

Appendix A
CalEEMod Modeling

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

**Dune Palms Mixed-Use Development
Salton Sea Air Basin, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Fast Food Restaurant with Drive Thru	3.60	1000sqft	1.45	3,600.00	0
Apartments Low Rise	180.00	Dwelling Unit	2.10	180,000.00	427
Convenience Market with Gas Pumps	4.70	1000sqft	1.45	4,700.00	0
Parking Lot	489.00	Space	4.40	195,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2026
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	189.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 9.4-acre mixed use development, including 180 multi-family residential units, 4,761 SF drive-through QSR, and 3,596 SF car wash.

Land Use - 5.1AC res., 4.3AC comm. (convenience market w gas pumps used bc CalEEMod does not have car wash). 427 residents based on Table E-5 av. household size (2.37). Assumes 489 parking spaces per commercial site plan + zoning code.

Construction Phase - Assumes 2.5 year build out. Starting in June 2023, ending by Jan 1 2026. Assumes paving and architectural coating are concurrent with building construction phase.

On-road Fugitive Dust - All roads in Project vicinity are paved.

Grading - Based on grading plans for car wash (70 CY cut, 4,7769 CY fill) and quick serve restaurant (1000 CY cut, 2,200 CY fill) + extrapolation for residential component.

Vehicle Trips - Based on Project-specific traffic study. Trip rates sourced from ITE 11th ed. except car wash which is based on empirical estimation.

Road Dust - All roads in Project area paved.

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

Woodstoves - Assumes no fire places in residential units.

Construction Off-road Equipment Mitigation - Assumes standard dust control measures per SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	230.00	608.00
tblConstructionPhase	NumDays	20.00	598.00
tblConstructionPhase	NumDays	20.00	598.00
tblConstructionPhase	PhaseEndDate	7/12/2023	8/15/2023
tblConstructionPhase	PhaseEndDate	5/29/2024	12/12/2025
tblConstructionPhase	PhaseEndDate	6/26/2024	12/31/2025
tblConstructionPhase	PhaseEndDate	7/24/2024	12/31/2025
tblConstructionPhase	PhaseStartDate	7/13/2023	8/16/2023
tblConstructionPhase	PhaseStartDate	5/30/2024	9/18/2023
tblConstructionPhase	PhaseStartDate	6/27/2024	9/18/2023
tblFireplaces	FireplaceDayYear	4.30	0.00
tblFireplaces	FireplaceHourDay	2.79	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	NumberGas	99.00	0.00
tblGrading	AcresOfGrading	44.00	9.40
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	0.08	1.45
tblLandUse	LotAcreage	11.25	2.10
tblLandUse	LotAcreage	0.11	1.45
tblLandUse	Population	581.00	427.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	8.14	4.55
tblVehicleTrips	ST_TR	624.20	207.50
tblVehicleTrips	SU_TR	6.28	3.86
tblVehicleTrips	SU_TR	624.20	207.50
tblVehicleTrips	WD_TR	7.32	6.74
tblVehicleTrips	WD_TR	624.20	207.50
tblVehicleTrips	WD_TR	470.95	467.48

2.0 Emissions Summary

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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					
2023	0.3799	1.8425	2.2627	4.7800e-003	0.3691	0.0813	0.4504	0.1596	0.0758	0.2354	0.0000	426.6033	426.6033	0.0789	0.0128	432.4014
2024	1.0128	3.4528	5.3348	0.0104	0.3302	0.1527	0.4828	0.0885	0.1428	0.2313	0.0000	920.7986	920.7986	0.1657	0.0199	930.8792
2025	0.9627	3.0760	5.0806	9.9100e-003	0.3157	0.1295	0.4452	0.0846	0.1211	0.2056	0.0000	879.6088	879.6088	0.1601	0.0182	889.0366
Maximum	1.0128	3.4528	5.3348	0.0104	0.3691	0.1527	0.4828	0.1596	0.1428	0.2354	0.0000	920.7986	920.7986	0.1657	0.0199	930.8792

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					
2023	0.3799	1.8425	2.2626	4.7800e-003	0.2247	0.0813	0.3060	0.0839	0.0758	0.1597	0.0000	426.6029	426.6029	0.0789	0.0128	432.4011
2024	1.0128	3.4527	5.3348	0.0104	0.3302	0.1527	0.4828	0.0885	0.1428	0.2313	0.0000	920.7979	920.7979	0.1657	0.0199	930.8785
2025	0.9627	3.0760	5.0806	9.9100e-003	0.3157	0.1295	0.4452	0.0846	0.1211	0.2056	0.0000	879.6081	879.6081	0.1601	0.0182	889.0359
Maximum	1.0128	3.4527	5.3348	0.0104	0.3302	0.1527	0.4828	0.0885	0.1428	0.2313	0.0000	920.7979	920.7979	0.1657	0.0199	930.8785

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	14.23	0.00	10.48	22.75	0.00	11.26	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	6-1-2023	8-31-2023	0.7608	0.7608
2	9-1-2023	11-30-2023	1.0692	1.0692
3	12-1-2023	2-29-2024	1.1299	1.1299
4	3-1-2024	5-31-2024	1.1228	1.1228
5	6-1-2024	8-31-2024	1.1241	1.1241
6	9-1-2024	11-30-2024	1.1093	1.1093
7	12-1-2024	2-28-2025	1.0472	1.0472
8	3-1-2025	5-31-2025	1.0465	1.0465
9	6-1-2025	8-31-2025	1.0476	1.0476
10	9-1-2025	9-30-2025	0.3416	0.3416
		Highest	1.1299	1.1299

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9110	0.0154	1.3398	7.0000e-005		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	2.1921	2.1921	2.1100e-003	0.0000	2.2449
Energy	0.0200	0.1741	0.0942	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	288.0415	288.0415	0.0194	5.5300e-003	290.1730
Mobile	1.3516	1.2449	7.8427	0.0139	1.4418	0.0117	1.4535	0.3848	0.0109	0.3957	0.0000	1,287.4597	1,287.4597	0.1010	0.0854	1,315.4249
Waste						0.0000	0.0000		0.0000	0.0000	28.0919	0.0000	28.0919	1.6602	0.0000	69.5965
Water						0.0000	0.0000		0.0000	0.0000	4.1778	22.1256	26.3034	0.4329	0.0106	40.2851
Total	2.2827	1.4344	9.2767	0.0151	1.4418	0.0330	1.4748	0.3848	0.0322	0.4170	32.2697	1,599.8187	1,632.0885	2.2156	0.1015	1,717.7244

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.9110	0.0154	1.3398	7.0000e-005		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	2.1921	2.1921	2.1100e-003	0.0000	2.2449
Energy	0.0200	0.1741	0.0942	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	288.0415	288.0415	0.0194	5.5300e-003	290.1730
Mobile	1.3516	1.2449	7.8427	0.0139	1.4418	0.0117	1.4535	0.3848	0.0109	0.3957	0.0000	1,287.4597	1,287.4597	0.1010	0.0854	1,315.4249
Waste						0.0000	0.0000		0.0000	0.0000	28.0919	0.0000	28.0919	1.6602	0.0000	69.5965
Water						0.0000	0.0000		0.0000	0.0000	4.1778	22.1256	26.3034	0.4329	0.0106	40.2851
Total	2.2827	1.4344	9.2767	0.0151	1.4418	0.0330	1.4748	0.3848	0.0322	0.4170	32.2697	1,599.8187	1,632.0885	2.2156	0.1015	1,717.7244

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/14/2023	5	10	
2	Grading	Grading	6/15/2023	8/15/2023	5	44	
3	Building Construction	Building Construction	8/16/2023	12/12/2025	5	608	

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

4	Paving	Paving	9/18/2023	12/31/2025	5	598
5	Architectural Coating	Architectural Coating	9/18/2023	12/31/2025	5	598

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 9.4

Acres of Paving: 4.4

Residential Indoor: 364,500; Residential Outdoor: 121,500; Non-Residential Indoor: 12,450; Non-Residential Outdoor: 4,150; Striped Parking Area: 11,736 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	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

Trips and VMT

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	215.00	53.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	43.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606
Total	0.0133	0.1376	0.0912	1.9000e-004	0.0983	6.3300e-003	0.1046	0.0505	5.8200e-003	0.0563	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.0000e-004	2.5600e-003	1.0000e-005	7.4000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5827	0.5827	2.0000e-005	2.0000e-005	0.5883
Total	3.2000e-004	2.0000e-004	2.5600e-003	1.0000e-005	7.4000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5827	0.5827	2.0000e-005	2.0000e-005	0.5883

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					0.0383	0.0000	0.0383	0.0197	0.0000	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606
Total	0.0133	0.1376	0.0912	1.9000e-004	0.0383	6.3300e-003	0.0447	0.0197	5.8200e-003	0.0255	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.2 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.0000e-004	2.5600e-003	1.0000e-005	7.4000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5827	0.5827	2.0000e-005	2.0000e-005	0.5883
Total	3.2000e-004	2.0000e-004	2.5600e-003	1.0000e-005	7.4000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.5827	0.5827	2.0000e-005	2.0000e-005	0.5883

3.3 Grading - 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					0.1385	0.0000	0.1385	0.0735	0.0000	0.0735	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0376	0.3946	0.3245	6.5000e-004		0.0171	0.0171		0.0157	0.0157	0.0000	57.3334	57.3334	0.0185	0.0000	57.7969
Total	0.0376	0.3946	0.3245	6.5000e-004	0.1385	0.0171	0.1555	0.0735	0.0157	0.0892	0.0000	57.3334	57.3334	0.0185	0.0000	57.7969

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.3 Grading - 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	1.4800e-003	0.0656	0.0189	3.4000e-004	0.0109	7.6000e-004	0.0116	2.9800e-003	7.2000e-004	3.7000e-003	0.0000	32.7526	32.7526	2.2000e-004	5.1500e-003	34.2937
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	7.4000e-004	9.3900e-003	2.0000e-005	2.7300e-003	1.0000e-005	2.7400e-003	7.2000e-004	1.0000e-005	7.4000e-004	0.0000	2.1364	2.1364	6.0000e-005	6.0000e-005	2.1572
Total	2.6500e-003	0.0663	0.0282	3.6000e-004	0.0136	7.7000e-004	0.0144	3.7000e-003	7.3000e-004	4.4400e-003	0.0000	34.8890	34.8890	2.8000e-004	5.2100e-003	36.4509

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					0.0540	0.0000	0.0540	0.0287	0.0000	0.0287	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0376	0.3946	0.3245	6.5000e-004		0.0171	0.0171		0.0157	0.0157	0.0000	57.3333	57.3333	0.0185	0.0000	57.7969
Total	0.0376	0.3946	0.3245	6.5000e-004	0.0540	0.0171	0.0711	0.0287	0.0157	0.0444	0.0000	57.3333	57.3333	0.0185	0.0000	57.7969

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.3 Grading - 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	1.4800e-003	0.0656	0.0189	3.4000e-004	0.0109	7.6000e-004	0.0116	2.9800e-003	7.2000e-004	3.7000e-003	0.0000	32.7526	32.7526	2.2000e-004	5.1500e-003	34.2937
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	7.4000e-004	9.3900e-003	2.0000e-005	2.7300e-003	1.0000e-005	2.7400e-003	7.2000e-004	1.0000e-005	7.4000e-004	0.0000	2.1364	2.1364	6.0000e-005	6.0000e-005	2.1572
Total	2.6500e-003	0.0663	0.0282	3.6000e-004	0.0136	7.7000e-004	0.0144	3.7000e-003	7.3000e-004	4.4400e-003	0.0000	34.8890	34.8890	2.8000e-004	5.2100e-003	36.4509

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	0.0771	0.7049	0.7960	1.3200e-003		0.0343	0.0343		0.0323	0.0323	0.0000	113.5843	113.5843	0.0270	0.0000	114.2598
Total	0.0771	0.7049	0.7960	1.3200e-003		0.0343	0.0343		0.0323	0.0323	0.0000	113.5843	113.5843	0.0270	0.0000	114.2598

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

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	3.6500e-003	0.0792	0.0439	3.8000e-004	0.0129	5.8000e-004	0.0135	3.7300e-003	5.6000e-004	4.2900e-003	0.0000	36.5293	36.5293	2.8000e-004	5.1300e-003	38.0637
Worker	0.0373	0.0237	0.2996	7.4000e-004	0.0871	4.3000e-004	0.0875	0.0231	4.0000e-004	0.0235	0.0000	68.2031	68.2031	2.0700e-003	2.0500e-003	68.8664
Total	0.0410	0.1030	0.3435	1.1200e-003	0.1000	1.0100e-003	0.1010	0.0269	9.6000e-004	0.0278	0.0000	104.7323	104.7323	2.3500e-003	7.1800e-003	106.9301

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	0.0771	0.7049	0.7960	1.3200e-003		0.0343	0.0343		0.0323	0.0323	0.0000	113.5842	113.5842	0.0270	0.0000	114.2597
Total	0.0771	0.7049	0.7960	1.3200e-003		0.0343	0.0343		0.0323	0.0323	0.0000	113.5842	113.5842	0.0270	0.0000	114.2597

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	3.6500e-003	0.0792	0.0439	3.8000e-004	0.0129	5.8000e-004	0.0135	3.7300e-003	5.6000e-004	4.2900e-003	0.0000	36.5293	36.5293	2.8000e-004	5.1300e-003	38.0637
Worker	0.0373	0.0237	0.2996	7.4000e-004	0.0871	4.3000e-004	0.0875	0.0231	4.0000e-004	0.0235	0.0000	68.2031	68.2031	2.0700e-003	2.0500e-003	68.8664
Total	0.0410	0.1030	0.3435	1.1200e-003	0.1000	1.0100e-003	0.1010	0.0269	9.6000e-004	0.0278	0.0000	104.7323	104.7323	2.3500e-003	7.1800e-003	106.9301

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.4 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5700e-003	0.2125	0.1152	1.0100e-003	0.0345	1.5300e-003	0.0361	9.9700e-003	1.4700e-003	0.0114	0.0000	96.3404	96.3404	7.4000e-004	0.0135	100.3715
Worker	0.0930	0.0565	0.7471	1.9300e-003	0.2328	1.1200e-003	0.2340	0.0618	1.0300e-003	0.0628	0.0000	177.1511	177.1511	5.0400e-003	5.0900e-003	178.7937
Total	0.1026	0.2690	0.8623	2.9400e-003	0.2674	2.6500e-003	0.2700	0.0718	2.5000e-003	0.0743	0.0000	273.4915	273.4915	5.7800e-003	0.0186	279.1652

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.4 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5700e-003	0.2125	0.1152	1.0100e-003	0.0345	1.5300e-003	0.0361	9.9700e-003	1.4700e-003	0.0114	0.0000	96.3404	96.3404	7.4000e-004	0.0135	100.3715
Worker	0.0930	0.0565	0.7471	1.9300e-003	0.2328	1.1200e-003	0.2340	0.0618	1.0300e-003	0.0628	0.0000	177.1511	177.1511	5.0400e-003	5.0900e-003	178.7937
Total	0.1026	0.2690	0.8623	2.9400e-003	0.2674	2.6500e-003	0.2700	0.0718	2.5000e-003	0.0743	0.0000	273.4915	273.4915	5.7800e-003	0.0186	279.1652

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1696	1.5462	1.9945	3.3400e-003		0.0654	0.0654		0.0615	0.0615	0.0000	287.5801	287.5801	0.0676	0.0000	289.2702
Total	0.1696	1.5462	1.9945	3.3400e-003		0.0654	0.0654		0.0615	0.0615	0.0000	287.5801	287.5801	0.0676	0.0000	289.2702

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.4 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9100e-003	0.1990	0.1071	9.4000e-004	0.0327	1.4400e-003	0.0341	9.4300e-003	1.3800e-003	0.0108	0.0000	89.5492	89.5492	7.0000e-004	0.0125	93.2772
Worker	0.0821	0.0478	0.6546	1.7700e-003	0.2204	1.0000e-003	0.2214	0.0585	9.2000e-004	0.0594	0.0000	161.9339	161.9339	4.3000e-003	4.4800e-003	163.3763
Total	0.0910	0.2468	0.7618	2.7100e-003	0.2531	2.4400e-003	0.2555	0.0679	2.3000e-003	0.0702	0.0000	251.4830	251.4830	5.0000e-003	0.0169	256.6535

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	0.1696	1.5462	1.9945	3.3400e-003		0.0654	0.0654		0.0615	0.0615	0.0000	287.5798	287.5798	0.0676	0.0000	289.2698
Total	0.1696	1.5462	1.9945	3.3400e-003		0.0654	0.0654		0.0615	0.0615	0.0000	287.5798	287.5798	0.0676	0.0000	289.2698

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.4 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.9100e-003	0.1990	0.1071	9.4000e-004	0.0327	1.4400e-003	0.0341	9.4300e-003	1.3800e-003	0.0108	0.0000	89.5492	89.5492	7.0000e-004	0.0125	93.2772
Worker	0.0821	0.0478	0.6546	1.7700e-003	0.2204	1.0000e-003	0.2214	0.0585	9.2000e-004	0.0594	0.0000	161.9339	161.9339	4.3000e-003	4.4800e-003	163.3763
Total	0.0910	0.2468	0.7618	2.7100e-003	0.2531	2.4400e-003	0.2555	0.0679	2.3000e-003	0.0702	0.0000	251.4830	251.4830	5.0000e-003	0.0169	256.6535

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0387	0.3822	0.5469	8.6000e-004		0.0191	0.0191		0.0176	0.0176	0.0000	75.1008	75.1008	0.0243	0.0000	75.7080
Paving	7.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0395	0.3822	0.5469	8.6000e-004		0.0191	0.0191		0.0176	0.0176	0.0000	75.1008	75.1008	0.0243	0.0000	75.7080

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.2700e-003	0.0160	4.0000e-005	4.6500e-003	2.0000e-005	4.6700e-003	1.2300e-003	2.0000e-005	1.2600e-003	0.0000	3.6416	3.6416	1.1000e-004	1.1000e-004	3.6770
Total	1.9900e-003	1.2700e-003	0.0160	4.0000e-005	4.6500e-003	2.0000e-005	4.6700e-003	1.2300e-003	2.0000e-005	1.2600e-003	0.0000	3.6416	3.6416	1.1000e-004	1.1000e-004	3.6770

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	0.0387	0.3822	0.5469	8.6000e-004		0.0191	0.0191		0.0176	0.0176	0.0000	75.1007	75.1007	0.0243	0.0000	75.7079
Paving	7.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0395	0.3822	0.5469	8.6000e-004		0.0191	0.0191		0.0176	0.0176	0.0000	75.1007	75.1007	0.0243	0.0000	75.7079

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.5 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	1.9900e-003	1.2700e-003	0.0160	4.0000e-005	4.6500e-003	2.0000e-005	4.6700e-003	1.2300e-003	2.0000e-005	1.2600e-003	0.0000	3.6416	3.6416	1.1000e-004	1.1000e-004	3.6770
Total	1.9900e-003	1.2700e-003	0.0160	4.0000e-005	4.6500e-003	2.0000e-005	4.6700e-003	1.2300e-003	2.0000e-005	1.2600e-003	0.0000	3.6416	3.6416	1.1000e-004	1.1000e-004	3.6770

3.5 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1295	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3476	262.3476	0.0849	0.0000	264.4688
Paving	2.5300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1320	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3476	262.3476	0.0849	0.0000	264.4688

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.5 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	6.4900e-003	3.9400e-003	0.0521	1.3000e-004	0.0162	8.0000e-005	0.0163	4.3100e-003	7.0000e-005	4.3800e-003	0.0000	12.3594	12.3594	3.5000e-004	3.6000e-004	12.4740
Total	6.4900e-003	3.9400e-003	0.0521	1.3000e-004	0.0162	8.0000e-005	0.0163	4.3100e-003	7.0000e-005	4.3800e-003	0.0000	12.3594	12.3594	3.5000e-004	3.6000e-004	12.4740

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	0.1295	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3473	262.3473	0.0849	0.0000	264.4685
Paving	2.5300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1320	1.2477	1.9160	2.9900e-003		0.0614	0.0614		0.0565	0.0565	0.0000	262.3473	262.3473	0.0849	0.0000	264.4685

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.5 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.4900e-003	3.9400e-003	0.0521	1.3000e-004	0.0162	8.0000e-005	0.0163	4.3100e-003	7.0000e-005	4.3800e-003	0.0000	12.3594	12.3594	3.5000e-004	3.6000e-004	12.4740
Total	6.4900e-003	3.9400e-003	0.0521	1.3000e-004	0.0162	8.0000e-005	0.0163	4.3100e-003	7.0000e-005	4.3800e-003	0.0000	12.3594	12.3594	3.5000e-004	3.6000e-004	12.4740

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636
Paving	2.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1220	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2513	261.2513	0.0845	0.0000	263.3636

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.5 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0300e-003	3.5100e-003	0.0481	1.3000e-004	0.0162	7.0000e-005	0.0163	4.3000e-003	7.0000e-005	4.3600e-003	0.0000	11.8899	11.8899	3.2000e-004	3.3000e-004	11.9958
Total	6.0300e-003	3.5100e-003	0.0481	1.3000e-004	0.0162	7.0000e-005	0.0163	4.3000e-003	7.0000e-005	4.3600e-003	0.0000	11.8899	11.8899	3.2000e-004	3.3000e-004	11.9958

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	0.1194	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633
Paving	2.5200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1220	1.1199	1.9024	2.9800e-003		0.0546	0.0546		0.0503	0.0503	0.0000	261.2510	261.2510	0.0845	0.0000	263.3633

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.5 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0300e-003	3.5100e-003	0.0481	1.3000e-004	0.0162	7.0000e-005	0.0163	4.3000e-003	7.0000e-005	4.3600e-003	0.0000	11.8899	11.8899	3.2000e-004	3.3000e-004	11.9958
Total	6.0300e-003	3.5100e-003	0.0481	1.3000e-004	0.0162	7.0000e-005	0.0163	4.3000e-003	7.0000e-005	4.3600e-003	0.0000	11.8899	11.8899	3.2000e-004	3.3000e-004	11.9958

3.6 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	0.1536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1900e-003	0.0489	0.0679	1.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	9.5747	9.5747	5.7000e-004	0.0000	9.5890
Total	0.1608	0.0489	0.0679	1.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	9.5747	9.5747	5.7000e-004	0.0000	9.5890

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.6 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	5.7200e-003	3.6300e-003	0.0459	1.1000e-004	0.0133	7.0000e-005	0.0134	3.5400e-003	6.0000e-005	3.6000e-003	0.0000	10.4392	10.4392	3.2000e-004	3.1000e-004	10.5408
Total	5.7200e-003	3.6300e-003	0.0459	1.1000e-004	0.0133	7.0000e-005	0.0134	3.5400e-003	6.0000e-005	3.6000e-003	0.0000	10.4392	10.4392	3.2000e-004	3.1000e-004	10.5408

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	0.1536					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1900e-003	0.0489	0.0679	1.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	9.5747	9.5747	5.7000e-004	0.0000	9.5890
Total	0.1608	0.0489	0.0679	1.1000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	9.5747	9.5747	5.7000e-004	0.0000	9.5890

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7200e-003	3.6300e-003	0.0459	1.1000e-004	0.0133	7.0000e-005	0.0134	3.5400e-003	6.0000e-005	3.6000e-003	0.0000	10.4392	10.4392	3.2000e-004	3.1000e-004	10.5408
Total	5.7200e-003	3.6300e-003	0.0459	1.1000e-004	0.0133	7.0000e-005	0.0134	3.5400e-003	6.0000e-005	3.6000e-003	0.0000	10.4392	10.4392	3.2000e-004	3.1000e-004	10.5408

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5366					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.5603	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0186	0.0113	0.1494	3.9000e-004	0.0466	2.2000e-004	0.0468	0.0124	2.1000e-004	0.0126	0.0000	35.4302	35.4302	1.0100e-003	1.0200e-003	35.7587
Total	0.0186	0.0113	0.1494	3.9000e-004	0.0466	2.2000e-004	0.0468	0.0124	2.1000e-004	0.0126	0.0000	35.4302	35.4302	1.0100e-003	1.0200e-003	35.7587

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	0.5366					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	0.5603	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0186	0.0113	0.1494	3.9000e-004	0.0466	2.2000e-004	0.0468	0.0124	2.1000e-004	0.0126	0.0000	35.4302	35.4302	1.0100e-003	1.0200e-003	35.7587
Total	0.0186	0.0113	0.1494	3.9000e-004	0.0466	2.2000e-004	0.0468	0.0124	2.1000e-004	0.0126	0.0000	35.4302	35.4302	1.0100e-003	1.0200e-003	35.7587

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5346					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	0.5569	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0173	0.0101	0.1378	3.7000e-004	0.0464	2.1000e-004	0.0466	0.0123	1.9000e-004	0.0125	0.0000	34.0845	34.0845	9.1000e-004	9.4000e-004	34.3881
Total	0.0173	0.0101	0.1378	3.7000e-004	0.0464	2.1000e-004	0.0466	0.0123	1.9000e-004	0.0125	0.0000	34.0845	34.0845	9.1000e-004	9.4000e-004	34.3881

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	0.5346					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	0.5569	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0173	0.0101	0.1378	3.7000e-004	0.0464	2.1000e-004	0.0466	0.0123	1.9000e-004	0.0125	0.0000	34.0845	34.0845	9.1000e-004	9.4000e-004	34.3881
Total	0.0173	0.0101	0.1378	3.7000e-004	0.0464	2.1000e-004	0.0466	0.0123	1.9000e-004	0.0125	0.0000	34.0845	34.0845	9.1000e-004	9.4000e-004	34.3881

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.3516	1.2449	7.8427	0.0139	1.4418	0.0117	1.4535	0.3848	0.0109	0.3957	0.0000	1,287,459 7	1,287,459 7	0.1010	0.0854	1,315,424 9
Unmitigated	1.3516	1.2449	7.8427	0.0139	1.4418	0.0117	1.4535	0.3848	0.0109	0.3957	0.0000	1,287,459 7	1,287,459 7	0.1010	0.0854	1,315,424 9

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,213.20	819.00	694.80	2,422,202	2,422,202
Convenience Market with Gas Pumps	975.25	975.25	975.25	330,203	330,203
Fast Food Restaurant with Drive Thru	1,682.93	2,218.03	1701.29	1,044,869	1,044,869
Parking Lot	0.00	0.00	0.00		
Total	3,871.38	4,012.28	3,371.34	3,797,273	3,797,273

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
Apartments Low Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Convenience Market with Gas	12.50	4.20	5.40	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	12.50	4.20	5.40	2.20	78.80	19.00	29	21	50
Parking Lot	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744
Convenience Market with Gas Pumps	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744
Fast Food Restaurant with Drive Thru	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744
Parking Lot	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744

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	89.8173	89.8173	0.0156	1.8900e-003	90.7709
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	89.8173	89.8173	0.0156	1.8900e-003	90.7709
NaturalGas Mitigated	0.0200	0.1741	0.0942	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	198.2241	198.2241	3.8000e-003	3.6300e-003	199.4021
NaturalGas Unmitigated	0.0200	0.1741	0.0942	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	198.2241	198.2241	3.8000e-003	3.6300e-003	199.4021

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	2.72266e+006	0.0147	0.1255	0.0534	8.0000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	145.2917	145.2917	2.7800e-003	2.6600e-003	146.1551
Convenience Market with Gas Pumps	10340	6.0000e-005	5.1000e-004	4.3000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5518	0.5518	1.0000e-005	1.0000e-005	0.5551
Fast Food Restaurant with Drive Thru	981576	5.2900e-003	0.0481	0.0404	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003	0.0000	52.3806	52.3806	1.0000e-003	9.6000e-004	52.6919
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
Total		0.0200	0.1741	0.0942	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	198.2241	198.2241	3.7900e-003	3.6300e-003	199.4021

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	2.72266e+006	0.0147	0.1255	0.0534	8.0000e-004		0.0101	0.0101		0.0101	0.0101	0.0000	145.2917	145.2917	2.7800e-003	2.6600e-003	146.1551
Convenience Market with Gas Pumps	10340	6.0000e-005	5.1000e-004	4.3000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5518	0.5518	1.0000e-005	1.0000e-005	0.5551
Fast Food Restaurant with Drive Thru	981576	5.2900e-003	0.0481	0.0404	2.9000e-004		3.6600e-003	3.6600e-003		3.6600e-003	3.6600e-003	0.0000	52.3806	52.3806	1.0000e-003	9.6000e-004	52.6919
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
Total		0.0200	0.1741	0.0942	1.0900e-003		0.0138	0.0138		0.0138	0.0138	0.0000	198.2241	198.2241	3.7900e-003	3.6300e-003	199.4021

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	750591	64.6810	0.0112	1.3600e-003	65.3678
Convenience Market with Gas Pumps	57058	4.9169	8.5000e-004	1.0000e-004	4.9691
Fast Food Restaurant with Drive Thru	166176	14.3200	2.4900e-003	3.0000e-004	14.4720
Parking Lot	68460	5.8994	1.0200e-003	1.2000e-004	5.9621
Total		89.8173	0.0156	1.8800e-003	90.7709

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	750591	64.6810	0.0112	1.3600e-003	65.3678
Convenience Market with Gas Pumps	57058	4.9169	8.5000e-004	1.0000e-004	4.9691
Fast Food Restaurant with Drive Thru	166176	14.3200	2.4900e-003	3.0000e-004	14.4720
Parking Lot	68460	5.8994	1.0200e-003	1.2000e-004	5.9621
Total		89.8173	0.0156	1.8800e-003	90.7709

6.0 Area Detail

6.1 Mitigation Measures Area

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.9110	0.0154	1.3398	7.0000e-005		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	2.1921	2.1921	2.1100e-003	0.0000	2.2449
Unmitigated	0.9110	0.0154	1.3398	7.0000e-005		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	2.1921	2.1921	2.1100e-003	0.0000	2.2449

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	0.1225					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7481					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	0.0405	0.0154	1.3398	7.0000e-005		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	2.1921	2.1921	2.1100e-003	0.0000	2.2449
Total	0.9110	0.0154	1.3398	7.0000e-005		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	2.1921	2.1921	2.1100e-003	0.0000	2.2449

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1225					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7481					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	0.0405	0.0154	1.3398	7.0000e-005		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	2.1921	2.1921	2.1100e-003	0.0000	2.2449
Total	0.9110	0.0154	1.3398	7.0000e-005		7.4300e-003	7.4300e-003		7.4300e-003	7.4300e-003	0.0000	2.1921	2.1921	2.1100e-003	0.0000	2.2449

7.0 Water Detail

7.1 Mitigation Measures Water

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	26.3034	0.4329	0.0106	40.2851
Unmitigated	26.3034	0.4329	0.0106	40.2851

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	11.7277 / 7.39357	23.9584	0.3857	9.4500e-003	36.4160
Convenience Market with Gas Pumps	0.348141 / 0.213377	0.7054	0.0115	2.8000e-004	1.0751
Fast Food Restaurant with Drive Thru	1.09272 / 0.0697482	1.6396	0.0358	8.7000e-004	2.7940
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		26.3034	0.4329	0.0106	40.2851

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	11.7277 / 7.39357	23.9584	0.3857	9.4500e-003	36.4160
Convenience Market with Gas Pumps	0.348141 / 0.213377	0.7054	0.0115	2.8000e-004	1.0751
Fast Food Restaurant with Drive Thru	1.09272 / 0.0697482	1.6396	0.0358	8.7000e-004	2.7940
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		26.3034	0.4329	0.0106	40.2851

8.0 Waste Detail

8.1 Mitigation Measures Waste

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	28.0919	1.6602	0.0000	69.5965
Unmitigated	28.0919	1.6602	0.0000	69.5965

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	82.8	16.8077	0.9933	0.0000	41.6403
Convenience Market with Gas Pumps	14.12	2.8662	0.1694	0.0000	7.1010
Fast Food Restaurant with Drive Thru	41.47	8.4180	0.4975	0.0000	20.8553
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		28.0919	1.6602	0.0000	69.5966

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	82.8	16.8077	0.9933	0.0000	41.6403
Convenience Market with Gas Pumps	14.12	2.8662	0.1694	0.0000	7.1010
Fast Food Restaurant with Drive Thru	41.47	8.4180	0.4975	0.0000	20.8553
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		28.0919	1.6602	0.0000	69.5966

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Annual

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

Equipment Type	Number
----------------	--------

11.0 Vegetation

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

**Dune Palms Mixed-Use Development
Salton Sea Air Basin, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Fast Food Restaurant with Drive Thru	3.60	1000sqft	1.45	3,600.00	0
Apartments Low Rise	180.00	Dwelling Unit	2.10	180,000.00	427
Convenience Market with Gas Pumps	4.70	1000sqft	1.45	4,700.00	0
Parking Lot	489.00	Space	4.40	195,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2026
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MW hr)	189.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 9.4-acre mixed use development, including 180 multi-family residential units, 4,761 SF drive-through QSR, and 3,596 SF car wash.

Land Use - 5.1AC res., 4.3AC comm. (convenience market w gas pumps used bc CalEEMod does not have car wash). 427 residents based on Table E-5 av. household size (2.37). Assumes 489 parking spaces per commercial site plan + zoning code.

Construction Phase - Assumes 2.5 year build out. Starting in June 2023, ending by Jan 1 2026. Assumes paving and architectural coating are concurrent with building construction phase.

On-road Fugitive Dust - All roads in Project vicinity are paved.

Grading - Based on grading plans for car wash (70 CY cut, 4,7769 CY fill) and quick serve restaurant (1000 CY cut, 2,200 CY fill) + extrapolation for residential component.

Vehicle Trips - Based on Project-specific traffic study. Trip rates sourced from ITE 11th ed. except car wash which is based on empirical estimation.

Road Dust - All roads in Project area paved.

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

Woodstoves - Assumes no fire places in residential units.

Construction Off-road Equipment Mitigation - Assumes standard dust control measures per SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	230.00	608.00
tblConstructionPhase	NumDays	20.00	598.00
tblConstructionPhase	NumDays	20.00	598.00
tblConstructionPhase	PhaseEndDate	7/12/2023	8/15/2023
tblConstructionPhase	PhaseEndDate	5/29/2024	12/12/2025
tblConstructionPhase	PhaseEndDate	6/26/2024	12/31/2025
tblConstructionPhase	PhaseEndDate	7/24/2024	12/31/2025
tblConstructionPhase	PhaseStartDate	7/13/2023	8/16/2023
tblConstructionPhase	PhaseStartDate	5/30/2024	9/18/2023
tblConstructionPhase	PhaseStartDate	6/27/2024	9/18/2023
tblFireplaces	FireplaceDayYear	4.30	0.00
tblFireplaces	FireplaceHourDay	2.79	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	NumberGas	99.00	0.00
tblGrading	AcresOfGrading	44.00	9.40
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	0.08	1.45
tblLandUse	LotAcreage	11.25	2.10
tblLandUse	LotAcreage	0.11	1.45
tblLandUse	Population	581.00	427.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	8.14	4.55
tblVehicleTrips	ST_TR	624.20	207.50
tblVehicleTrips	SU_TR	6.28	3.86
tblVehicleTrips	SU_TR	624.20	207.50
tblVehicleTrips	WD_TR	7.32	6.74
tblVehicleTrips	WD_TR	624.20	207.50
tblVehicleTrips	WD_TR	470.95	467.48

2.0 Emissions Summary

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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					
2023	8.1839	28.0249	43.2343	0.0816	19.8076	1.3039	21.0744	10.1424	1.2204	11.3078	0.0000	8,001.560 3	8,001.560 3	1.4063	0.2612	8,088.525 7
2024	7.9416	26.2712	42.5244	0.0809	2.5504	1.1652	3.7156	0.6826	1.0900	1.7726	0.0000	7,929.668 8	7,929.668 8	1.3961	0.1676	8,014.528 6
2025	7.6767	24.2075	41.6990	0.0801	2.5504	1.0194	3.5698	0.6826	0.9533	1.6359	0.0000	7,843.380 6	7,843.380 6	1.3863	0.1612	7,926.087 6
Maximum	8.1839	28.0249	43.2343	0.0816	19.8076	1.3039	21.0744	10.1424	1.2204	11.3078	0.0000	8,001.560 3	8,001.560 3	1.4063	0.2612	8,088.525 7

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					
2023	8.1839	28.0249	43.2343	0.0816	7.8168	1.3039	9.0836	3.9799	1.2204	5.1453	0.0000	8,001.560 3	8,001.560 3	1.4063	0.2612	8,088.525 7
2024	7.9416	26.2712	42.5244	0.0809	2.5504	1.1652	3.7156	0.6826	1.0900	1.7726	0.0000	7,929.668 8	7,929.668 8	1.3961	0.1676	8,014.528 6
2025	7.6767	24.2075	41.6990	0.0801	2.5504	1.0194	3.5698	0.6826	0.9533	1.6359	0.0000	7,843.380 6	7,843.380 6	1.3863	0.1612	7,926.087 6
Maximum	8.1839	28.0249	43.2343	0.0816	7.8168	1.3039	9.0836	3.9799	1.2204	5.1453	0.0000	8,001.560 3	8,001.560 3	1.4063	0.2612	8,088.525 7

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	48.14	0.00	42.28	53.55	0.00	41.88	0.00	0.00	0.00	0.00	0.00	0.00

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955
Energy	0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0230	0.0220	1,204.4009
Mobile	11.7264	7.6293	56.2243	0.0940	9.2031	0.0738	9.2769	2.4539	0.0689	2.5228		9,572.6277	9,572.6277	0.6885	0.6001	9,768.6596
Total	17.0563	8.7545	71.6275	0.1008	9.2031	0.2321	9.4352	2.4539	0.2273	2.6811	0.0000	10,796.7619	10,796.7619	0.7373	0.6220	11,000.5559

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	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955
Energy	0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0230	0.0220	1,204.4009
Mobile	11.7264	7.6293	56.2243	0.0940	9.2031	0.0738	9.2769	2.4539	0.0689	2.5228		9,572.6277	9,572.6277	0.6885	0.6001	9,768.6596
Total	17.0563	8.7545	71.6275	0.1008	9.2031	0.2321	9.4352	2.4539	0.2273	2.6811	0.0000	10,796.7619	10,796.7619	0.7373	0.6220	11,000.5559

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/14/2023	5	10	
2	Grading	Grading	6/15/2023	8/15/2023	5	44	
3	Building Construction	Building Construction	8/16/2023	12/12/2025	5	608	
4	Paving	Paving	9/18/2023	12/31/2025	5	598	
5	Architectural Coating	Architectural Coating	9/18/2023	12/31/2025	5	598	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 9.4

Acres of Paving: 4.4

Residential Indoor: 364,500; Residential Outdoor: 121,500; Non-Residential Indoor: 12,450; Non-Residential Outdoor: 4,150; Striped Parking Area: 11,736 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	215.00	53.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	43.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0786	0.0405	0.6404	1.3900e-003	0.1506	7.4000e-004	0.1513	0.0400	6.8000e-004	0.0406		140.8882	140.8882	4.0400e-003	3.8800e-003	142.1464
Total	0.0786	0.0405	0.6404	1.3900e-003	0.1506	7.4000e-004	0.1513	0.0400	6.8000e-004	0.0406		140.8882	140.8882	4.0400e-003	3.8800e-003	142.1464

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.2 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.6662	1.2660	8.9323	3.9400	1.1647	5.1047	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0786	0.0405	0.6404	1.3900e-003	0.1506	7.4000e-004	0.1513	0.0400	6.8000e-004	0.0406		140.8882	140.8882	4.0400e-003	3.8800e-003	142.1464
Total	0.0786	0.0405	0.6404	1.3900e-003	0.1506	7.4000e-004	0.1513	0.0400	6.8000e-004	0.0406		140.8882	140.8882	4.0400e-003	3.8800e-003	142.1464

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.3 Grading - 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					6.2939	0.0000	6.2939	3.3415	0.0000	3.3415			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.2939	0.7749	7.0688	3.3415	0.7129	4.0545		2,872.6910	2,872.6910	0.9291		2,895.9182

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	0.0697	2.7998	0.8484	0.0154	0.4983	0.0344	0.5327	0.1367	0.0329	0.1696		1,639.7177	1,639.7177	0.0113	0.2580	1,716.8716
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	0.0655	0.0338	0.5337	1.1600e-003	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		117.4068	117.4068	3.3600e-003	3.2400e-003	118.4553
Total	0.1352	2.8336	1.3820	0.0166	0.6238	0.0350	0.6588	0.1700	0.0335	0.2035		1,757.1245	1,757.1245	0.0147	0.2612	1,835.3270

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4546	0.0000	2.4546	1.3032	0.0000	1.3032			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	2.4546	0.7749	3.2296	1.3032	0.7129	2.0161	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

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	0.0697	2.7998	0.8484	0.0154	0.4983	0.0344	0.5327	0.1367	0.0329	0.1696		1,639.7177	1,639.7177	0.0113	0.2580	1,716.8716
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	0.0655	0.0338	0.5337	1.1600e-003	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		117.4068	117.4068	3.3600e-003	3.2400e-003	118.4553
Total	0.1352	2.8336	1.3820	0.0166	0.6238	0.0350	0.6588	0.1700	0.0335	0.2035		1,757.1245	1,757.1245	0.0147	0.2612	1,835.3270

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0784	1.5311	0.8818	7.7800e-003	0.2663	0.0119	0.2781	0.0767	0.0114	0.0881		820.5140	820.5140	6.3700e-003	0.1150	854.9301
Worker	0.9393	0.4838	7.6495	0.0167	1.7988	8.8700e-003	1.8077	0.4771	8.1700e-003	0.4853		1,682.8312	1,682.8312	0.0482	0.0464	1,697.8597
Total	1.0177	2.0149	8.5313	0.0244	2.0651	0.0207	2.0858	0.5538	0.0195	0.5734		2,503.3451	2,503.3451	0.0546	0.1614	2,552.7898

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0784	1.5311	0.8818	7.7800e-003	0.2663	0.0119	0.2781	0.0767	0.0114	0.0881		820.5140	820.5140	6.3700e-003	0.1150	854.9301
Worker	0.9393	0.4838	7.6495	0.0167	1.7988	8.8700e-003	1.8077	0.4771	8.1700e-003	0.4853		1,682.8312	1,682.8312	0.0482	0.0464	1,697.8597
Total	1.0177	2.0149	8.5313	0.0244	2.0651	0.0207	2.0858	0.5538	0.0195	0.5734		2,503.3451	2,503.3451	0.0546	0.1614	2,552.7898

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0768	1.5361	0.8657	7.6800e-003	0.2662	0.0117	0.2779	0.0767	0.0112	0.0879		809.4183	809.4183	6.3200e-003	0.1130	843.2401
Worker	0.8732	0.4316	7.1320	0.0162	1.7988	8.5300e-003	1.8074	0.4771	7.8500e-003	0.4850		1,634.5957	1,634.5957	0.0438	0.0431	1,648.5225
Total	0.9500	1.9676	7.9977	0.0239	2.0651	0.0202	2.0853	0.5538	0.0190	0.5729		2,444.0140	2,444.0140	0.0501	0.1560	2,491.7627

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0768	1.5361	0.8657	7.6800e-003	0.2662	0.0117	0.2779	0.0767	0.0112	0.0879		809.4183	809.4183	6.3200e-003	0.1130	843.2401
Worker	0.8732	0.4316	7.1320	0.0162	1.7988	8.5300e-003	1.8074	0.4771	7.8500e-003	0.4850		1,634.5957	1,634.5957	0.0438	0.0431	1,648.5225
Total	0.9500	1.9676	7.9977	0.0239	2.0651	0.0202	2.0853	0.5538	0.0190	0.5729		2,444.0140	2,444.0140	0.0501	0.1560	2,491.7627

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0755	1.5204	0.8504	7.5400e-003	0.2662	0.0116	0.2779	0.0767	0.0111	0.0878		794.8215	794.8215	6.3000e-003	0.1104	827.8679
Worker	0.8129	0.3862	6.5972	0.0156	1.7988	8.0600e-003	1.8069	0.4771	7.4200e-003	0.4846		1,578.156 4	1,578.156 4	0.0394	0.0401	1,591.080 3
Total	0.8884	1.9066	7.4475	0.0232	2.0651	0.0197	2.0848	0.5538	0.0185	0.5724		2,372.977 9	2,372.977 9	0.0457	0.1504	2,418.948 2

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0755	1.5204	0.8504	7.5400e-003	0.2662	0.0116	0.2779	0.0767	0.0111	0.0878		794.8215	794.8215	6.3000e-003	0.1104	827.8679
Worker	0.8129	0.3862	6.5972	0.0156	1.7988	8.0600e-003	1.8069	0.4771	7.4200e-003	0.4846		1,578.156 4	1,578.156 4	0.0394	0.0401	1,591.080 3
Total	0.8884	1.9066	7.4475	0.0232	2.0651	0.0197	2.0848	0.5538	0.0185	0.5724		2,372.977 9	2,372.977 9	0.0457	0.1504	2,418.948 2

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.5 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	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0520	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

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	0.0655	0.0338	0.5337	1.1600e-003	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		117.4068	117.4068	3.3600e-003	3.2400e-003	118.4553
Total	0.0655	0.0338	0.5337	1.1600e-003	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		117.4068	117.4068	3.3600e-003	3.2400e-003	118.4553

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.5 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	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0520	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

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	0.0655	0.0338	0.5337	1.1600e-003	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		117.4068	117.4068	3.3600e-003	3.2400e-003	118.4553
Total	0.0655	0.0338	0.5337	1.1600e-003	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		117.4068	117.4068	3.3600e-003	3.2400e-003	118.4553

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.5 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	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0074	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

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	0.0609	0.0301	0.4976	1.1300e-003	0.1255	5.9000e-004	0.1261	0.0333	5.5000e-004	0.0338		114.0416	114.0416	3.0600e-003	3.0000e-003	115.0132
Total	0.0609	0.0301	0.4976	1.1300e-003	0.1255	5.9000e-004	0.1261	0.0333	5.5000e-004	0.0338		114.0416	114.0416	3.0600e-003	3.0000e-003	115.0132

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.5 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	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0074	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

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	0.0609	0.0301	0.4976	1.1300e-003	0.1255	5.9000e-004	0.1261	0.0333	5.5000e-004	0.0338		114.0416	114.0416	3.0600e-003	3.0000e-003	115.0132
Total	0.0609	0.0301	0.4976	1.1300e-003	0.1255	5.9000e-004	0.1261	0.0333	5.5000e-004	0.0338		114.0416	114.0416	3.0600e-003	3.0000e-003	115.0132

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9344	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

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	0.0567	0.0269	0.4603	1.0900e-003	0.1255	5.6000e-004	0.1261	0.0333	5.2000e-004	0.0338		110.1039	110.1039	2.7500e-003	2.8000e-003	111.0056
Total	0.0567	0.0269	0.4603	1.0900e-003	0.1255	5.6000e-004	0.1261	0.0333	5.2000e-004	0.0338		110.1039	110.1039	2.7500e-003	2.8000e-003	111.0056

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.5 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9344	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0567	0.0269	0.4603	1.0900e-003	0.1255	5.6000e-004	0.1261	0.0333	5.2000e-004	0.0338		110.1039	110.1039	2.7500e-003	2.8000e-003	111.0056
Total	0.0567	0.0269	0.4603	1.0900e-003	0.1255	5.6000e-004	0.1261	0.0333	5.2000e-004	0.0338		110.1039	110.1039	2.7500e-003	2.8000e-003	111.0056

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.6 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	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	4.2880	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.1879	0.0968	1.5299	3.3300e-003	0.3598	1.7700e-003	0.3615	0.0954	1.6300e-003	0.0971		336.5662	336.5662	9.6400e-003	9.2800e-003	339.5719
Total	0.1879	0.0968	1.5299	3.3300e-003	0.3598	1.7700e-003	0.3615	0.0954	1.6300e-003	0.0971		336.5662	336.5662	9.6400e-003	9.2800e-003	339.5719

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.6 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	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	4.2880	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.1879	0.0968	1.5299	3.3300e-003	0.3598	1.7700e-003	0.3615	0.0954	1.6300e-003	0.0971		336.5662	336.5662	9.6400e-003	9.2800e-003	339.5719
Total	0.1879	0.0968	1.5299	3.3300e-003	0.3598	1.7700e-003	0.3615	0.0954	1.6300e-003	0.0971		336.5662	336.5662	9.6400e-003	9.2800e-003	339.5719

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	4.2771	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.1746	0.0863	1.4264	3.2300e-003	0.3598	1.7100e-003	0.3615	0.0954	1.5700e-003	0.0970		326.9191	326.9191	8.7600e-003	8.6100e-003	329.7045
Total	0.1746	0.0863	1.4264	3.2300e-003	0.3598	1.7100e-003	0.3615	0.0954	1.5700e-003	0.0970		326.9191	326.9191	8.7600e-003	8.6100e-003	329.7045

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	4.2771	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.1746	0.0863	1.4264	3.2300e-003	0.3598	1.7100e-003	0.3615	0.0954	1.5700e-003	0.0970		326.9191	326.9191	8.7600e-003	8.6100e-003	329.7045
Total	0.1746	0.0863	1.4264	3.2300e-003	0.3598	1.7100e-003	0.3615	0.0954	1.5700e-003	0.0970		326.9191	326.9191	8.7600e-003	8.6100e-003	329.7045

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	4.2672	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.1626	0.0772	1.3194	3.1200e-003	0.3598	1.6100e-003	0.3614	0.0954	1.4800e-003	0.0969		315.6313	315.6313	7.8800e-003	8.0100e-003	318.2161
Total	0.1626	0.0772	1.3194	3.1200e-003	0.3598	1.6100e-003	0.3614	0.0954	1.4800e-003	0.0969		315.6313	315.6313	7.8800e-003	8.0100e-003	318.2161

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	4.2672	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.1626	0.0772	1.3194	3.1200e-003	0.3598	1.6100e-003	0.3614	0.0954	1.4800e-003	0.0969		315.6313	315.6313	7.8800e-003	8.0100e-003	318.2161
Total	0.1626	0.0772	1.3194	3.1200e-003	0.3598	1.6100e-003	0.3614	0.0954	1.4800e-003	0.0969		315.6313	315.6313	7.8800e-003	8.0100e-003	318.2161

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	11.7264	7.6293	56.2243	0.0940	9.2031	0.0738	9.2769	2.4539	0.0689	2.5228		9,572.6277	9,572.6277	0.6885	0.6001	9,768.6596
Unmitigated	11.7264	7.6293	56.2243	0.0940	9.2031	0.0738	9.2769	2.4539	0.0689	2.5228		9,572.6277	9,572.6277	0.6885	0.6001	9,768.6596

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,213.20	819.00	694.80	2,422,202	2,422,202
Convenience Market with Gas Pumps	975.25	975.25	975.25	330,203	330,203
Fast Food Restaurant with Drive Thru	1,682.93	2,218.03	1701.29	1,044,869	1,044,869
Parking Lot	0.00	0.00	0.00		
Total	3,871.38	4,012.28	3,371.34	3,797,273	3,797,273

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
Apartments Low Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Convenience Market with Gas	12.50	4.20	5.40	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	12.50	4.20	5.40	2.20	78.80	19.00	29	21	50

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

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	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744
Convenience Market with Gas Pumps	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744
Fast Food Restaurant with Drive Thru	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744
Parking Lot	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744

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	0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0230	0.0220	1,204.4009
NaturalGas Unmitigated	0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0230	0.0220	1,204.4009

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

5.2 Energy by Land Use - NaturalGas

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					
Apartments Low Rise	7459.35	0.0804	0.6874	0.2925	4.3900e-003		0.0556	0.0556		0.0556	0.0556		877.5709	877.5709	0.0168	0.0161	882.7859
Convenience Market with Gas Pumps	28.3288	3.1000e-004	2.7800e-003	2.3300e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3328	3.3328	6.0000e-005	6.0000e-005	3.3526
Fast Food Restaurant with Drive Thru	2689.25	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.3823	316.3823	6.0600e-003	5.8000e-003	318.2624
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
Total		0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0229	0.0220	1,204.4009

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	7.45935	0.0804	0.6874	0.2925	4.3900e-003		0.0556	0.0556		0.0556	0.0556		877.5709	877.5709	0.0168	0.0161	882.7859
Convenience Market with Gas Pumps	0.0283288	3.1000e-004	2.7800e-003	2.3300e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3328	3.3328	6.0000e-005	6.0000e-005	3.3526
Fast Food Restaurant with Drive Thru	2.68925	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.3823	316.3823	6.0600e-003	5.8000e-003	318.2624
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
Total		0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0229	0.0220	1,204.4009

6.0 Area Detail

6.1 Mitigation Measures Area

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955
Unmitigated	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955

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	0.6711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.0989					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	0.4501	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825		26.8483	26.8483	0.0259		27.4955
Total	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.0989					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	0.4501	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825		26.8483	26.8483	0.0259		27.4955
Total	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955

7.0 Water Detail

7.1 Mitigation Measures Water

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

**Dune Palms Mixed-Use Development
Salton Sea Air Basin, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Fast Food Restaurant with Drive Thru	3.60	1000sqft	1.45	3,600.00	0
Apartments Low Rise	180.00	Dwelling Unit	2.10	180,000.00	427
Convenience Market with Gas Pumps	4.70	1000sqft	1.45	4,700.00	0
Parking Lot	489.00	Space	4.40	195,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.4	Precipitation Freq (Days)	20
Climate Zone	10			Operational Year	2026
Utility Company	Imperial Irrigation District				
CO2 Intensity (lb/MWhr)	189.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 9.4-acre mixed use development, including 180 multi-family residential units, 4,761 SF drive-through QSR, and 3,596 SF car wash.

Land Use - 5.1AC res., 4.3AC comm. (convenience market w gas pumps used bc CalEEMod does not have car wash). 427 residents based on Table E-5 av. household size (2.37). Assumes 489 parking spaces per commercial site plan + zoning code.

Construction Phase - Assumes 2.5 year build out. Starting in June 2023, ending by Jan 1 2026. Assumes paving and architectural coating are concurrent with building construction phase.

On-road Fugitive Dust - All roads in Project vicinity are paved.

Grading - Based on grading plans for car wash (70 CY cut, 4,7769 CY fill) and quick serve restaurant (1000 CY cut, 2,200 CY fill) + extrapolation for residential component.

Vehicle Trips - Based on Project-specific traffic study. Trip rates sourced from ITE 11th ed. except car wash which is based on empirical estimation.

Road Dust - All roads in Project area paved.

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

Woodstoves - Assumes no fire places in residential units.

Construction Off-road Equipment Mitigation - Assumes standard dust control measures per SCAQMD Rule 403.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	230.00	608.00
tblConstructionPhase	NumDays	20.00	598.00
tblConstructionPhase	NumDays	20.00	598.00
tblConstructionPhase	PhaseEndDate	7/12/2023	8/15/2023
tblConstructionPhase	PhaseEndDate	5/29/2024	12/12/2025
tblConstructionPhase	PhaseEndDate	6/26/2024	12/31/2025
tblConstructionPhase	PhaseEndDate	7/24/2024	12/31/2025
tblConstructionPhase	PhaseStartDate	7/13/2023	8/16/2023
tblConstructionPhase	PhaseStartDate	5/30/2024	9/18/2023
tblConstructionPhase	PhaseStartDate	6/27/2024	9/18/2023
tblFireplaces	FireplaceDayYear	4.30	0.00
tblFireplaces	FireplaceHourDay	2.79	0.00
tblFireplaces	FireplaceWoodMass	2,080.00	0.00
tblFireplaces	NumberGas	99.00	0.00
tblGrading	AcresOfGrading	44.00	9.40
tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	LotAcreage	0.08	1.45
tblLandUse	LotAcreage	11.25	2.10
tblLandUse	LotAcreage	0.11	1.45
tblLandUse	Population	581.00	427.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00
tblOnRoadDust	HaulingPercentPave	50.00	100.00

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	VendorPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblOnRoadDust	WorkerPercentPave	50.00	100.00
tblRoadDust	RoadPercentPave	50	100
tblVehicleTrips	ST_TR	8.14	4.55
tblVehicleTrips	ST_TR	624.20	207.50
tblVehicleTrips	SU_TR	6.28	3.86
tblVehicleTrips	SU_TR	624.20	207.50
tblVehicleTrips	WD_TR	7.32	6.74
tblVehicleTrips	WD_TR	624.20	207.50
tblVehicleTrips	WD_TR	470.95	467.48

2.0 Emissions Summary

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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					
2023	7.8949	28.1736	40.4878	0.0785	19.8076	1.3040	21.0744	10.1424	1.2204	11.3078	0.0000	7,689.073 0	7,689.073 0	1.4060	0.2618	7,776.455 0
2024	7.6766	26.4174	39.9747	0.0780	2.5504	1.1653	3.7157	0.6826	1.0900	1.7726	0.0000	7,626.913 4	7,626.913 4	1.3960	0.1690	7,712.157 7
2025	7.4320	24.3502	39.3562	0.0772	2.5504	1.0195	3.5698	0.6826	0.9534	1.6360	0.0000	7,551.862 3	7,551.862 3	1.3865	0.1624	7,634.931 4
Maximum	7.8949	28.1736	40.4878	0.0785	19.8076	1.3040	21.0744	10.1424	1.2204	11.3078	0.0000	7,689.073 0	7,689.073 0	1.4060	0.2618	7,776.455 0

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					
2023	7.8949	28.1736	40.4878	0.0785	7.8168	1.3040	9.0836	3.9799	1.2204	5.1453	0.0000	7,689.073 0	7,689.073 0	1.4060	0.2618	7,776.455 0
2024	7.6766	26.4174	39.9747	0.0780	2.5504	1.1653	3.7157	0.6826	1.0900	1.7726	0.0000	7,626.913 4	7,626.913 4	1.3960	0.1690	7,712.157 7
2025	7.4320	24.3502	39.3562	0.0772	2.5504	1.0195	3.5698	0.6826	0.9534	1.6360	0.0000	7,551.862 3	7,551.862 3	1.3865	0.1624	7,634.931 4
Maximum	7.8949	28.1736	40.4878	0.0785	7.8168	1.3040	9.0836	3.9799	1.2204	5.1453	0.0000	7,689.073 0	7,689.073 0	1.4060	0.2618	7,776.455 0

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955
Energy	0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0230	0.0220	1,204.4009
Mobile	6.9942	8.1806	50.0470	0.0840	9.2031	0.0740	9.2771	2.4539	0.0691	2.5230		8,567.3863	8,567.3863	0.7625	0.6091	8,767.9568
Total	12.3241	9.3058	65.4501	0.0908	9.2031	0.2323	9.4354	2.4539	0.2274	2.6813	0.0000	9,791.5206	9,791.5206	0.8114	0.6310	9,999.8531

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	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955
Energy	0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0230	0.0220	1,204.4009
Mobile	6.9942	8.1806	50.0470	0.0840	9.2031	0.0740	9.2771	2.4539	0.0691	2.5230		8,567.3863	8,567.3863	0.7625	0.6091	8,767.9568
Total	12.3241	9.3058	65.4501	0.0908	9.2031	0.2323	9.4354	2.4539	0.2274	2.6813	0.0000	9,791.5206	9,791.5206	0.8114	0.6310	9,999.8531

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2023	6/14/2023	5	10	
2	Grading	Grading	6/15/2023	8/15/2023	5	44	
3	Building Construction	Building Construction	8/16/2023	12/12/2025	5	608	
4	Paving	Paving	9/18/2023	12/31/2025	5	598	
5	Architectural Coating	Architectural Coating	9/18/2023	12/31/2025	5	598	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 9.4

Acres of Paving: 4.4

Residential Indoor: 364,500; Residential Outdoor: 121,500; Non-Residential Indoor: 12,450; Non-Residential Outdoor: 4,150; Striped Parking Area: 11,736 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	1,250.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	215.00	53.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	43.00	0.00	0.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	19.6570	1.2660	20.9230	10.1025	1.1647	11.2672		3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0600	0.0416	0.4571	1.1900e-003	0.1506	7.4000e-004	0.1513	0.0400	6.8000e-004	0.0406		120.0877	120.0877	4.0300e-003	3.9300e-003	121.3596
Total	0.0600	0.0416	0.4571	1.1900e-003	0.1506	7.4000e-004	0.1513	0.0400	6.8000e-004	0.0406		120.0877	120.0877	4.0300e-003	3.9300e-003	121.3596

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.2 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9
Total	2.6595	27.5242	18.2443	0.0381	7.6662	1.2660	8.9323	3.9400	1.1647	5.1047	0.0000	3,687.308 1	3,687.308 1	1.1926		3,717.121 9

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	0.0600	0.0416	0.4571	1.1900e-003	0.1506	7.4000e-004	0.1513	0.0400	6.8000e-004	0.0406		120.0877	120.0877	4.0300e-003	3.9300e-003	121.3596
Total	0.0600	0.0416	0.4571	1.1900e-003	0.1506	7.4000e-004	0.1513	0.0400	6.8000e-004	0.0406		120.0877	120.0877	4.0300e-003	3.9300e-003	121.3596

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.3 Grading - 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					6.2939	0.0000	6.2939	3.3415	0.0000	3.3415			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129		2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	6.2939	0.7749	7.0688	3.3415	0.7129	4.0545		2,872.6910	2,872.6910	0.9291		2,895.9182

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	0.0635	3.0460	0.8683	0.0155	0.4983	0.0344	0.5327	0.1367	0.0330	0.1697		1,642.9396	1,642.9396	0.0110	0.2585	1,720.2388
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	0.0500	0.0347	0.3809	9.9000e-004	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		100.0731	100.0731	3.3600e-003	3.2800e-003	101.1330
Total	0.1135	3.0807	1.2492	0.0165	0.6238	0.0351	0.6588	0.1700	0.0335	0.2035		1,743.0127	1,743.0127	0.0144	0.2618	1,821.3719

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.3 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4546	0.0000	2.4546	1.3032	0.0000	1.3032			0.0000			0.0000
Off-Road	1.7109	17.9359	14.7507	0.0297		0.7749	0.7749		0.7129	0.7129	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182
Total	1.7109	17.9359	14.7507	0.0297	2.4546	0.7749	3.2296	1.3032	0.7129	2.0161	0.0000	2,872.6910	2,872.6910	0.9291		2,895.9182

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	0.0635	3.0460	0.8683	0.0155	0.4983	0.0344	0.5327	0.1367	0.0330	0.1697		1,642.9396	1,642.9396	0.0110	0.2585	1,720.2388
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	0.0500	0.0347	0.3809	9.9000e-004	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		100.0731	100.0731	3.3600e-003	3.2800e-003	101.1330
Total	0.1135	3.0807	1.2492	0.0165	0.6238	0.0351	0.6588	0.1700	0.0335	0.2035		1,743.0127	1,743.0127	0.0144	0.2618	1,821.3719

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0719	1.6634	0.9161	7.8100e-003	0.2663	0.0119	0.2782	0.0767	0.0114	0.0881		823.5014	823.5014	6.1500e-003	0.1157	858.1251
Worker	0.7169	0.4967	5.4596	0.0142	1.7988	8.8700e-003	1.8077	0.4771	8.1700e-003	0.4853		1,434.3804	1,434.3804	0.0481	0.0469	1,449.5735
Total	0.7888	2.1601	6.3757	0.0220	2.0651	0.0208	2.0859	0.5538	0.0196	0.5734		2,257.8818	2,257.8818	0.0543	0.1626	2,307.6986

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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	0.0719	1.6634	0.9161	7.8100e-003	0.2663	0.0119	0.2782	0.0767	0.0114	0.0881		823.5014	823.5014	6.1500e-003	0.1157	858.1251
Worker	0.7169	0.4967	5.4596	0.0142	1.7988	8.8700e-003	1.8077	0.4771	8.1700e-003	0.4853		1,434.3804	1,434.3804	0.0481	0.0469	1,449.5735
Total	0.7888	2.1601	6.3757	0.0220	2.0651	0.0208	2.0859	0.5538	0.0196	0.5734		2,257.8818	2,257.8818	0.0543	0.1626	2,307.6986

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0703	1.6685	0.9001	7.7100e-003	0.2662	0.0117	0.2780	0.0767	0.0112	0.0879		812.3891	812.3891	6.1100e-003	0.1137	846.4115
Worker	0.6695	0.4424	5.0969	0.0138	1.7988	8.5300e-003	1.8074	0.4771	7.8500e-003	0.4850		1,393.8222	1,393.8222	0.0439	0.0435	1,407.8940
Total	0.7398	2.1109	5.9970	0.0215	2.0651	0.0203	2.0854	0.5538	0.0191	0.5729		2,206.2114	2,206.2114	0.0500	0.1572	2,254.3055

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.4 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769	0.0000	2,555.6989	2,555.6989	0.6044		2,570.8077

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	0.0703	1.6685	0.9001	7.7100e-003	0.2662	0.0117	0.2780	0.0767	0.0112	0.0879		812.3891	812.3891	6.1100e-003	0.1137	846.4115
Worker	0.6695	0.4424	5.0969	0.0138	1.7988	8.5300e-003	1.8074	0.4771	7.8500e-003	0.4850		1,393.8222	1,393.8222	0.0439	0.0435	1,407.8940
Total	0.7398	2.1109	5.9970	0.0215	2.0651	0.0203	2.0854	0.5538	0.0191	0.5729		2,206.2114	2,206.2114	0.0500	0.1572	2,254.3055

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0691	1.6514	0.8850	7.5700e-003	0.2662	0.0117	0.2779	0.0767	0.0112	0.0879		797.7658	797.7658	6.0900e-003	0.1110	831.0065
Worker	0.6252	0.3954	4.7248	0.0133	1.7988	8.0600e-003	1.8069	0.4771	7.4200e-003	0.4846		1,346.253 6	1,346.253 6	0.0397	0.0405	1,359.309 6
Total	0.6943	2.0468	5.6098	0.0209	2.0651	0.0197	2.0848	0.5538	0.0186	0.5724		2,144.019 3	2,144.019 3	0.0458	0.1515	2,190.316 2

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.4 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

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	0.0691	1.6514	0.8850	7.5700e-003	0.2662	0.0117	0.2779	0.0767	0.0112	0.0879		797.7658	797.7658	6.0900e-003	0.1110	831.0065
Worker	0.6252	0.3954	4.7248	0.0133	1.7988	8.0600e-003	1.8069	0.4771	7.4200e-003	0.4846		1,346.253 6	1,346.253 6	0.0397	0.0405	1,359.309 6
Total	0.6943	2.0468	5.6098	0.0209	2.0651	0.0197	2.0848	0.5538	0.0186	0.5724		2,144.019 3	2,144.019 3	0.0458	0.1515	2,190.316 2

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.5 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	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0520	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

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	0.0500	0.0347	0.3809	9.9000e-004	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		100.0731	100.0731	3.3600e-003	3.2800e-003	101.1330
Total	0.0500	0.0347	0.3809	9.9000e-004	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		100.0731	100.0731	3.3600e-003	3.2800e-003	101.1330

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.5 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	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0520	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0500	0.0347	0.3809	9.9000e-004	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		100.0731	100.0731	3.3600e-003	3.2800e-003	101.1330
Total	0.0500	0.0347	0.3809	9.9000e-004	0.1255	6.2000e-004	0.1261	0.0333	5.7000e-004	0.0339		100.0731	100.0731	3.3600e-003	3.2800e-003	101.1330

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.5 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	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0074	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

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	0.0467	0.0309	0.3556	9.6000e-004	0.1255	5.9000e-004	0.1261	0.0333	5.5000e-004	0.0338		97.2434	97.2434	3.0600e-003	3.0400e-003	98.2252
Total	0.0467	0.0309	0.3556	9.6000e-004	0.1255	5.9000e-004	0.1261	0.0333	5.5000e-004	0.0338		97.2434	97.2434	3.0600e-003	3.0400e-003	98.2252

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.5 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	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0074	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

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	0.0467	0.0309	0.3556	9.6000e-004	0.1255	5.9000e-004	0.1261	0.0333	5.5000e-004	0.0338		97.2434	97.2434	3.0600e-003	3.0400e-003	98.2252
Total	0.0467	0.0309	0.3556	9.6000e-004	0.1255	5.9000e-004	0.1261	0.0333	5.5000e-004	0.0338		97.2434	97.2434	3.0600e-003	3.0400e-003	98.2252

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.5 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878
Paving	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9344	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850		2,206.7452	2,206.7452	0.7137		2,224.5878

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	0.0436	0.0276	0.3296	9.3000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.2000e-004	0.0338		93.9247	93.9247	2.7700e-003	2.8200e-003	94.8356
Total	0.0436	0.0276	0.3296	9.3000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.2000e-004	0.0338		93.9247	93.9247	2.7700e-003	2.8200e-003	94.8356

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.5 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9152	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8
Paving	0.0193					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9344	8.5816	14.5780	0.0228		0.4185	0.4185		0.3850	0.3850	0.0000	2,206.745 2	2,206.745 2	0.7137		2,224.587 8

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	0.0436	0.0276	0.3296	9.3000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.2000e-004	0.0338		93.9247	93.9247	2.7700e-003	2.8200e-003	94.8356
Total	0.0436	0.0276	0.3296	9.3000e-004	0.1255	5.6000e-004	0.1261	0.0333	5.2000e-004	0.0338		93.9247	93.9247	2.7700e-003	2.8200e-003	94.8356

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.6 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	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	4.2880	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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	0.1434	0.0994	1.0919	2.8400e-003	0.3598	1.7700e-003	0.3615	0.0954	1.6300e-003	0.0971		286.8761	286.8761	9.6300e-003	9.3900e-003	289.9147
Total	0.1434	0.0994	1.0919	2.8400e-003	0.3598	1.7700e-003	0.3615	0.0954	1.6300e-003	0.0971		286.8761	286.8761	9.6300e-003	9.3900e-003	289.9147

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.6 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	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	4.2880	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

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	0.1434	0.0994	1.0919	2.8400e-003	0.3598	1.7700e-003	0.3615	0.0954	1.6300e-003	0.0971		286.8761	286.8761	9.6300e-003	9.3900e-003	289.9147
Total	0.1434	0.0994	1.0919	2.8400e-003	0.3598	1.7700e-003	0.3615	0.0954	1.6300e-003	0.0971		286.8761	286.8761	9.6300e-003	9.3900e-003	289.9147

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	4.2771	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

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	0.1339	0.0885	1.0194	2.7600e-003	0.3598	1.7100e-003	0.3615	0.0954	1.5700e-003	0.0970		278.7644	278.7644	8.7700e-003	8.7100e-003	281.5788
Total	0.1339	0.0885	1.0194	2.7600e-003	0.3598	1.7100e-003	0.3615	0.0954	1.5700e-003	0.0970		278.7644	278.7644	8.7700e-003	8.7100e-003	281.5788

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	4.2771	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443

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	0.1339	0.0885	1.0194	2.7600e-003	0.3598	1.7100e-003	0.3615	0.0954	1.5700e-003	0.0970		278.7644	278.7644	8.7700e-003	8.7100e-003	281.5788
Total	0.1339	0.0885	1.0194	2.7600e-003	0.3598	1.7100e-003	0.3615	0.0954	1.5700e-003	0.0970		278.7644	278.7644	8.7700e-003	8.7100e-003	281.5788

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	4.2672	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

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	0.1251	0.0791	0.9450	2.6600e-003	0.3598	1.6100e-003	0.3614	0.0954	1.4800e-003	0.0969		269.2507	269.2507	7.9300e-003	8.1000e-003	271.8619
Total	0.1251	0.0791	0.9450	2.6600e-003	0.3598	1.6100e-003	0.3614	0.0954	1.4800e-003	0.0969		269.2507	269.2507	7.9300e-003	8.1000e-003	271.8619

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	4.0964					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	4.2672	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

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	0.1251	0.0791	0.9450	2.6600e-003	0.3598	1.6100e-003	0.3614	0.0954	1.4800e-003	0.0969		269.2507	269.2507	7.9300e-003	8.1000e-003	271.8619
Total	0.1251	0.0791	0.9450	2.6600e-003	0.3598	1.6100e-003	0.3614	0.0954	1.4800e-003	0.0969		269.2507	269.2507	7.9300e-003	8.1000e-003	271.8619

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9942	8.1806	50.0470	0.0840	9.2031	0.0740	9.2771	2.4539	0.0691	2.5230		8,567.3863	8,567.3863	0.7625	0.6091	8,767.9568
Unmitigated	6.9942	8.1806	50.0470	0.0840	9.2031	0.0740	9.2771	2.4539	0.0691	2.5230		8,567.3863	8,567.3863	0.7625	0.6091	8,767.9568

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,213.20	819.00	694.80	2,422,202	2,422,202
Convenience Market with Gas Pumps	975.25	975.25	975.25	330,203	330,203
Fast Food Restaurant with Drive Thru	1,682.93	2,218.03	1701.29	1,044,869	1,044,869
Parking Lot	0.00	0.00	0.00		
Total	3,871.38	4,012.28	3,371.34	3,797,273	3,797,273

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
Apartments Low Rise	11.00	3.50	4.50	40.20	19.20	40.60	86	11	3
Convenience Market with Gas	12.50	4.20	5.40	0.80	80.20	19.00	14	21	65
Fast Food Restaurant with Drive	12.50	4.20	5.40	2.20	78.80	19.00	29	21	50

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

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	12.50	4.20	5.40	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744
Convenience Market with Gas Pumps	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744
Fast Food Restaurant with Drive Thru	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744
Parking Lot	0.521149	0.060827	0.186869	0.141196	0.024212	0.006845	0.010847	0.020107	0.000897	0.000227	0.022191	0.000889	0.003744

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	0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0230	0.0220	1,204.4009
NaturalGas Unmitigated	0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0230	0.0220	1,204.4009

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

5.2 Energy by Land Use - NaturalGas

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					
Apartments Low Rise	7459.35	0.0804	0.6874	0.2925	4.3900e-003		0.0556	0.0556		0.0556	0.0556		877.5709	877.5709	0.0168	0.0161	882.7859
Convenience Market with Gas Pumps	28.3288	3.1000e-004	2.7800e-003	2.3300e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3328	3.3328	6.0000e-005	6.0000e-005	3.3526
Fast Food Restaurant with Drive Thru	2689.25	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.3823	316.3823	6.0600e-003	5.8000e-003	318.2624
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
Total		0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0229	0.0220	1,204.4009

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	7.45935	0.0804	0.6874	0.2925	4.3900e-003		0.0556	0.0556		0.0556	0.0556		877.5709	877.5709	0.0168	0.0161	882.7859
Convenience Market with Gas Pumps	0.0283288	3.1000e-004	2.7800e-003	2.3300e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3328	3.3328	6.0000e-005	6.0000e-005	3.3526
Fast Food Restaurant with Drive Thru	2.68925	0.0290	0.2637	0.2215	1.5800e-003		0.0200	0.0200		0.0200	0.0200		316.3823	316.3823	6.0600e-003	5.8000e-003	318.2624
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
Total		0.1098	0.9539	0.5163	5.9900e-003		0.0758	0.0758		0.0758	0.0758		1,197.2860	1,197.2860	0.0229	0.0220	1,204.4009

6.0 Area Detail

6.1 Mitigation Measures Area

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955
Unmitigated	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955

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	0.6711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.0989					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	0.4501	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825		26.8483	26.8483	0.0259		27.4955
Total	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6711					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.0989					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	0.4501	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825		26.8483	26.8483	0.0259		27.4955
Total	5.2201	0.1714	14.8868	7.9000e-004		0.0825	0.0825		0.0825	0.0825	0.0000	26.8483	26.8483	0.0259	0.0000	27.4955

7.0 Water Detail

7.1 Mitigation Measures Water

Dune Palms Mixed-Use Development - Salton Sea Air Basin, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation
