

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

**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	23100	7.2506	3.5000e-004	4.0000e-005	7.2717
Retirement Community	315197	98.9329	4.7200e-003	5.7000e-004	99.2213
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>106.1834</b>	<b>5.0700e-003</b>	<b>6.1000e-004</b>	<b>106.4930</b>

**6.0 Area Detail**

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**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3445	8.9300e-003	0.7752	4.0000e-005		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	1.2675	1.2675	1.2200e-003	0.0000	1.2981
Unmitigated	0.3445	8.9300e-003	0.7752	4.0000e-005		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	1.2675	1.2675	1.2200e-003	0.0000	1.2981

**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	0.0261					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2950					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0234	8.9300e-003	0.7752	4.0000e-005		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	1.2675	1.2675	1.2200e-003	0.0000	1.2981
<b>Total</b>	<b>0.3445</b>	<b>8.9300e-003</b>	<b>0.7752</b>	<b>4.0000e-005</b>		<b>4.2900e-003</b>	<b>4.2900e-003</b>		<b>4.2900e-003</b>	<b>4.2900e-003</b>	<b>0.0000</b>	<b>1.2675</b>	<b>1.2675</b>	<b>1.2200e-003</b>	<b>0.0000</b>	<b>1.2981</b>

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0261					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2950					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0234	8.9300e-003	0.7752	4.0000e-005		4.2900e-003	4.2900e-003		4.2900e-003	4.2900e-003	0.0000	1.2675	1.2675	1.2200e-003	0.0000	1.2981
<b>Total</b>	<b>0.3445</b>	<b>8.9300e-003</b>	<b>0.7752</b>	<b>4.0000e-005</b>		<b>4.2900e-003</b>	<b>4.2900e-003</b>		<b>4.2900e-003</b>	<b>4.2900e-003</b>	<b>0.0000</b>	<b>1.2675</b>	<b>1.2675</b>	<b>1.2200e-003</b>	<b>0.0000</b>	<b>1.2981</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	32.2643	0.1607	3.9400e-003	37.4550
Unmitigated	32.2643	0.1607	3.9400e-003	37.4550

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	4.88655 / 3.08065	32.2643	0.1607	3.9400e-003	37.4550
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>32.2643</b>	<b>0.1607</b>	<b>3.9400e-003</b>	<b>37.4550</b>



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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Retirement Community	4.88655 / 3.08065	32.2643	0.1607	3.9400e-003	37.4550
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>32.2643</b>	<b>0.1607</b>	<b>3.9400e-003</b>	<b>37.4550</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Barlow SNF - Los Angeles-South Coast County, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.0032	0.4139	0.0000	17.3501
Unmitigated	7.0032	0.4139	0.0000	17.3501

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	34.5	7.0032	0.4139	0.0000	17.3501
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.0032</b>	<b>0.4139</b>	<b>0.0000</b>	<b>17.3501</b>

Barlow SNF - Los Angeles-South Coast County, Annual

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

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Retirement Community	34.5	7.0032	0.4139	0.0000	17.3501
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.0032</b>	<b>0.4139</b>	<b>0.0000</b>	<b>17.3501</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

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

**11.0 Vegetation**

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Barlow SNF - Los Angeles-South Coast County, Summer

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

**Barlow SNF**

**Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Parking Lot	165.00	Space	1.48	66,000.00	0
Retirement Community	75.00	Dwelling Unit	9.20	80,454.00	215

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2024
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	691.98	<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 - 75 room, 150 bed, 80,454 SF skilled nursing facility and 165-space parking lot on 10.68 acres

Construction Phase - Construction to start ~late Nov 2022 and end Jan 2024.

Trips and VMT - 31.1 miles to Sunshine Canyon Landfill, Sylmar. 2 vendor trips added to demo and grading phase for water trucks.

Demolition - Demolition of 20,000 SF parking lot, 430 SF slab and 926 SF building = 180.5 tons

Grading - 2,800 CY of export

Woodstoves - No fireplaces or stoves in SNF.

Construction Off-road Equipment Mitigation -

Off-road Equipment - Per developer: No crane, construction elevator (aerial lift) to be used instead.

Off-road Equipment -

Barlow SNF - Los Angeles-South Coast County, Summer

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

Off-road Equipment -

Off-road Equipment -

Vehicle Trips - Per TIA: Saturday and Sunday = 6.12 trips/room. Weekday VMT (with traffic mitigation) = 399 daily vehicle trips. Trip length = 3,085 daily VMT/399 daily vehicle trips => 7.73182957393 miles.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	300.00	210.00
tblFireplaces	NumberGas	63.75	0.00
tblFireplaces	NumberNoFireplace	7.50	75.00
tblFireplaces	NumberWood	3.75	0.00
tblGrading	MaterialExported	0.00	2,800.00
tblLandUse	LandUseSquareFeet	75,000.00	80,454.00
tblLandUse	LotAcreage	15.00	9.20
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	31.10
tblTripsAndVMT	HaulingTripLength	20.00	31.10
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblVehicleTrips	CC_TL	8.40	7.73
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.03	6.12

Barlow SNF - Los Angeles-South Coast County, Summer

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

tblVehicleTrips	SU_TR	1.95	6.12
tblVehicleTrips	WD_TR	2.40	0.00
tblVehicleTrips	WD_TR	0.00	399.00
tblWoodstoves	NumberCatalytic	3.75	0.00
tblWoodstoves	NumberNoncatalytic	3.75	0.00

**2.0 Emissions Summary**

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Barlow SNF - Los Angeles-South Coast County, Summer

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

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.7755	41.9161	30.4846	0.0756	9.7679	1.6598	11.4277	3.8053	1.5279	5.3332	0.0000	7,477.5726	7,477.5726	2.0163	0.2040	7,588.7800
2023	26.3660	36.8878	29.3410	0.0749	9.7679	1.4411	11.2090	3.8053	1.3264	5.1317	0.0000	7,401.8725	7,401.8725	2.0143	0.1927	7,509.6439
2024	1.2268	9.5545	15.1317	0.0243	0.1677	0.4695	0.6372	0.0445	0.4319	0.4764	0.0000	2,356.3081	2,356.3081	0.7174	3.2200e-003	2,375.2021
<b>Maximum</b>	<b>26.3660</b>	<b>41.9161</b>	<b>30.4846</b>	<b>0.0756</b>	<b>9.7679</b>	<b>1.6598</b>	<b>11.4277</b>	<b>3.8053</b>	<b>1.5279</b>	<b>5.3332</b>	<b>0.0000</b>	<b>7,477.5726</b>	<b>7,477.5726</b>	<b>2.0163</b>	<b>0.2040</b>	<b>7,588.7800</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.7755	41.9161	30.4846	0.0756	4.1473	1.6598	5.8071	1.5756	1.5279	3.1035	0.0000	7,477.5726	7,477.5726	2.0163	0.2040	7,588.7800
2023	26.3660	36.8878	29.3410	0.0749	4.1473	1.4411	5.5884	1.5756	1.3264	2.9020	0.0000	7,401.8725	7,401.8725	2.0143	0.1927	7,509.6438
2024	1.2268	9.5545	15.1317	0.0243	0.1677	0.4695	0.6372	0.0445	0.4319	0.4764	0.0000	2,356.3081	2,356.3081	0.7174	3.2200e-003	2,375.2021
<b>Maximum</b>	<b>26.3660</b>	<b>41.9161</b>	<b>30.4846</b>	<b>0.0756</b>	<b>4.1473</b>	<b>1.6598</b>	<b>5.8071</b>	<b>1.5756</b>	<b>1.5279</b>	<b>3.1035</b>	<b>0.0000</b>	<b>7,477.5726</b>	<b>7,477.5726</b>	<b>2.0163</b>	<b>0.2040</b>	<b>7,588.7800</b>



## Barlow SNF - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	57.05	0.00	48.30	58.26	0.00	40.76	0.00	0.00	0.00	0.00	0.00	0.00

Barlow SNF - Los Angeles-South Coast County, Summer

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.9469	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343	0.0000	11.1778	11.1778	0.0108	0.0000	11.4474
Energy	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582
Mobile	2.4762	2.4568	24.6664	0.0543	5.6664	0.0388	5.7052	1.5094	0.0361	1.5454		5,632.0203	5,632.0203	0.3660	0.2247	5,708.1204
<b>Total</b>	<b>4.4533</b>	<b>2.7873</b>	<b>30.9786</b>	<b>0.0563</b>	<b>5.6664</b>	<b>0.0941</b>	<b>5.7605</b>	<b>1.5094</b>	<b>0.0913</b>	<b>1.6007</b>	<b>0.0000</b>	<b>5,973.8911</b>	<b>5,973.8911</b>	<b>0.3831</b>	<b>0.2307</b>	<b>6,052.2259</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	1.9469	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343	0.0000	11.1778	11.1778	0.0108	0.0000	11.4474
Energy	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582
Mobile	2.4762	2.4568	24.6664	0.0543	5.6664	0.0388	5.7052	1.5094	0.0361	1.5454		5,632.0203	5,632.0203	0.3660	0.2247	5,708.1204
<b>Total</b>	<b>4.4533</b>	<b>2.7873</b>	<b>30.9786</b>	<b>0.0563</b>	<b>5.6664</b>	<b>0.0941</b>	<b>5.7605</b>	<b>1.5094</b>	<b>0.0913</b>	<b>1.6007</b>	<b>0.0000</b>	<b>5,973.8911</b>	<b>5,973.8911</b>	<b>0.3831</b>	<b>0.2307</b>	<b>6,052.2259</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/28/2022	12/30/2022	5	25	
2	Grading/Excavation	Grading	12/31/2022	2/10/2023	5	30	
3	Building Construction	Building Construction	2/11/2023	12/1/2023	5	210	
4	Architectural Coating	Architectural Coating	12/2/2023	12/29/2023	5	20	
5	Paving	Paving	12/30/2023	1/26/2024	5	20	

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

**Acres of Grading (Grading Phase): 90**

**Acres of Paving: 1.48**

**Residential Indoor: 162,919; Residential Outdoor: 54,306; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,960 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading/Excavation	Excavators	2	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Rubber Tired Dozers	1	8.00	247	0.40

Barlow SNF - Los Angeles-South Coast County, Summer

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

Grading/Excavation	Scrapers	2	8.00	367	0.48
Grading/Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Aerial Lifts	1	8.00	63	0.31
Architectural Coating	Aerial Lifts	1	8.00	63	0.31

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	18.00	14.70	6.90	31.10	LD_Mix	HDT_Mix	HHDT
Grading/Excavation	8	20.00	2.00	350.00	14.70	6.90	31.10	LD_Mix	HDT_Mix	HHDT
Building Construction	9	82.00	19.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1545	0.0000	0.1545	0.0234	0.0000	0.0234			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>0.1545</b>	<b>1.2427</b>	<b>1.3972</b>	<b>0.0234</b>	<b>1.1553</b>	<b>1.1787</b>		<b>3,746.781 2</b>	<b>3,746.781 2</b>	<b>1.0524</b>		<b>3,773.092 0</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.7800e-003	0.1805	0.0383	6.8000e-004	0.0196	1.3900e-003	0.0210	5.3700e-003	1.3300e-003	6.7000e-003		75.0473	75.0473	4.0200e-003	0.0119	78.6963
Vendor	3.9400e-003	0.0980	0.0336	3.9000e-004	0.0128	9.3000e-004	0.0137	3.6900e-003	8.9000e-004	4.5800e-003		42.0923	42.0923	1.4100e-003	6.0700e-003	43.9350
Worker	0.0519	0.0379	0.5912	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		156.0191	156.0191	4.2200e-003	3.7500e-003	157.2432
<b>Total</b>	<b>0.0606</b>	<b>0.3163</b>	<b>0.6631</b>	<b>2.6000e-003</b>	<b>0.2001</b>	<b>3.3900e-003</b>	<b>0.2035</b>	<b>0.0535</b>	<b>3.2100e-003</b>	<b>0.0567</b>		<b>273.1587</b>	<b>273.1587</b>	<b>9.6500e-003</b>	<b>0.0217</b>	<b>279.8745</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0603	0.0000	0.0603	9.1200e-003	0.0000	9.1200e-003			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>0.0603</b>	<b>1.2427</b>	<b>1.3029</b>	<b>9.1200e-003</b>	<b>1.1553</b>	<b>1.1644</b>	<b>0.0000</b>	<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.7800e-003	0.1805	0.0383	6.8000e-004	0.0196	1.3900e-003	0.0210	5.3700e-003	1.3300e-003	6.7000e-003		75.0473	75.0473	4.0200e-003	0.0119	78.6963
Vendor	3.9400e-003	0.0980	0.0336	3.9000e-004	0.0128	9.3000e-004	0.0137	3.6900e-003	8.9000e-004	4.5800e-003		42.0923	42.0923	1.4100e-003	6.0700e-003	43.9350
Worker	0.0519	0.0379	0.5912	1.5300e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		156.0191	156.0191	4.2200e-003	3.7500e-003	157.2432
<b>Total</b>	<b>0.0606</b>	<b>0.3163</b>	<b>0.6631</b>	<b>2.6000e-003</b>	<b>0.2001</b>	<b>3.3900e-003</b>	<b>0.2035</b>	<b>0.0535</b>	<b>3.2100e-003</b>	<b>0.0567</b>		<b>273.1587</b>	<b>273.1587</b>	<b>9.6500e-003</b>	<b>0.0217</b>	<b>279.8745</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.3 Grading/Excavation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2141	0.0000	9.2141	3.6554	0.0000	3.6554			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2141</b>	<b>1.6349</b>	<b>10.8490</b>	<b>3.6554</b>	<b>1.5041</b>	<b>5.1595</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0775	2.9242	0.6212	0.0111	0.3174	0.0226	0.3400	0.0870	0.0216	0.1086		1,216.0443	1,216.0443	0.0651	0.1930	1,275.1716
Vendor	3.9400e-003	0.0980	0.0336	3.9000e-004	0.0128	9.3000e-004	0.0137	3.6900e-003	8.9000e-004	4.5800e-003		42.0923	42.0923	1.4100e-003	6.0700e-003	43.9350
Worker	0.0692	0.0505	0.7883	2.0400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		208.0254	208.0254	5.6300e-003	5.0000e-003	209.6576
<b>Total</b>	<b>0.1507</b>	<b>3.0727</b>	<b>1.4431</b>	<b>0.0135</b>	<b>0.5538</b>	<b>0.0249</b>	<b>0.5787</b>	<b>0.1500</b>	<b>0.0238</b>	<b>0.1738</b>		<b>1,466.1620</b>	<b>1,466.1620</b>	<b>0.0721</b>	<b>0.2040</b>	<b>1,528.7641</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.3 Grading/Excavation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5935	0.0000	3.5935	1.4256	0.0000	1.4256			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>3.5935</b>	<b>1.6349</b>	<b>5.2284</b>	<b>1.4256</b>	<b>1.5041</b>	<b>2.9297</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0775	2.9242	0.6212	0.0111	0.3174	0.0226	0.3400	0.0870	0.0216	0.1086		1,216.0443	1,216.0443	0.0651	0.1930	1,275.1716
Vendor	3.9400e-003	0.0980	0.0336	3.9000e-004	0.0128	9.3000e-004	0.0137	3.6900e-003	8.9000e-004	4.5800e-003		42.0923	42.0923	1.4100e-003	6.0700e-003	43.9350
Worker	0.0692	0.0505	0.7883	2.0400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		208.0254	208.0254	5.6300e-003	5.0000e-003	209.6576
<b>Total</b>	<b>0.1507</b>	<b>3.0727</b>	<b>1.4431</b>	<b>0.0135</b>	<b>0.5538</b>	<b>0.0249</b>	<b>0.5787</b>	<b>0.1500</b>	<b>0.0238</b>	<b>0.1738</b>		<b>1,466.1620</b>	<b>1,466.1620</b>	<b>0.0721</b>	<b>0.2040</b>	<b>1,528.7641</b>



Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.3 Grading/Excavation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2141	0.0000	9.2141	3.6554	0.0000	3.6554			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
<b>Total</b>	<b>3.3217</b>	<b>34.5156</b>	<b>28.0512</b>	<b>0.0621</b>	<b>9.2141</b>	<b>1.4245</b>	<b>10.6386</b>	<b>3.6554</b>	<b>1.3105</b>	<b>4.9659</b>		<b>6,011.4777</b>	<b>6,011.4777</b>	<b>1.9442</b>		<b>6,060.0836</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0324	2.2508	0.5354	0.0104	0.3174	0.0149	0.3323	0.0870	0.0142	0.1012		1,147.8157	1,147.8157	0.0637	0.1823	1,203.7299
Vendor	2.3000e-003	0.0768	0.0297	3.7000e-004	0.0128	3.9000e-004	0.0132	3.6900e-003	3.7000e-004	4.0600e-003		40.0565	40.0565	1.3400e-003	5.7600e-003	41.8062
Worker	0.0640	0.0447	0.7248	1.9800e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		202.5226	202.5226	5.0400e-003	4.6200e-003	204.0242
<b>Total</b>	<b>0.0987</b>	<b>2.3722</b>	<b>1.2899</b>	<b>0.0128</b>	<b>0.5538</b>	<b>0.0166</b>	<b>0.5704</b>	<b>0.1500</b>	<b>0.0158</b>	<b>0.1658</b>		<b>1,390.3948</b>	<b>1,390.3948</b>	<b>0.0701</b>	<b>0.1927</b>	<b>1,449.5603</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.3 Grading/Excavation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5935	0.0000	3.5935	1.4256	0.0000	1.4256			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
<b>Total</b>	<b>3.3217</b>	<b>34.5156</b>	<b>28.0512</b>	<b>0.0621</b>	<b>3.5935</b>	<b>1.4245</b>	<b>5.0180</b>	<b>1.4256</b>	<b>1.3105</b>	<b>2.7361</b>	<b>0.0000</b>	<b>6,011.4777</b>	<b>6,011.4777</b>	<b>1.9442</b>		<b>6,060.0836</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0324	2.2508	0.5354	0.0104	0.3174	0.0149	0.3323	0.0870	0.0142	0.1012		1,147.8157	1,147.8157	0.0637	0.1823	1,203.7299
Vendor	2.3000e-003	0.0768	0.0297	3.7000e-004	0.0128	3.9000e-004	0.0132	3.6900e-003	3.7000e-004	4.0600e-003		40.0565	40.0565	1.3400e-003	5.7600e-003	41.8062
Worker	0.0640	0.0447	0.7248	1.9800e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		202.5226	202.5226	5.0400e-003	4.6200e-003	204.0242
<b>Total</b>	<b>0.0987</b>	<b>2.3722</b>	<b>1.2899</b>	<b>0.0128</b>	<b>0.5538</b>	<b>0.0166</b>	<b>0.5704</b>	<b>0.1500</b>	<b>0.0158</b>	<b>0.1658</b>		<b>1,390.3948</b>	<b>1,390.3948</b>	<b>0.0701</b>	<b>0.1927</b>	<b>1,449.5603</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2999	11.5796	15.7309	0.0236		0.5695	0.5695		0.5386	0.5386		2,228.8629	2,228.8629	0.5023		2,241.4204
<b>Total</b>	<b>1.2999</b>	<b>11.5796</b>	<b>15.7309</b>	<b>0.0236</b>		<b>0.5695</b>	<b>0.5695</b>		<b>0.5386</b>	<b>0.5386</b>		<b>2,228.8629</b>	<b>2,228.8629</b>	<b>0.5023</b>		<b>2,241.4204</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0219	0.7293	0.2825	3.5400e-003	0.1217	3.6700e-003	0.1254	0.0350	3.5100e-003	0.0386		380.5367	380.5367	0.0128	0.0547	397.1591
Worker	0.2626	0.1831	2.9715	8.1100e-003	0.9166	5.5300e-003	0.9221	0.2431	5.0900e-003	0.2482		830.3425	830.3425	0.0207	0.0189	836.4991
<b>Total</b>	<b>0.2845</b>	<b>0.9124</b>	<b>3.2540</b>	<b>0.0117</b>	<b>1.0383</b>	<b>9.2000e-003</b>	<b>1.0475</b>	<b>0.2781</b>	<b>8.6000e-003</b>	<b>0.2867</b>		<b>1,210.8792</b>	<b>1,210.8792</b>	<b>0.0334</b>	<b>0.0736</b>	<b>1,233.6582</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.4 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2999	11.5796	15.7309	0.0236		0.5695	0.5695		0.5386	0.5386	0.0000	2,228.8629	2,228.8629	0.5023		2,241.4204
<b>Total</b>	<b>1.2999</b>	<b>11.5796</b>	<b>15.7309</b>	<b>0.0236</b>		<b>0.5695</b>	<b>0.5695</b>		<b>0.5386</b>	<b>0.5386</b>	<b>0.0000</b>	<b>2,228.8629</b>	<b>2,228.8629</b>	<b>0.5023</b>		<b>2,241.4204</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0219	0.7293	0.2825	3.5400e-003	0.1217	3.6700e-003	0.1254	0.0350	3.5100e-003	0.0386		380.5367	380.5367	0.0128	0.0547	397.1591
Worker	0.2626	0.1831	2.9715	8.1100e-003	0.9166	5.5300e-003	0.9221	0.2431	5.0900e-003	0.2482		830.3425	830.3425	0.0207	0.0189	836.4991
<b>Total</b>	<b>0.2845</b>	<b>0.9124</b>	<b>3.2540</b>	<b>0.0117</b>	<b>1.0383</b>	<b>9.2000e-003</b>	<b>1.0475</b>	<b>0.2781</b>	<b>8.6000e-003</b>	<b>0.2867</b>		<b>1,210.8792</b>	<b>1,210.8792</b>	<b>0.0334</b>	<b>0.0736</b>	<b>1,233.6582</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.5 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.0887					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2261	1.8331	2.8968	4.6400e-003		0.0800	0.0800		0.0793	0.0793		443.1237	443.1237	0.0691		444.8518
<b>Total</b>	<b>26.3148</b>	<b>1.8331</b>	<b>2.8968</b>	<b>4.6400e-003</b>		<b>0.0800</b>	<b>0.0800</b>		<b>0.0793</b>	<b>0.0793</b>		<b>443.1237</b>	<b>443.1237</b>	<b>0.0691</b>		<b>444.8518</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0512	0.0357	0.5798	1.5800e-003	0.1788	1.0800e-003	0.1799	0.0474	9.9000e-004	0.0484		162.0180	162.0180	4.0300e-003	3.6900e-003	163.2193
<b>Total</b>	<b>0.0512</b>	<b>0.0357</b>	<b>0.5798</b>	<b>1.5800e-003</b>	<b>0.1788</b>	<b>1.0800e-003</b>	<b>0.1799</b>	<b>0.0474</b>	<b>9.9000e-004</b>	<b>0.0484</b>		<b>162.0180</b>	<b>162.0180</b>	<b>4.0300e-003</b>	<b>3.6900e-003</b>	<b>163.2193</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.5 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.0887					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2261	1.8331	2.8968	4.6400e-003		0.0800	0.0800		0.0793	0.0793	0.0000	443.1237	443.1237	0.0691		444.8518
<b>Total</b>	<b>26.3148</b>	<b>1.8331</b>	<b>2.8968</b>	<b>4.6400e-003</b>		<b>0.0800</b>	<b>0.0800</b>		<b>0.0793</b>	<b>0.0793</b>	<b>0.0000</b>	<b>443.1237</b>	<b>443.1237</b>	<b>0.0691</b>		<b>444.8518</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0512	0.0357	0.5798	1.5800e-003	0.1788	1.0800e-003	0.1799	0.0474	9.9000e-004	0.0484		162.0180	162.0180	4.0300e-003	3.6900e-003	163.2193
<b>Total</b>	<b>0.0512</b>	<b>0.0357</b>	<b>0.5798</b>	<b>1.5800e-003</b>	<b>0.1788</b>	<b>1.0800e-003</b>	<b>0.1799</b>	<b>0.0474</b>	<b>9.9000e-004</b>	<b>0.0484</b>		<b>162.0180</b>	<b>162.0180</b>	<b>4.0300e-003</b>	<b>3.6900e-003</b>	<b>163.2193</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2266</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>		<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
<b>Total</b>	<b>0.0480</b>	<b>0.0335</b>	<b>0.5436</b>	<b>1.4800e-003</b>	<b>0.1677</b>	<b>1.0100e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.3000e-004</b>	<b>0.0454</b>		<b>151.8919</b>	<b>151.8919</b>	<b>3.7800e-003</b>	<b>3.4600e-003</b>	<b>153.0181</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.6 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.1939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2266</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>	<b>0.0000</b>	<b>2,207.584 1</b>	<b>2,207.584 1</b>	<b>0.7140</b>		<b>2,225.433 6</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0480	0.0335	0.5436	1.4800e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		151.8919	151.8919	3.7800e-003	3.4600e-003	153.0181
<b>Total</b>	<b>0.0480</b>	<b>0.0335</b>	<b>0.5436</b>	<b>1.4800e-003</b>	<b>0.1677</b>	<b>1.0100e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.3000e-004</b>	<b>0.0454</b>		<b>151.8919</b>	<b>151.8919</b>	<b>3.7800e-003</b>	<b>3.4600e-003</b>	<b>153.0181</b>



Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1820</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0448	0.0299	0.5060	1.4400e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		148.7609	148.7609	3.4200e-003	3.2200e-003	149.8058
<b>Total</b>	<b>0.0448</b>	<b>0.0299</b>	<b>0.5060</b>	<b>1.4400e-003</b>	<b>0.1677</b>	<b>9.7000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.9000e-004</b>	<b>0.0454</b>		<b>148.7609</b>	<b>148.7609</b>	<b>3.4200e-003</b>	<b>3.2200e-003</b>	<b>149.8058</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**3.6 Paving - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1820</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0448	0.0299	0.5060	1.4400e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		148.7609	148.7609	3.4200e-003	3.2200e-003	149.8058
<b>Total</b>	<b>0.0448</b>	<b>0.0299</b>	<b>0.5060</b>	<b>1.4400e-003</b>	<b>0.1677</b>	<b>9.7000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.9000e-004</b>	<b>0.0454</b>		<b>148.7609</b>	<b>148.7609</b>	<b>3.4200e-003</b>	<b>3.2200e-003</b>	<b>149.8058</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4762	2.4568	24.6664	0.0543	5.6664	0.0388	5.7052	1.5094	0.0361	1.5454		5,632.020 3	5,632.020 3	0.3660	0.2247	5,708.120 4
Unmitigated	2.4762	2.4568	24.6664	0.0543	5.6664	0.0388	5.7052	1.5094	0.0361	1.5454		5,632.020 3	5,632.020 3	0.3660	0.2247	5,708.120 4

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Retirement Community	0.00	459.00	459.00	448,135	448,135
User Defined Commercial	399.00	0.00	0.00	802,100	802,100
Total	399.00	459.00	459.00	1,250,235	1,250,235

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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
User Defined Commercial	0.00	7.73	0.00	0.00	100.00	0.00	100	0	0

Barlow SNF - Los Angeles-South Coast County, Summer

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Retirement Community	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
User Defined Commercial	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582
NaturalGas Unmitigated	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582

Barlow SNF - Los Angeles-South Coast County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	2810.89	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582
User Defined Commercial	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>0.0303</b>	<b>0.2590</b>	<b>0.1102</b>	<b>1.6500e-003</b>		<b>0.0209</b>	<b>0.0209</b>		<b>0.0209</b>	<b>0.0209</b>		<b>330.6931</b>	<b>330.6931</b>	<b>6.3400e-003</b>	<b>6.0600e-003</b>	<b>332.6582</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	2.81089	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582
User Defined Commercial	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>0.0303</b>	<b>0.2590</b>	<b>0.1102</b>	<b>1.6500e-003</b>		<b>0.0209</b>	<b>0.0209</b>		<b>0.0209</b>	<b>0.0209</b>		<b>330.6931</b>	<b>330.6931</b>	<b>6.3400e-003</b>	<b>6.0600e-003</b>	<b>332.6582</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Barlow SNF - Los Angeles-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9469	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343	0.0000	11.1778	11.1778	0.0108	0.0000	11.4474
Unmitigated	1.9469	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343	0.0000	11.1778	11.1778	0.0108	0.0000	11.4474

**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	0.1430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1875	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343		11.1778	11.1778	0.0108		11.4474
<b>Total</b>	<b>1.9469</b>	<b>0.0714</b>	<b>6.2019</b>	<b>3.3000e-004</b>		<b>0.0343</b>	<b>0.0343</b>		<b>0.0343</b>	<b>0.0343</b>	<b>0.0000</b>	<b>11.1778</b>	<b>11.1778</b>	<b>0.0108</b>	<b>0.0000</b>	<b>11.4474</b>

Barlow SNF - Los Angeles-South Coast County, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1875	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343		11.1778	11.1778	0.0108		11.4474
<b>Total</b>	<b>1.9469</b>	<b>0.0714</b>	<b>6.2019</b>	<b>3.3000e-004</b>		<b>0.0343</b>	<b>0.0343</b>		<b>0.0343</b>	<b>0.0343</b>	<b>0.0000</b>	<b>11.1778</b>	<b>11.1778</b>	<b>0.0108</b>	<b>0.0000</b>	<b>11.4474</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**



Barlow SNF - Los Angeles-South Coast County, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Barlow SNF - Los Angeles-South Coast County, Winter

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

**Barlow SNF**

**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Parking Lot	165.00	Space	1.48	66,000.00	0
Retirement Community	75.00	Dwelling Unit	9.20	80,454.00	215

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	11			<b>Operational Year</b>	2024
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	691.98	<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 - 75 room, 150 bed, 80,454 SF skilled nursing facility and 165-space parking lot on 10.68 acres

Construction Phase - Construction to start ~late Nov 2022 and end Jan 2024.

Trips and VMT - 31.1 miles to Sunshine Canyon Landfill, Sylmar. 2 vendor trips added to demo and grading phase for water trucks.

Demolition - Demolition of 20,000 SF parking lot, 430 SF slab and 926 SF building = 180.5 tons

Grading - 2,800 CY of export

Woodstoves - No fireplaces or stoves in SNF.

Construction Off-road Equipment Mitigation -

Off-road Equipment - Per developer: No crane, construction elevator (aerial lift) to be used instead.

Off-road Equipment -

Barlow SNF - Los Angeles-South Coast County, Winter

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

Off-road Equipment -

Off-road Equipment -

Vehicle Trips - Per TIA: Saturday and Sunday = 6.12 trips/room. Weekday VMT (with traffic mitigation) = 399 daily vehicle trips. Trip length = 3,085 daily VMT/399 daily vehicle trips => 7.73182957393 miles.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	300.00	210.00
tblFireplaces	NumberGas	63.75	0.00
tblFireplaces	NumberNoFireplace	7.50	75.00
tblFireplaces	NumberWood	3.75	0.00
tblGrading	MaterialExported	0.00	2,800.00
tblLandUse	LandUseSquareFeet	75,000.00	80,454.00
tblLandUse	LotAcreage	15.00	9.20
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	31.10
tblTripsAndVMT	HaulingTripLength	20.00	31.10
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblVehicleTrips	CC_TL	8.40	7.73
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	2.03	6.12

Barlow SNF - Los Angeles-South Coast County, Winter

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

tblVehicleTrips	SU_TR	1.95	6.12
tblVehicleTrips	WD_TR	2.40	0.00
tblVehicleTrips	WD_TR	0.00	399.00
tblWoodstoves	NumberCatalytic	3.75	0.00
tblWoodstoves	NumberNoncatalytic	3.75	0.00

**2.0 Emissions Summary**

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Barlow SNF - Los Angeles-South Coast County, Winter

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

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.7790	42.0425	30.4290	0.0755	9.7679	1.6598	11.4278	3.8053	1.5279	5.3333	0.0000	7,466.8220	7,466.8220	2.0163	0.2044	7,578.1468
2023	26.3698	36.9916	29.2887	0.0748	9.7679	1.4411	11.2090	3.8053	1.3264	5.1317	0.0000	7,392.0528	7,392.0528	2.0143	0.1931	7,499.9609
2024	1.2303	9.5576	15.0912	0.0242	0.1677	0.4695	0.6372	0.0445	0.4319	0.4764	0.0000	2,348.4782	2,348.4782	0.7174	3.4400e-003	2,367.4386
<b>Maximum</b>	<b>26.3698</b>	<b>42.0425</b>	<b>30.4290</b>	<b>0.0755</b>	<b>9.7679</b>	<b>1.6598</b>	<b>11.4278</b>	<b>3.8053</b>	<b>1.5279</b>	<b>5.3333</b>	<b>0.0000</b>	<b>7,466.8220</b>	<b>7,466.8220</b>	<b>2.0163</b>	<b>0.2044</b>	<b>7,578.1468</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.7790	42.0425	30.4290	0.0755	4.1473	1.6598	5.8071	1.5756	1.5279	3.1035	0.0000	7,466.8220	7,466.8220	2.0163	0.2044	7,578.1468
2023	26.3698	36.9916	29.2887	0.0748	4.1473	1.4411	5.5884	1.5756	1.3264	2.9020	0.0000	7,392.0528	7,392.0528	2.0143	0.1931	7,499.9609
2024	1.2303	9.5576	15.0912	0.0242	0.1677	0.4695	0.6372	0.0445	0.4319	0.4764	0.0000	2,348.4782	2,348.4782	0.7174	3.4400e-003	2,367.4386
<b>Maximum</b>	<b>26.3698</b>	<b>42.0425</b>	<b>30.4290</b>	<b>0.0755</b>	<b>4.1473</b>	<b>1.6598</b>	<b>5.8071</b>	<b>1.5756</b>	<b>1.5279</b>	<b>3.1035</b>	<b>0.0000</b>	<b>7,466.8220</b>	<b>7,466.8220</b>	<b>2.0163</b>	<b>0.2044</b>	<b>7,578.1468</b>

## Barlow SNF - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	57.05	0.00	48.30	58.26	0.00	40.76	0.00	0.00	0.00	0.00	0.00	0.00

Barlow SNF - Los Angeles-South Coast County, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.9469	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343	0.0000	11.1778	11.1778	0.0108	0.0000	11.4474
Energy	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582
Mobile	2.4301	2.6531	24.1790	0.0520	5.6664	0.0389	5.7052	1.5094	0.0361	1.5454		5,393.1669	5,393.1669	0.3768	0.2346	5,472.5033
<b>Total</b>	<b>4.4073</b>	<b>2.9836</b>	<b>30.4912</b>	<b>0.0540</b>	<b>5.6664</b>	<b>0.0941</b>	<b>5.7605</b>	<b>1.5094</b>	<b>0.0914</b>	<b>1.6007</b>	<b>0.0000</b>	<b>5,735.0378</b>	<b>5,735.0378</b>	<b>0.3939</b>	<b>0.2407</b>	<b>5,816.6089</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	1.9469	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343	0.0000	11.1778	11.1778	0.0108	0.0000	11.4474
Energy	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582
Mobile	2.4301	2.6531	24.1790	0.0520	5.6664	0.0389	5.7052	1.5094	0.0361	1.5454		5,393.1669	5,393.1669	0.3768	0.2346	5,472.5033
<b>Total</b>	<b>4.4073</b>	<b>2.9836</b>	<b>30.4912</b>	<b>0.0540</b>	<b>5.6664</b>	<b>0.0941</b>	<b>5.7605</b>	<b>1.5094</b>	<b>0.0914</b>	<b>1.6007</b>	<b>0.0000</b>	<b>5,735.0378</b>	<b>5,735.0378</b>	<b>0.3939</b>	<b>0.2407</b>	<b>5,816.6089</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/28/2022	12/30/2022	5	25	
2	Grading/Excavation	Grading	12/31/2022	2/10/2023	5	30	
3	Building Construction	Building Construction	2/11/2023	12/1/2023	5	210	
4	Architectural Coating	Architectural Coating	12/2/2023	12/29/2023	5	20	
5	Paving	Paving	12/30/2023	1/26/2024	5	20	

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

**Acres of Grading (Grading Phase): 90**

**Acres of Paving: 1.48**

**Residential Indoor: 162,919; Residential Outdoor: 54,306; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 3,960 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading/Excavation	Excavators	2	8.00	158	0.38
Grading/Excavation	Graders	1	8.00	187	0.41
Grading/Excavation	Rubber Tired Dozers	1	8.00	247	0.40



Barlow SNF - Los Angeles-South Coast County, Winter

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

Grading/Excavation	Scrapers	2	8.00	367	0.48
Grading/Excavation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	0	0.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Aerial Lifts	1	8.00	63	0.31
Architectural Coating	Aerial Lifts	1	8.00	63	0.31

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	2.00	18.00	14.70	6.90	31.10	LD_Mix	HDT_Mix	HHDT
Grading/Excavation	8	20.00	2.00	350.00	14.70	6.90	31.10	LD_Mix	HDT_Mix	HHDT
Building Construction	9	82.00	19.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	2	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1545	0.0000	0.1545	0.0234	0.0000	0.0234			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>0.1545</b>	<b>1.2427</b>	<b>1.3972</b>	<b>0.0234</b>	<b>1.1553</b>	<b>1.1787</b>		<b>3,746.781 2</b>	<b>3,746.781 2</b>	<b>1.0524</b>		<b>3,773.092 0</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.7000e-003	0.1877	0.0388	6.9000e-004	0.0196	1.3900e-003	0.0210	5.3700e-003	1.3300e-003	6.7000e-003		75.0617	75.0617	4.0100e-003	0.0119	78.7113
Vendor	3.8900e-003	0.1020	0.0348	3.9000e-004	0.0128	9.4000e-004	0.0138	3.6900e-003	9.0000e-004	4.5800e-003		42.1081	42.1081	1.4000e-003	6.0700e-003	43.9531
Worker	0.0556	0.0419	0.5428	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.7700	147.7700	4.2700e-003	4.0100e-003	149.0720
<b>Total</b>	<b>0.0642</b>	<b>0.3316</b>	<b>0.6164</b>	<b>2.5300e-003</b>	<b>0.2001</b>	<b>3.4000e-003</b>	<b>0.2035</b>	<b>0.0535</b>	<b>3.2200e-003</b>	<b>0.0567</b>		<b>264.9398</b>	<b>264.9398</b>	<b>9.6800e-003</b>	<b>0.0220</b>	<b>271.7364</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0603	0.0000	0.0603	9.1200e-003	0.0000	9.1200e-003			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>0.0603</b>	<b>1.2427</b>	<b>1.3029</b>	<b>9.1200e-003</b>	<b>1.1553</b>	<b>1.1644</b>	<b>0.0000</b>	<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.7000e-003	0.1877	0.0388	6.9000e-004	0.0196	1.3900e-003	0.0210	5.3700e-003	1.3300e-003	6.7000e-003		75.0617	75.0617	4.0100e-003	0.0119	78.7113
Vendor	3.8900e-003	0.1020	0.0348	3.9000e-004	0.0128	9.4000e-004	0.0138	3.6900e-003	9.0000e-004	4.5800e-003		42.1081	42.1081	1.4000e-003	6.0700e-003	43.9531
Worker	0.0556	0.0419	0.5428	1.4500e-003	0.1677	1.0700e-003	0.1687	0.0445	9.9000e-004	0.0455		147.7700	147.7700	4.2700e-003	4.0100e-003	149.0720
<b>Total</b>	<b>0.0642</b>	<b>0.3316</b>	<b>0.6164</b>	<b>2.5300e-003</b>	<b>0.2001</b>	<b>3.4000e-003</b>	<b>0.2035</b>	<b>0.0535</b>	<b>3.2200e-003</b>	<b>0.0567</b>		<b>264.9398</b>	<b>264.9398</b>	<b>9.6800e-003</b>	<b>0.0220</b>	<b>271.7364</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.3 Grading/Excavation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2141	0.0000	9.2141	3.6554	0.0000	3.6554			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2141</b>	<b>1.6349</b>	<b>10.8490</b>	<b>3.6554</b>	<b>1.5041</b>	<b>5.1595</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0762	3.0412	0.6290	0.0111	0.3174	0.0226	0.3400	0.0870	0.0216	0.1086		1,216.2767	1,216.2767	0.0650	0.1930	1,275.4152
Vendor	3.8900e-003	0.1020	0.0348	3.9000e-004	0.0128	9.4000e-004	0.0138	3.6900e-003	9.0000e-004	4.5800e-003		42.1081	42.1081	1.4000e-003	6.0700e-003	43.9531
Worker	0.0741	0.0558	0.7237	1.9400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		197.0266	197.0266	5.7000e-003	5.3500e-003	198.7627
<b>Total</b>	<b>0.1542</b>	<b>3.1990</b>	<b>1.3875</b>	<b>0.0134</b>	<b>0.5538</b>	<b>0.0250</b>	<b>0.5787</b>	<b>0.1500</b>	<b>0.0238</b>	<b>0.1738</b>		<b>1,455.4115</b>	<b>1,455.4115</b>	<b>0.0721</b>	<b>0.2044</b>	<b>1,518.1310</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.3 Grading/Excavation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5935	0.0000	3.5935	1.4256	0.0000	1.4256			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>3.5935</b>	<b>1.6349</b>	<b>5.2284</b>	<b>1.4256</b>	<b>1.5041</b>	<b>2.9297</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0762	3.0412	0.6290	0.0111	0.3174	0.0226	0.3400	0.0870	0.0216	0.1086		1,216.2767	1,216.2767	0.0650	0.1930	1,275.4152
Vendor	3.8900e-003	0.1020	0.0348	3.9000e-004	0.0128	9.4000e-004	0.0138	3.6900e-003	9.0000e-004	4.5800e-003		42.1081	42.1081	1.4000e-003	6.0700e-003	43.9531
Worker	0.0741	0.0558	0.7237	1.9400e-003	0.2236	1.4300e-003	0.2250	0.0593	1.3200e-003	0.0606		197.0266	197.0266	5.7000e-003	5.3500e-003	198.7627
<b>Total</b>	<b>0.1542</b>	<b>3.1990</b>	<b>1.3875</b>	<b>0.0134</b>	<b>0.5538</b>	<b>0.0250</b>	<b>0.5787</b>	<b>0.1500</b>	<b>0.0238</b>	<b>0.1738</b>		<b>1,455.4115</b>	<b>1,455.4115</b>	<b>0.0721</b>	<b>0.2044</b>	<b>1,518.1310</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.3 Grading/Excavation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2141	0.0000	9.2141	3.6554	0.0000	3.6554			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
<b>Total</b>	<b>3.3217</b>	<b>34.5156</b>	<b>28.0512</b>	<b>0.0621</b>	<b>9.2141</b>	<b>1.4245</b>	<b>10.6386</b>	<b>3.6554</b>	<b>1.3105</b>	<b>4.9659</b>		<b>6,011.4777</b>	<b>6,011.4777</b>	<b>1.9442</b>		<b>6,060.0836</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0307	2.3463	0.5407	0.0105	0.3174	0.0149	0.3323	0.0870	0.0143	0.1013		1,148.6056	1,148.6056	0.0637	0.1824	1,204.5567
Vendor	2.2200e-003	0.0804	0.0307	3.7000e-004	0.0128	3.9000e-004	0.0132	3.6900e-003	3.7000e-004	4.0600e-003		40.1241	40.1241	1.3400e-003	5.7700e-003	41.8782
Worker	0.0688	0.0493	0.6662	1.8700e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		191.8453	191.8453	5.1100e-003	4.9300e-003	193.4424
<b>Total</b>	<b>0.1018</b>	<b>2.4760</b>	<b>1.2376</b>	<b>0.0127</b>	<b>0.5538</b>	<b>0.0166</b>	<b>0.5704</b>	<b>0.1500</b>	<b>0.0159</b>	<b>0.1659</b>		<b>1,380.5750</b>	<b>1,380.5750</b>	<b>0.0701</b>	<b>0.1931</b>	<b>1,439.8773</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.3 Grading/Excavation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.5935	0.0000	3.5935	1.4256	0.0000	1.4256			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
<b>Total</b>	<b>3.3217</b>	<b>34.5156</b>	<b>28.0512</b>	<b>0.0621</b>	<b>3.5935</b>	<b>1.4245</b>	<b>5.0180</b>	<b>1.4256</b>	<b>1.3105</b>	<b>2.7361</b>	<b>0.0000</b>	<b>6,011.4777</b>	<b>6,011.4777</b>	<b>1.9442</b>		<b>6,060.0836</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0307	2.3463	0.5407	0.0105	0.3174	0.0149	0.3323	0.0870	0.0143	0.1013		1,148.6056	1,148.6056	0.0637	0.1824	1,204.5567
Vendor	2.2200e-003	0.0804	0.0307	3.7000e-004	0.0128	3.9000e-004	0.0132	3.6900e-003	3.7000e-004	4.0600e-003		40.1241	40.1241	1.3400e-003	5.7700e-003	41.8782
Worker	0.0688	0.0493	0.6662	1.8700e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		191.8453	191.8453	5.1100e-003	4.9300e-003	193.4424
<b>Total</b>	<b>0.1018</b>	<b>2.4760</b>	<b>1.2376</b>	<b>0.0127</b>	<b>0.5538</b>	<b>0.0166</b>	<b>0.5704</b>	<b>0.1500</b>	<b>0.0159</b>	<b>0.1659</b>		<b>1,380.5750</b>	<b>1,380.5750</b>	<b>0.0701</b>	<b>0.1931</b>	<b>1,439.8773</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2999	11.5796	15.7309	0.0236		0.5695	0.5695		0.5386	0.5386		2,228.8629	2,228.8629	0.5023		2,241.4204
<b>Total</b>	<b>1.2999</b>	<b>11.5796</b>	<b>15.7309</b>	<b>0.0236</b>		<b>0.5695</b>	<b>0.5695</b>		<b>0.5386</b>	<b>0.5386</b>		<b>2,228.8629</b>	<b>2,228.8629</b>	<b>0.5023</b>		<b>2,241.4204</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0211	0.7636	0.2914	3.5400e-003	0.1217	3.6900e-003	0.1254	0.0350	3.5300e-003	0.0386		381.1786	381.1786	0.0127	0.0549	397.8431
Worker	0.2821	0.2022	2.7313	7.6900e-003	0.9166	5.5300e-003	0.9221	0.2431	5.0900e-003	0.2482		786.5659	786.5659	0.0210	0.0202	793.1140
<b>Total</b>	<b>0.3032</b>	<b>0.9658</b>	<b>3.0227</b>	<b>0.0112</b>	<b>1.0383</b>	<b>9.2200e-003</b>	<b>1.0475</b>	<b>0.2781</b>	<b>8.6200e-003</b>	<b>0.2867</b>		<b>1,167.7445</b>	<b>1,167.7445</b>	<b>0.0337</b>	<b>0.0751</b>	<b>1,190.9571</b>



Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.4 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2999	11.5796	15.7309	0.0236		0.5695	0.5695		0.5386	0.5386	0.0000	2,228.8629	2,228.8629	0.5023		2,241.4204
<b>Total</b>	<b>1.2999</b>	<b>11.5796</b>	<b>15.7309</b>	<b>0.0236</b>		<b>0.5695</b>	<b>0.5695</b>		<b>0.5386</b>	<b>0.5386</b>	<b>0.0000</b>	<b>2,228.8629</b>	<b>2,228.8629</b>	<b>0.5023</b>		<b>2,241.4204</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0211	0.7636	0.2914	3.5400e-003	0.1217	3.6900e-003	0.1254	0.0350	3.5300e-003	0.0386		381.1786	381.1786	0.0127	0.0549	397.8431
Worker	0.2821	0.2022	2.7313	7.6900e-003	0.9166	5.5300e-003	0.9221	0.2431	5.0900e-003	0.2482		786.5659	786.5659	0.0210	0.0202	793.1140
<b>Total</b>	<b>0.3032</b>	<b>0.9658</b>	<b>3.0227</b>	<b>0.0112</b>	<b>1.0383</b>	<b>9.2200e-003</b>	<b>1.0475</b>	<b>0.2781</b>	<b>8.6200e-003</b>	<b>0.2867</b>		<b>1,167.7445</b>	<b>1,167.7445</b>	<b>0.0337</b>	<b>0.0751</b>	<b>1,190.9571</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.5 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.0887					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2261	1.8331	2.8968	4.6400e-003		0.0800	0.0800		0.0793	0.0793		443.1237	443.1237	0.0691		444.8518
<b>Total</b>	<b>26.3148</b>	<b>1.8331</b>	<b>2.8968</b>	<b>4.6400e-003</b>		<b>0.0800</b>	<b>0.0800</b>		<b>0.0793</b>	<b>0.0793</b>		<b>443.1237</b>	<b>443.1237</b>	<b>0.0691</b>		<b>444.8518</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0551	0.0395	0.5329	1.5000e-003	0.1788	1.0800e-003	0.1799	0.0474	9.9000e-004	0.0484		153.4763	153.4763	4.0900e-003	3.9400e-003	154.7539
<b>Total</b>	<b>0.0551</b>	<b>0.0395</b>	<b>0.5329</b>	<b>1.5000e-003</b>	<b>0.1788</b>	<b>1.0800e-003</b>	<b>0.1799</b>	<b>0.0474</b>	<b>9.9000e-004</b>	<b>0.0484</b>		<b>153.4763</b>	<b>153.4763</b>	<b>4.0900e-003</b>	<b>3.9400e-003</b>	<b>154.7539</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.5 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	26.0887					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2261	1.8331	2.8968	4.6400e-003		0.0800	0.0800		0.0793	0.0793	0.0000	443.1237	443.1237	0.0691		444.8518
<b>Total</b>	<b>26.3148</b>	<b>1.8331</b>	<b>2.8968</b>	<b>4.6400e-003</b>		<b>0.0800</b>	<b>0.0800</b>		<b>0.0793</b>	<b>0.0793</b>	<b>0.0000</b>	<b>443.1237</b>	<b>443.1237</b>	<b>0.0691</b>		<b>444.8518</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0551	0.0395	0.5329	1.5000e-003	0.1788	1.0800e-003	0.1799	0.0474	9.9000e-004	0.0484		153.4763	153.4763	4.0900e-003	3.9400e-003	154.7539
<b>Total</b>	<b>0.0551</b>	<b>0.0395</b>	<b>0.5329</b>	<b>1.5000e-003</b>	<b>0.1788</b>	<b>1.0800e-003</b>	<b>0.1799</b>	<b>0.0474</b>	<b>9.9000e-004</b>	<b>0.0484</b>		<b>153.4763</b>	<b>153.4763</b>	<b>4.0900e-003</b>	<b>3.9400e-003</b>	<b>154.7539</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2266</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>		<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
<b>Total</b>	<b>0.0516</b>	<b>0.0370</b>	<b>0.4996</b>	<b>1.4100e-003</b>	<b>0.1677</b>	<b>1.0100e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.3000e-004</b>	<b>0.0454</b>		<b>143.8840</b>	<b>143.8840</b>	<b>3.8300e-003</b>	<b>3.7000e-003</b>	<b>145.0818</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.6 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.1939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.2266</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>	<b>0.0000</b>	<b>2,207.584 1</b>	<b>2,207.584 1</b>	<b>0.7140</b>		<b>2,225.433 6</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0516	0.0370	0.4996	1.4100e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		143.8840	143.8840	3.8300e-003	3.7000e-003	145.0818
<b>Total</b>	<b>0.0516</b>	<b>0.0370</b>	<b>0.4996</b>	<b>1.4100e-003</b>	<b>0.1677</b>	<b>1.0100e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.3000e-004</b>	<b>0.0454</b>		<b>143.8840</b>	<b>143.8840</b>	<b>3.8300e-003</b>	<b>3.7000e-003</b>	<b>145.0818</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310		2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1820</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>		<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0483	0.0330	0.4655	1.3700e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		140.9310	140.9310	3.4700e-003	3.4400e-003	142.0422
<b>Total</b>	<b>0.0483</b>	<b>0.0330</b>	<b>0.4655</b>	<b>1.3700e-003</b>	<b>0.1677</b>	<b>9.7000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.9000e-004</b>	<b>0.0454</b>		<b>140.9310</b>	<b>140.9310</b>	<b>3.4700e-003</b>	<b>3.4400e-003</b>	<b>142.0422</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

**3.6 Paving - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9882	9.5246	14.6258	0.0228		0.4685	0.4685		0.4310	0.4310	0.0000	2,207.547 2	2,207.547 2	0.7140		2,225.396 3
Paving	0.1939					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.1820</b>	<b>9.5246</b>	<b>14.6258</b>	<b>0.0228</b>		<b>0.4685</b>	<b>0.4685</b>		<b>0.4310</b>	<b>0.4310</b>	<b>0.0000</b>	<b>2,207.547 2</b>	<b>2,207.547 2</b>	<b>0.7140</b>		<b>2,225.396 3</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0483	0.0330	0.4655	1.3700e-003	0.1677	9.7000e-004	0.1686	0.0445	8.9000e-004	0.0454		140.9310	140.9310	3.4700e-003	3.4400e-003	142.0422
<b>Total</b>	<b>0.0483</b>	<b>0.0330</b>	<b>0.4655</b>	<b>1.3700e-003</b>	<b>0.1677</b>	<b>9.7000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.9000e-004</b>	<b>0.0454</b>		<b>140.9310</b>	<b>140.9310</b>	<b>3.4700e-003</b>	<b>3.4400e-003</b>	<b>142.0422</b>

Barlow SNF - Los Angeles-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.4301	2.6531	24.1790	0.0520	5.6664	0.0389	5.7052	1.5094	0.0361	1.5454		5,393.1669	5,393.1669	0.3768	0.2346	5,472.5033
Unmitigated	2.4301	2.6531	24.1790	0.0520	5.6664	0.0389	5.7052	1.5094	0.0361	1.5454		5,393.1669	5,393.1669	0.3768	0.2346	5,472.5033

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Retirement Community	0.00	459.00	459.00	448,135	448,135
User Defined Commercial	399.00	0.00	0.00	802,100	802,100
Total	399.00	459.00	459.00	1,250,235	1,250,235

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
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Retirement Community	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
User Defined Commercial	0.00	7.73	0.00	0.00	100.00	0.00	100	0	0



Barlow SNF - Los Angeles-South Coast County, Winter

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

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Parking Lot	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
Retirement Community	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352
User Defined Commercial	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582
NaturalGas Unmitigated	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582

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

**5.2 Energy by Land Use - NaturalGas**

**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					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	2810.89	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582
User Defined Commercial	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>0.0303</b>	<b>0.2590</b>	<b>0.1102</b>	<b>1.6500e-003</b>		<b>0.0209</b>	<b>0.0209</b>		<b>0.0209</b>	<b>0.0209</b>		<b>330.6931</b>	<b>330.6931</b>	<b>6.3400e-003</b>	<b>6.0600e-003</b>	<b>332.6582</b>

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

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	2.81089	0.0303	0.2590	0.1102	1.6500e-003		0.0209	0.0209		0.0209	0.0209		330.6931	330.6931	6.3400e-003	6.0600e-003	332.6582
User Defined Commercial	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>0.0303</b>	<b>0.2590</b>	<b>0.1102</b>	<b>1.6500e-003</b>		<b>0.0209</b>	<b>0.0209</b>		<b>0.0209</b>	<b>0.0209</b>		<b>330.6931</b>	<b>330.6931</b>	<b>6.3400e-003</b>	<b>6.0600e-003</b>	<b>332.6582</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Barlow SNF - Los Angeles-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.9469	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343	0.0000	11.1778	11.1778	0.0108	0.0000	11.4474
Unmitigated	1.9469	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343	0.0000	11.1778	11.1778	0.0108	0.0000	11.4474

**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	0.1430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1875	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343		11.1778	11.1778	0.0108		11.4474
<b>Total</b>	<b>1.9469</b>	<b>0.0714</b>	<b>6.2019</b>	<b>3.3000e-004</b>		<b>0.0343</b>	<b>0.0343</b>		<b>0.0343</b>	<b>0.0343</b>	<b>0.0000</b>	<b>11.1778</b>	<b>11.1778</b>	<b>0.0108</b>	<b>0.0000</b>	<b>11.4474</b>

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6164					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1875	0.0714	6.2019	3.3000e-004		0.0343	0.0343		0.0343	0.0343		11.1778	11.1778	0.0108		11.4474
<b>Total</b>	<b>1.9469</b>	<b>0.0714</b>	<b>6.2019</b>	<b>3.3000e-004</b>		<b>0.0343</b>	<b>0.0343</b>		<b>0.0343</b>	<b>0.0343</b>	<b>0.0000</b>	<b>11.1778</b>	<b>11.1778</b>	<b>0.0108</b>	<b>0.0000</b>	<b>11.4474</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Barlow SNF - Los Angeles-South Coast County, Winter

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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