

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

Artesia Mixed-Use Overlay SEIR revised

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	62.40	1000sqft	1.43	62,400.00	0
Medical Office Building	104.00	1000sqft	2.39	104,000.00	0
Enclosed Parking with Elevator	41.60	1000sqft	0.96	41,600.00	0
Quality Restaurant	124.81	1000sqft	2.87	124,810.00	0
Condo/Townhouse High Rise	338.00	Dwelling Unit	5.28	338,000.00	967
Strip Mall	124.81	1000sqft	2.87	124,810.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	9			Operational Year	2030
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational yr 2030 is GP buildout yr.

Land Use - Land use assumptions in EIR.

Construction Phase - Assume no demo - all construction on vacant parcels.
All phases estimated for buildout over 9 years.

Grading - Assumptions set forth in EIR.

Architectural Coating - CalEEMod defaults used.

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Vehicle Trips - Trip generation rates are from ITE Trip Generation Manual, 10th edition.

Woodstoves - Assume no fireplaces or woodstoves.

Sequestration - Assume 500 new trees.

Construction Off-road Equipment Mitigation - Tier 4 or better engines to be required

Mobile Land Use Mitigation - Metro light rail station at Pioneer/188th St. assumed by 2030.

100 Jobs/Job acre from Gateway Cities COG, Comp. Econ. Dev.

Strategy (CEDs) for the Gateway Cities Region (11/17/15)

Area Mitigation -

Energy Mitigation - Mitigation measure to include 10% exceedance of Tit. 24 requirements throughout MUO for new construction.

kW required by Cal Green Tit. 24 = 807 kW.

Water Mitigation - Water-efficient plumbing and irrigation required by Tit. 24, local water-conservation requirements.

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	312.00
tblConstructionPhase	NumDays	300.00	1,252.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	30.00	311.00
tblConstructionPhase	NumDays	20.00	1,565.00
tblConstructionPhase	NumDays	10.00	312.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	1/18/2023	12/30/2028
tblConstructionPhase	PhaseEndDate	11/23/2022	12/31/2027
tblConstructionPhase	PhaseEndDate	8/4/2021	1/2/2022
tblConstructionPhase	PhaseEndDate	9/29/2021	12/30/2023
tblConstructionPhase	PhaseEndDate	12/21/2022	12/31/2027

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tblConstructionPhase	PhaseEndDate	8/18/2021	12/31/2022
tblConstructionPhase	PhaseStartDate	12/22/2022	1/3/2028
tblConstructionPhase	PhaseStartDate	9/30/2021	1/2/2024
tblConstructionPhase	PhaseStartDate	7/8/2021	1/3/2022
tblConstructionPhase	PhaseStartDate	8/19/2021	1/3/2023
tblConstructionPhase	PhaseStartDate	11/24/2022	1/2/2023
tblConstructionPhase	PhaseStartDate	8/5/2021	1/3/2022
tblFireplaces	NumberGas	287.30	0.00
tblFireplaces	NumberNoFireplace	33.80	338.00
tblFireplaces	NumberWood	16.90	0.00
tblGrading	AcresOfGrading	933.00	8.00
tblGrading	AcresOfGrading	468.00	15.00
tblGrading	MaterialExported	0.00	9,250.00
tblSequestration	NumberOfNewTrees	0.00	500.00
tblWoodstoves	NumberCatalytic	16.90	0.00
tblWoodstoves	NumberNoncatalytic	16.90	0.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.5039	5.1686	3.1722	6.2100e-003	2.8571	0.2518	3.1089	1.5582	0.2316	1.7898	0.0000	546.5624	546.5624	0.1694	6.7000e-004	550.9975
2023	0.6955	7.0295	6.8305	0.0140	1.0083	0.3018	1.3102	0.5332	0.2777	0.8109	0.0000	1,233.5743	1,233.5743	0.3781	5.3900e-003	1,244.6347
2024	0.5944	4.4100	7.0701	0.0169	0.8325	0.1771	1.0095	0.2236	0.1650	0.3886	0.0000	1,532.0470	1,532.0470	0.2121	0.0580	1,554.6241
2025	0.5538	4.0879	6.9029	0.0166	0.8324	0.1554	0.9878	0.2236	0.1448	0.3684	0.0000	1,506.8113	1,506.8113	0.2101	0.0563	1,528.8521
2026	0.5431	4.0716	6.7871	0.0164	0.8324	0.1552	0.9876	0.2236	0.1446	0.3682	0.0000	1,485.0015	1,485.0015	0.2090	0.0549	1,506.5746
2027	0.5333	4.0569	6.6886	0.0162	0.8324	0.1550	0.9874	0.2236	0.1444	0.3680	0.0000	1,464.7655	1,464.7655	0.2080	0.0535	1,485.8998
2028	3.0471	0.1973	0.5843	1.4800e-003	0.1386	8.6400e-003	0.1473	0.0368	8.5900e-003	0.0454	0.0000	133.2206	133.2206	3.9200e-003	2.0800e-003	133.9373
Maximum	3.0471	7.0295	7.0701	0.0169	2.8571	0.3018	3.1089	1.5582	0.2777	1.7898	0.0000	1,532.0470	1,532.0470	0.3781	0.0580	1,554.6241

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Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0820	0.3223	3.3549	6.2100e-003	1.3026	9.8700e-003	1.3125	0.7057	9.8600e-003	0.7156	0.0000	546.5617	546.5617	0.1694	6.7000e-004	550.9969
2023	0.1800	0.7751	8.0229	0.0140	0.4910	0.0224	0.5133	0.2499	0.0223	0.2722	0.0000	1,233.5729	1,233.5729	0.3781	5.3900e-003	1,244.6333
2024	0.3043	1.3512	7.6917	0.0169	0.8325	0.0198	0.8522	0.2236	0.0193	0.2429	0.0000	1,532.0462	1,532.0462	0.2121	0.0580	1,554.6233
2025	0.2918	1.3333	7.5435	0.0166	0.8324	0.0196	0.8520	0.2236	0.0191	0.2427	0.0000	1,506.8105	1,506.8105	0.2101	0.0563	1,528.8513
2026	0.2811	1.3170	7.4277	0.0164	0.8324	0.0194	0.8518	0.2236	0.0189	0.2425	0.0000	1,485.0007	1,485.0007	0.2090	0.0549	1,506.5738
2027	0.2713	1.3023	7.3291	0.0162	0.8324	0.0191	0.8515	0.2236	0.0187	0.2423	0.0000	1,464.7647	1,464.7647	0.2080	0.0535	1,485.8990
2028	3.0251	0.0386	0.5879	1.4800e-003	0.1386	1.2200e-003	0.1399	0.0368	1.1700e-003	0.0380	0.0000	133.2205	133.2205	3.9200e-003	2.0800e-003	133.9372
Maximum	3.0251	1.3512	8.0229	0.0169	1.3026	0.0224	1.3125	0.7057	0.0223	0.7156	0.0000	1,532.0462	1,532.0462	0.3781	0.0580	1,554.6233

	ROG	NOx	CO	SO2	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	31.46	77.81	-10.31	0.00	28.25	90.76	37.07	37.58	90.20	51.78	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)
2	10-8-2021	1-7-2022	0.0779	0.0056
3	1-8-2022	4-7-2022	1.4027	0.1001
4	4-8-2022	7-7-2022	1.4180	0.1009
5	7-8-2022	10-7-2022	1.4336	0.1021

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6	10-8-2022	1-7-2023	1.4360	0.1084
7	1-8-2023	4-7-2023	1.9148	0.2368
8	4-8-2023	7-7-2023	1.9350	0.2383
9	7-8-2023	10-7-2023	1.9564	0.2410
10	10-8-2023	1-7-2024	1.8790	0.2498
11	1-8-2024	4-7-2024	1.2476	0.4142
12	4-8-2024	7-7-2024	1.2350	0.4016
13	7-8-2024	10-7-2024	1.2496	0.4071
14	10-8-2024	1-7-2025	1.2555	0.4192
15	1-8-2025	4-7-2025	1.1458	0.4023
16	4-8-2025	7-7-2025	1.1463	0.3945
17	7-8-2025	10-7-2025	1.1599	0.3999
18	10-8-2025	1-7-2026	1.1718	0.4117
19	1-8-2026	4-7-2026	1.1391	0.3956
20	4-8-2026	7-7-2026	1.1398	0.3881
21	7-8-2026	10-7-2026	1.1534	0.3934
22	10-8-2026	1-7-2027	1.1650	0.4049
23	1-8-2027	4-7-2027	1.1331	0.3896
24	4-8-2027	7-7-2027	1.1340	0.3823
25	7-8-2027	10-7-2027	1.1475	0.3875
26	10-8-2027	1-7-2028	1.1156	0.4110
27	1-8-2028	4-7-2028	0.8116	0.7664
28	4-8-2028	7-7-2028	0.8107	0.7655
29	7-8-2028	9-30-2028	0.7572	0.7150
		Highest	1.9564	0.7664

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1310	0.0401	3.4823	1.8000e-004		0.0194	0.0194		0.0194	0.0194	0.0000	5.7052	5.7052	5.4500e-003	0.0000	5.8415
Energy	0.1892	1.7068	1.3493	0.0103		0.1307	0.1307		0.1307	0.1307	0.0000	3,774.5394	3,774.5394	0.1965	0.0538	3,795.4787
Mobile	6.5822	6.3199	57.7906	0.1187	14.6585	0.0801	14.7386	3.9122	0.0746	3.9868	0.0000	10,986.2516	10,986.2516	0.8246	0.5427	11,168.5793
Waste						0.0000	0.0000		0.0000	0.0000	321.0607	0.0000	321.0607	18.9741	0.0000	795.4142
Water						0.0000	0.0000		0.0000	0.0000	29.5971	277.0049	306.6020	3.0633	0.0746	405.4189
Total	9.9024	8.0668	62.6223	0.1292	14.6585	0.2302	14.8887	3.9122	0.2246	4.1368	350.6578	15,043.5009	15,394.1587	23.0639	0.6711	16,170.7326

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	3.1310	0.0401	3.4823	1.8000e-004		0.0194	0.0194		0.0194	0.0194	0.0000	5.7052	5.7052	5.4500e-003	0.0000	5.8415
Energy	0.1841	1.6615	1.3157	0.0100		0.1272	0.1272		0.1272	0.1272	0.0000	3,685.4522	3,685.4522	0.1922	0.0525	3,705.8928
Mobile	4.6574	3.4847	30.7682	0.0451	5.2217	0.0355	5.2572	1.3936	0.0330	1.4266	0.0000	4,176.7740	4,176.7740	0.4683	0.2929	4,275.7567
Waste						0.0000	0.0000		0.0000	0.0000	321.0607	0.0000	321.0607	18.9741	0.0000	795.4142
Water						0.0000	0.0000		0.0000	0.0000	23.6777	230.1627	253.8404	2.4514	0.0598	332.9381
Total	7.9725	5.1864	35.5661	0.0553	5.2217	0.1821	5.4037	1.3936	0.1795	1.5732	344.7384	8,098.0941	8,442.8325	22.0915	0.4051	9,115.8433

	ROG	NOx	CO	SO2	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	19.49	35.71	43.21	57.16	64.38	20.90	63.71	64.38	20.06	61.97	1.69	46.17	45.16	4.22	39.63	43.63

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	354.0000
Total	354.0000

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/2/2022	5	0	
2	Site Preparation	Site Preparation	1/3/2022	12/31/2022	6	312	
3	Grading	Grading	1/3/2023	12/30/2023	6	311	
4	Building Construction	Building Construction	1/2/2024	12/31/2027	6	1252	
5	Paving	Paving	1/2/2023	12/31/2027	6	1565	
6	Architectural Coating	Architectural Coating	1/3/2028	12/30/2028	6	312	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 8

Acres of Paving: 0.96

Residential Indoor: 684,450; Residential Outdoor: 228,150; Non-Residential Indoor: 624,030; Non-Residential Outdoor: 208,010; Striped Parking Area: 2,496 (Architectural Coating – sqft)

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OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
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
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	915.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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3.2 Demolition - 2022

Mitigated Construction Off-Site

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

3.3 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8263	0.0000	2.8263	1.5501	0.0000	1.5501	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4945	5.1610	3.0729	5.9300e-003		0.2516	0.2516		0.2314	0.2314	0.0000	521.6545	521.6545	0.1687	0.0000	525.8723
Total	0.4945	5.1610	3.0729	5.9300e-003	2.8263	0.2516	3.0779	1.5501	0.2314	1.7815	0.0000	521.6545	521.6545	0.1687	0.0000	525.8723

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3.3 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3900e-003	7.6000e-003	0.0994	2.7000e-004	0.0308	1.9000e-004	0.0310	8.1800e-003	1.7000e-004	8.3500e-003	0.0000	24.9079	24.9079	6.9000e-004	6.7000e-004	25.1252
Total	9.3900e-003	7.6000e-003	0.0994	2.7000e-004	0.0308	1.9000e-004	0.0310	8.1800e-003	1.7000e-004	8.3500e-003	0.0000	24.9079	24.9079	6.9000e-004	6.7000e-004	25.1252

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					1.2718	0.0000	1.2718	0.6975	0.0000	0.6975	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0726	0.3147	3.2556	5.9300e-003		9.6800e-003	9.6800e-003		9.6800e-003	9.6800e-003	0.0000	521.6539	521.6539	0.1687	0.0000	525.8717
Total	0.0726	0.3147	3.2556	5.9300e-003	1.2718	9.6800e-003	1.2815	0.6975	9.6800e-003	0.7072	0.0000	521.6539	521.6539	0.1687	0.0000	525.8717

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.3900e-003	7.6000e-003	0.0994	2.7000e-004	0.0308	1.9000e-004	0.0310	8.1800e-003	1.7000e-004	8.3500e-003	0.0000	24.9079	24.9079	6.9000e-004	6.7000e-004	25.1252
Total	9.3900e-003	7.6000e-003	0.0994	2.7000e-004	0.0308	1.9000e-004	0.0310	8.1800e-003	1.7000e-004	8.3500e-003	0.0000	24.9079	24.9079	6.9000e-004	6.7000e-004	25.1252

3.4 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					0.9407	0.0000	0.9407	0.5152	0.0000	0.5152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.5165	5.3672	4.3620	9.6500e-003		0.2215	0.2215		0.2038	0.2038	0.0000	848.0225	848.0225	0.2743	0.0000	854.8792
Total	0.5165	5.3672	4.3620	9.6500e-003	0.9407	0.2215	1.1622	0.5152	0.2038	0.7190	0.0000	848.0225	848.0225	0.2743	0.0000	854.8792

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.4 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	9.4000e-004	0.0594	0.0158	2.6000e-004	7.8700e-003	4.0000e-004	8.2700e-003	2.1600e-003	3.8000e-004	2.5400e-003	0.0000	26.3427	26.3427	1.6100e-003	4.1900e-003	27.6317
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6600e-003	7.4400e-003	0.1014	2.9000e-004	0.0341	2.0000e-004	0.0343	9.0600e-003	1.8000e-004	9.2400e-003	0.0000	26.7003	26.7003	6.9000e-004	6.9000e-004	26.9221
Total	0.0106	0.0668	0.1172	5.5000e-004	0.0420	6.0000e-004	0.0426	0.0112	5.6000e-004	0.0118	0.0000	53.0430	53.0430	2.3000e-003	4.8800e-003	54.5538

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					0.4233	0.0000	0.4233	0.2318	0.0000	0.2318	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1184	0.5132	5.1314	9.6500e-003		0.0158	0.0158		0.0158	0.0158	0.0000	848.0215	848.0215	0.2743	0.0000	854.8782
Total	0.1184	0.5132	5.1314	9.6500e-003	0.4233	0.0158	0.4391	0.2318	0.0158	0.2476	0.0000	848.0215	848.0215	0.2743	0.0000	854.8782

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.4 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	9.4000e-004	0.0594	0.0158	2.6000e-004	7.8700e-003	4.0000e-004	8.2700e-003	2.1600e-003	3.8000e-004	2.5400e-003	0.0000	26.3427	26.3427	1.6100e-003	4.1900e-003	27.6317
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.6600e-003	7.4400e-003	0.1014	2.9000e-004	0.0341	2.0000e-004	0.0343	9.0600e-003	1.8000e-004	9.2400e-003	0.0000	26.7003	26.7003	6.9000e-004	6.9000e-004	26.9221
Total	0.0106	0.0668	0.1172	5.5000e-004	0.0420	6.0000e-004	0.0426	0.0112	5.6000e-004	0.0118	0.0000	53.0430	53.0430	2.3000e-003	4.8800e-003	54.5538

3.5 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	0.2303	2.1040	2.5301	4.2200e-003		0.0960	0.0960		0.0903	0.0903	0.0000	362.8439	362.8439	0.0858	0.0000	364.9889
Total	0.2303	2.1040	2.5301	4.2200e-003		0.0960	0.0960		0.0903	0.0903	0.0000	362.8439	362.8439	0.0858	0.0000	364.9889

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.5 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	0.0178	0.6699	0.2436	3.1200e-003	0.1095	3.5400e-003	0.1131	0.0316	3.3900e-003	0.0350	0.0000	305.6034	305.6034	0.0115	0.0444	319.1297
Worker	0.1844	0.1357	1.9287	5.7800e-003	0.6971	3.8300e-003	0.7009	0.1851	3.5200e-003	0.1887	0.0000	529.5559	529.5559	0.0127	0.0131	533.7634
Total	0.2022	0.8057	2.1723	8.9000e-003	0.8066	7.3700e-003	0.8140	0.2167	6.9100e-003	0.2237	0.0000	835.1593	835.1593	0.0242	0.0575	852.8931

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	0.0513	0.3497	2.7325	4.2200e-003		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	362.8434	362.8434	0.0858	0.0000	364.9885
Total	0.0513	0.3497	2.7325	4.2200e-003		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	362.8434	362.8434	0.0858	0.0000	364.9885

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.5 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	0.0178	0.6699	0.2436	3.1200e-003	0.1095	3.5400e-003	0.1131	0.0316	3.3900e-003	0.0350	0.0000	305.6034	305.6034	0.0115	0.0444	319.1297
Worker	0.1844	0.1357	1.9287	5.7800e-003	0.6971	3.8300e-003	0.7009	0.1851	3.5200e-003	0.1887	0.0000	529.5559	529.5559	0.0127	0.0131	533.7634
Total	0.2022	0.8057	2.1723	8.9000e-003	0.8066	7.3700e-003	0.8140	0.2167	6.9100e-003	0.2237	0.0000	835.1593	835.1593	0.0242	0.0575	852.8931

3.5 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	0.2140	1.9515	2.5173	4.2200e-003		0.0826	0.0826		0.0777	0.0777	0.0000	362.9539	362.9539	0.0853	0.0000	365.0869
Total	0.2140	1.9515	2.5173	4.2200e-003		0.0826	0.0826		0.0777	0.0777	0.0000	362.9539	362.9539	0.0853	0.0000	365.0869

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.5 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	0.0174	0.6669	0.2400	3.0600e-003	0.1095	3.5600e-003	0.1131	0.0316	3.4000e-003	0.0350	0.0000	300.1174	300.1174	0.0115	0.0437	313.4239
Worker	0.1728	0.1220	1.7978	5.5800e-003	0.6971	3.6400e-003	0.7008	0.1851	3.3500e-003	0.1885	0.0000	511.5393	511.5393	0.0115	0.0122	515.4626
Total	0.1902	0.7889	2.0378	8.6400e-003	0.8066	7.2000e-003	0.8138	0.2167	6.7500e-003	0.2235	0.0000	811.6567	811.6567	0.0230	0.0559	828.8865

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	0.0513	0.3497	2.7325	4.2200e-003		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	362.9535	362.9535	0.0853	0.0000	365.0865
Total	0.0513	0.3497	2.7325	4.2200e-003		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	362.9535	362.9535	0.0853	0.0000	365.0865

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.5 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	0.0174	0.6669	0.2400	3.0600e-003	0.1095	3.5600e-003	0.1131	0.0316	3.4000e-003	0.0350	0.0000	300.1174	300.1174	0.0115	0.0437	313.4239
Worker	0.1728	0.1220	1.7978	5.5800e-003	0.6971	3.6400e-003	0.7008	0.1851	3.3500e-003	0.1885	0.0000	511.5393	511.5393	0.0115	0.0122	515.4626
Total	0.1902	0.7889	2.0378	8.6400e-003	0.8066	7.2000e-003	0.8138	0.2167	6.7500e-003	0.2235	0.0000	811.6567	811.6567	0.0230	0.0559	828.8865

3.5 Building Construction - 2026

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	0.2140	1.9515	2.5173	4.2200e-003		0.0826	0.0826		0.0777	0.0777	0.0000	362.9539	362.9539	0.0853	0.0000	365.0869
Total	0.2140	1.9515	2.5173	4.2200e-003		0.0826	0.0826		0.0777	0.0777	0.0000	362.9539	362.9539	0.0853	0.0000	365.0869

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.5 Building Construction - 2026

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	0.0170	0.6622	0.2372	3.0000e-003	0.1095	3.5500e-003	0.1131	0.0316	3.4000e-003	0.0350	0.0000	294.5680	294.5680	0.0115	0.0429	307.6487
Worker	0.1629	0.1107	1.6889	5.4100e-003	0.6971	3.4500e-003	0.7006	0.1851	3.1800e-003	0.1883	0.0000	495.8583	495.8583	0.0105	0.0115	499.5483
Total	0.1798	0.7729	1.9260	8.4100e-003	0.8066	7.0000e-003	0.8136	0.2167	6.5800e-003	0.2233	0.0000	790.4263	790.4263	0.0220	0.0544	807.1969

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	0.0513	0.3497	2.7325	4.2200e-003		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	362.9535	362.9535	0.0853	0.0000	365.0865
Total	0.0513	0.3497	2.7325	4.2200e-003		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	362.9535	362.9535	0.0853	0.0000	365.0865

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.5 Building Construction - 2026

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	0.0170	0.6622	0.2372	3.0000e-003	0.1095	3.5500e-003	0.1131	0.0316	3.4000e-003	0.0350	0.0000	294.5680	294.5680	0.0115	0.0429	307.6487
Worker	0.1629	0.1107	1.6889	5.4100e-003	0.6971	3.4500e-003	0.7006	0.1851	3.1800e-003	0.1883	0.0000	495.8583	495.8583	0.0105	0.0115	499.5483
Total	0.1798	0.7729	1.9260	8.4100e-003	0.8066	7.0000e-003	0.8136	0.2167	6.5800e-003	0.2233	0.0000	790.4263	790.4263	0.0220	0.0544	807.1969

3.5 Building Construction - 2027

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	0.2140	1.9515	2.5173	4.2200e-003		0.0826	0.0826		0.0777	0.0777	0.0000	362.9539	362.9539	0.0853	0.0000	365.0869
Total	0.2140	1.9515	2.5173	4.2200e-003		0.0826	0.0826		0.0777	0.0777	0.0000	362.9539	362.9539	0.0853	0.0000	365.0869

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.5 Building Construction - 2027

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	0.0167	0.6574	0.2348	2.9400e-003	0.1095	3.5400e-003	0.1131	0.0316	3.3800e-003	0.0350	0.0000	288.7781	288.7781	0.0115	0.0421	301.6227
Worker	0.1538	0.1012	1.5961	5.2600e-003	0.6971	3.2400e-003	0.7004	0.1851	2.9800e-003	0.1881	0.0000	481.9270	481.9270	9.5600e-003	0.0109	485.4214
Total	0.1704	0.7586	1.8309	8.2000e-003	0.8066	6.7800e-003	0.8134	0.2167	6.3600e-003	0.2231	0.0000	770.7050	770.7050	0.0210	0.0531	787.0441

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	0.0513	0.3497	2.7325	4.2200e-003		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	362.9535	362.9535	0.0853	0.0000	365.0865
Total	0.0513	0.3497	2.7325	4.2200e-003		6.3800e-003	6.3800e-003		6.3800e-003	6.3800e-003	0.0000	362.9535	362.9535	0.0853	0.0000	365.0865

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.5 Building Construction - 2027

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	0.0167	0.6574	0.2348	2.9400e-003	0.1095	3.5400e-003	0.1131	0.0316	3.3800e-003	0.0350	0.0000	288.7781	288.7781	0.0115	0.0421	301.6227
Worker	0.1538	0.1012	1.5961	5.2600e-003	0.6971	3.2400e-003	0.7004	0.1851	2.9800e-003	0.1881	0.0000	481.9270	481.9270	9.5600e-003	0.0109	485.4214
Total	0.1704	0.7586	1.8309	8.2000e-003	0.8066	6.7800e-003	0.8134	0.2167	6.3600e-003	0.2231	0.0000	770.7050	770.7050	0.0210	0.0531	787.0441

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1611	1.5899	2.2751	3.5600e-003		0.0796	0.0796		0.0732	0.0732	0.0000	312.4191	312.4191	0.1010	0.0000	314.9452
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1611	1.5899	2.2751	3.5600e-003		0.0796	0.0796		0.0732	0.0732	0.0000	312.4191	312.4191	0.1010	0.0000	314.9452

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2700e-003	5.6000e-003	0.0763	2.2000e-004	0.0257	1.5000e-004	0.0258	6.8200e-003	1.4000e-004	6.9500e-003	0.0000	20.0896	20.0896	5.2000e-004	5.2000e-004	20.2565
Total	7.2700e-003	5.6000e-003	0.0763	2.2000e-004	0.0257	1.5000e-004	0.0258	6.8200e-003	1.4000e-004	6.9500e-003	0.0000	20.0896	20.0896	5.2000e-004	5.2000e-004	20.2565

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	0.0438	0.1896	2.6981	3.5600e-003		5.8300e-003	5.8300e-003		5.8300e-003	5.8300e-003	0.0000	312.4188	312.4188	0.1010	0.0000	314.9448
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0438	0.1896	2.6981	3.5600e-003		5.8300e-003	5.8300e-003		5.8300e-003	5.8300e-003	0.0000	312.4188	312.4188	0.1010	0.0000	314.9448

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.2700e-003	5.6000e-003	0.0763	2.2000e-004	0.0257	1.5000e-004	0.0258	6.8200e-003	1.4000e-004	6.9500e-003	0.0000	20.0896	20.0896	5.2000e-004	5.2000e-004	20.2565
Total	7.2700e-003	5.6000e-003	0.0763	2.2000e-004	0.0257	1.5000e-004	0.0258	6.8200e-003	1.4000e-004	6.9500e-003	0.0000	20.0896	20.0896	5.2000e-004	5.2000e-004	20.2565

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1551	1.4954	2.2962	3.5800e-003		0.0736	0.0736		0.0677	0.0677	0.0000	314.4165	314.4165	0.1017	0.0000	316.9588
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1551	1.4954	2.2962	3.5800e-003		0.0736	0.0736		0.0677	0.0677	0.0000	314.4165	314.4165	0.1017	0.0000	316.9588

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.6 Paving - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8300e-003	5.0300e-003	0.0715	2.1000e-004	0.0258	1.4000e-004	0.0260	6.8600e-003	1.3000e-004	6.9900e-003	0.0000	19.6274	19.6274	4.7000e-004	4.8000e-004	19.7833
Total	6.8300e-003	5.0300e-003	0.0715	2.1000e-004	0.0258	1.4000e-004	0.0260	6.8600e-003	1.3000e-004	6.9900e-003	0.0000	19.6274	19.6274	4.7000e-004	4.8000e-004	19.7833

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	0.0440	0.1908	2.7154	3.5800e-003		5.8700e-003	5.8700e-003		5.8700e-003	5.8700e-003	0.0000	314.4162	314.4162	0.1017	0.0000	316.9584
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0440	0.1908	2.7154	3.5800e-003		5.8700e-003	5.8700e-003		5.8700e-003	5.8700e-003	0.0000	314.4162	314.4162	0.1017	0.0000	316.9584

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.6 Paving - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	6.8300e-003	5.0300e-003	0.0715	2.1000e-004	0.0258	1.4000e-004	0.0260	6.8600e-003	1.3000e-004	6.9900e-003	0.0000	19.6274	19.6274	4.7000e-004	4.8000e-004	19.7833
Total	6.8300e-003	5.0300e-003	0.0715	2.1000e-004	0.0258	1.4000e-004	0.0260	6.8600e-003	1.3000e-004	6.9900e-003	0.0000	19.6274	19.6274	4.7000e-004	4.8000e-004	19.7833

3.6 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	0.1432	1.3430	2.2815	3.5700e-003		0.0655	0.0655		0.0603	0.0603	0.0000	313.3013	313.3013	0.1013	0.0000	315.8345
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1432	1.3430	2.2815	3.5700e-003		0.0655	0.0655		0.0603	0.0603	0.0000	313.3013	313.3013	0.1013	0.0000	315.8345

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.6 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	6.3800e-003	4.5100e-003	0.0664	2.1000e-004	0.0258	1.3000e-004	0.0259	6.8400e-003	1.2000e-004	6.9600e-003	0.0000	18.8992	18.8992	4.2000e-004	4.5000e-004	19.0442
Total	6.3800e-003	4.5100e-003	0.0664	2.1000e-004	0.0258	1.3000e-004	0.0259	6.8400e-003	1.2000e-004	6.9600e-003	0.0000	18.8992	18.8992	4.2000e-004	4.5000e-004	19.0442

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	0.0439	0.1902	2.7068	3.5700e-003		5.8500e-003	5.8500e-003		5.8500e-003	5.8500e-003	0.0000	313.3010	313.3010	0.1013	0.0000	315.8342
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0439	0.1902	2.7068	3.5700e-003		5.8500e-003	5.8500e-003		5.8500e-003	5.8500e-003	0.0000	313.3010	313.3010	0.1013	0.0000	315.8342

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.6 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	6.3800e-003	4.5100e-003	0.0664	2.1000e-004	0.0258	1.3000e-004	0.0259	6.8400e-003	1.2000e-004	6.9600e-003	0.0000	18.8992	18.8992	4.2000e-004	4.5000e-004	19.0442
Total	6.3800e-003	4.5100e-003	0.0664	2.1000e-004	0.0258	1.3000e-004	0.0259	6.8400e-003	1.2000e-004	6.9600e-003	0.0000	18.8992	18.8992	4.2000e-004	4.5000e-004	19.0442

3.6 Paving - 2026

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	0.1432	1.3430	2.2815	3.5700e-003		0.0655	0.0655		0.0603	0.0603	0.0000	313.3013	313.3013	0.1013	0.0000	315.8345
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1432	1.3430	2.2815	3.5700e-003		0.0655	0.0655		0.0603	0.0603	0.0000	313.3013	313.3013	0.1013	0.0000	315.8345

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.6 Paving - 2026

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	6.0200e-003	4.0900e-003	0.0624	2.0000e-004	0.0258	1.3000e-004	0.0259	6.8400e-003	1.2000e-004	6.9600e-003	0.0000	18.3199	18.3199	3.9000e-004	4.3000e-004	18.4562
Total	6.0200e-003	4.0900e-003	0.0624	2.0000e-004	0.0258	1.3000e-004	0.0259	6.8400e-003	1.2000e-004	6.9600e-003	0.0000	18.3199	18.3199	3.9000e-004	4.3000e-004	18.4562

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	0.0439	0.1902	2.7068	3.5700e-003		5.8500e-003	5.8500e-003		5.8500e-003	5.8500e-003	0.0000	313.3010	313.3010	0.1013	0.0000	315.8342
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0439	0.1902	2.7068	3.5700e-003		5.8500e-003	5.8500e-003		5.8500e-003	5.8500e-003	0.0000	313.3010	313.3010	0.1013	0.0000	315.8342

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.6 Paving - 2026

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	6.0200e-003	4.0900e-003	0.0624	2.0000e-004	0.0258	1.3000e-004	0.0259	6.8400e-003	1.2000e-004	6.9600e-003	0.0000	18.3199	18.3199	3.9000e-004	4.3000e-004	18.4562
Total	6.0200e-003	4.0900e-003	0.0624	2.0000e-004	0.0258	1.3000e-004	0.0259	6.8400e-003	1.2000e-004	6.9600e-003	0.0000	18.3199	18.3199	3.9000e-004	4.3000e-004	18.4562

3.6 Paving - 2027

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	0.1432	1.3430	2.2815	3.5700e-003		0.0655	0.0655		0.0603	0.0603	0.0000	313.3013	313.3013	0.1013	0.0000	315.8345
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1432	1.3430	2.2815	3.5700e-003		0.0655	0.0655		0.0603	0.0603	0.0000	313.3013	313.3013	0.1013	0.0000	315.8345

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.6 Paving - 2027

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	5.6800e-003	3.7400e-003	0.0590	1.9000e-004	0.0258	1.2000e-004	0.0259	6.8400e-003	1.1000e-004	6.9500e-003	0.0000	17.8052	17.8052	3.5000e-004	4.0000e-004	17.9343
Total	5.6800e-003	3.7400e-003	0.0590	1.9000e-004	0.0258	1.2000e-004	0.0259	6.8400e-003	1.1000e-004	6.9500e-003	0.0000	17.8052	17.8052	3.5000e-004	4.0000e-004	17.9343

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	0.0439	0.1902	2.7068	3.5700e-003		5.8500e-003	5.8500e-003		5.8500e-003	5.8500e-003	0.0000	313.3010	313.3010	0.1013	0.0000	315.8342
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0439	0.1902	2.7068	3.5700e-003		5.8500e-003	5.8500e-003		5.8500e-003	5.8500e-003	0.0000	313.3010	313.3010	0.1013	0.0000	315.8342

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.6 Paving - 2027

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	5.6800e-003	3.7400e-003	0.0590	1.9000e-004	0.0258	1.2000e-004	0.0259	6.8400e-003	1.1000e-004	6.9500e-003	0.0000	17.8052	17.8052	3.5000e-004	4.0000e-004	17.9343
Total	5.6800e-003	3.7400e-003	0.0590	1.9000e-004	0.0258	1.2000e-004	0.0259	6.8400e-003	1.1000e-004	6.9500e-003	0.0000	17.8052	17.8052	3.5000e-004	4.0000e-004	17.9343

3.7 Architectural Coating - 2028

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	2.9915					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0267	0.1787	0.2822	4.6000e-004		8.0300e-003	8.0300e-003		8.0300e-003	8.0300e-003	0.0000	39.8308	39.8308	2.1700e-003	0.0000	39.8851
Total	3.0182	0.1787	0.2822	4.6000e-004		8.0300e-003	8.0300e-003		8.0300e-003	8.0300e-003	0.0000	39.8308	39.8308	2.1700e-003	0.0000	39.8851

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.7 Architectural Coating - 2028

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	0.0289	0.0186	0.3021	1.0200e-003	0.1386	6.0000e-004	0.1392	0.0368	5.5000e-004	0.0374	0.0000	93.3898	93.3898	1.7500e-003	2.0800e-003	94.0522
Total	0.0289	0.0186	0.3021	1.0200e-003	0.1386	6.0000e-004	0.1392	0.0368	5.5000e-004	0.0374	0.0000	93.3898	93.3898	1.7500e-003	2.0800e-003	94.0522

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	2.9915					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.6400e-003	0.0201	0.2859	4.6000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	39.8307	39.8307	2.1700e-003	0.0000	39.8850
Total	2.9962	0.0201	0.2859	4.6000e-004		6.2000e-004	6.2000e-004		6.2000e-004	6.2000e-004	0.0000	39.8307	39.8307	2.1700e-003	0.0000	39.8850

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

3.7 Architectural Coating - 2028

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	0.0289	0.0186	0.3021	1.0200e-003	0.1386	6.0000e-004	0.1392	0.0368	5.5000e-004	0.0374	0.0000	93.3898	93.3898	1.7500e-003	2.0800e-003	94.0522
Total	0.0289	0.0186	0.3021	1.0200e-003	0.1386	6.0000e-004	0.1392	0.0368	5.5000e-004	0.0374	0.0000	93.3898	93.3898	1.7500e-003	2.0800e-003	94.0522

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Diversity

Improve Destination Accessibility

Increase Transit Accessibility

Integrate Below Market Rate Housing

Limit Parking Supply

Artesia Mixed-Use Overlay SEIR revised - South Coast 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	4.6574	3.4847	30.7682	0.0451	5.2217	0.0355	5.2572	1.3936	0.0330	1.4266	0.0000	4,176.7740	4,176.7740	0.4683	0.2929	4,275.7567
Unmitigated	6.5822	6.3199	57.7906	0.1187	14.6585	0.0801	14.7386	3.9122	0.0746	3.9868	0.0000	10,986.2516	10,986.2516	0.8246	0.5427	11,168.5793

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	1,838.72	1,659.58	1382.42	5,972,986	2,127,698
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	607.78	137.90	43.68	1,482,086	527,949
Medical Office Building	3,619.20	891.28	147.68	7,090,483	2,525,773
Quality Restaurant	10,464.07	11,237.89	8982.58	14,753,055	5,255,335
Strip Mall	5,531.58	5,247.01	2549.87	9,636,584	3,432,745
Total	22,061.35	19,173.67	13,106.22	38,935,193	13,869,499

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
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Medical Office Building	16.60	8.40	6.90	29.60	51.40	19.00	60	30	10
Quality Restaurant	16.60	8.40	6.90	12.00	69.00	19.00	38	18	44
Strip Mall	16.60	8.40	6.90	16.60	64.40	19.00	45	40	15

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse High Rise	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401
Enclosed Parking with Elevator	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401
General Office Building	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401
Medical Office Building	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401
Quality Restaurant	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401
Strip Mall	0.538188	0.064794	0.188198	0.125732	0.023928	0.006891	0.012829	0.008420	0.000820	0.000476	0.025563	0.000761	0.003401

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Kilowatt Hours of Renewable Electricity Generated

Artesia Mixed-Use Overlay SEIR revised - South Coast 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					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,863.2498	1,863.2498	0.1573	0.0191	1,872.8620
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,902.3759	1,902.3759	0.1606	0.0195	1,912.1899
Natural Gas Mitigated	0.1841	1.6615	1.3157	0.0100		0.1272	0.1272		0.1272	0.1272	0.0000	1,822.2024	1,822.2024	0.0349	0.0334	1,833.0309
Natural Gas Unmitigated	0.1892	1.7068	1.3493	0.0103		0.1307	0.1307		0.1307	0.1307	0.0000	1,872.1635	1,872.1635	0.0359	0.0343	1,883.2888

Artesia Mixed-Use Overlay SEIR revised - South Coast 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					
Condo/Townhouse High Rise	4.41651e+006	0.0238	0.2035	0.0866	1.3000e-003		0.0165	0.0165		0.0165	0.0165	0.0000	235.6817	235.6817	4.5200e-003	4.3200e-003	237.0822
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	643344	3.4700e-003	0.0315	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3313	34.3313	6.6000e-004	6.3000e-004	34.5353
Medical Office Building	1.07224e+006	5.7800e-003	0.0526	0.0442	3.2000e-004		3.9900e-003	3.9900e-003		3.9900e-003	3.9900e-003	0.0000	57.2188	57.2188	1.1000e-003	1.0500e-003	57.5588
Quality Restaurant	2.87475e+007	0.1550	1.4092	1.1837	8.4600e-003		0.1071	0.1071		0.1071	0.1071	0.0000	1,534.0754	1,534.0754	0.0294	0.0281	1,543.1916
Strip Mall	203440	1.1000e-003	9.9700e-003	8.3800e-003	6.0000e-005		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004	0.0000	10.8564	10.8564	2.1000e-004	2.0000e-004	10.9209
Total		0.1892	1.7068	1.3493	0.0103		0.1307	0.1307		0.1307	0.1307	0.0000	1,872.1635	1,872.1635	0.0359	0.0343	1,883.2888

Artesia Mixed-Use Overlay SEIR revised - South Coast 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					
Condo/Townhouse High Rise	4.19064e+006	0.0226	0.1931	0.0822	1.2300e-003		0.0156	0.0156		0.0156	0.0156	0.0000	223.6283	223.6283	4.2900e-003	4.1000e-003	224.9572
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	581443	3.1400e-003	0.0285	0.0239	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.0280	31.0280	5.9000e-004	5.7000e-004	31.2124
Medical Office Building	969072	5.2300e-003	0.0475	0.0399	2.9000e-004		3.6100e-003	3.6100e-003		3.6100e-003	3.6100e-003	0.0000	51.7134	51.7134	9.9000e-004	9.5000e-004	52.0207
Quality Restaurant	2.82164e+007	0.1522	1.3832	1.1619	8.3000e-003		0.1051	0.1051		0.1051	0.1051	0.0000	1,505.7357	1,505.7357	0.0289	0.0276	1,514.6835
Strip Mall	189212	1.0200e-003	9.2800e-003	7.7900e-003	6.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	10.0971	10.0971	1.9000e-004	1.9000e-004	10.1571
Total		0.1841	1.6615	1.3157	0.0101		0.1272	0.1272		0.1272	0.1272	0.0000	1,822.2024	1,822.2024	0.0349	0.0334	1,833.0309

Artesia Mixed-Use Overlay SEIR revised - South Coast 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			
Condo/Townhouse High Rise	1.38885e+006	246.3055	0.0208	2.5200e-003	247.5762
Enclosed Parking with Elevator	226304	40.1340	3.3900e-003	4.1000e-004	40.3411
General Office Building	780000	138.3295	0.0117	1.4200e-003	139.0431
Medical Office Building	1.3e+006	230.5492	0.0195	2.3600e-003	231.7386
Quality Restaurant	5.40053e+006	957.7597	0.0808	9.8000e-003	962.7006
Strip Mall	1.63127e+006	289.2979	0.0244	2.9600e-003	290.7903
Total		1,902.3759	0.1606	0.0195	1,912.1899

Artesia Mixed-Use Overlay SEIR revised - South Coast 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			
Condo/Townhouse High Rise	1.38689e+006	245.9591	0.0208	2.5200e-003	247.2280
Enclosed Parking with Elevator	211610	37.5280	3.1700e-003	3.8000e-004	37.7216
General Office Building	754219	133.7574	0.0113	1.3700e-003	134.4474
Medical Office Building	1.25712e+006	222.9449	0.0188	2.2800e-003	224.0950
Quality Restaurant	5.31003e+006	941.7105	0.0795	9.6300e-003	946.5686
Strip Mall	1.58645e+006	281.3499	0.0238	2.8800e-003	282.8013
Total		1,863.2498	0.1573	0.0191	1,872.8620

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed

Artesia Mixed-Use Overlay SEIR revised - South Coast 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	3.1310	0.0401	3.4823	1.8000e-004		0.0194	0.0194		0.0194	0.0194	0.0000	5.7052	5.7052	5.4500e-003	0.0000	5.8415
Unmitigated	3.1310	0.0401	3.4823	1.8000e-004		0.0194	0.0194		0.0194	0.0194	0.0000	5.7052	5.7052	5.4500e-003	0.0000	5.8415

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	0.2992					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.7273					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	0.1045	0.0401	3.4823	1.8000e-004		0.0194	0.0194		0.0194	0.0194	0.0000	5.7052	5.7052	5.4500e-003	0.0000	5.8415
Total	3.1310	0.0401	3.4823	1.8000e-004		0.0194	0.0194		0.0194	0.0194	0.0000	5.7052	5.7052	5.4500e-003	0.0000	5.8415

Artesia Mixed-Use Overlay SEIR revised - South Coast 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	0.2992					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.7273					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	0.1045	0.0401	3.4823	1.8000e-004		0.0194	0.0194		0.0194	0.0194	0.0000	5.7052	5.7052	5.4500e-003	0.0000	5.8415
Total	3.1310	0.0401	3.4823	1.8000e-004		0.0194	0.0194		0.0194	0.0194	0.0000	5.7052	5.7052	5.4500e-003	0.0000	5.8415

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

Artesia Mixed-Use Overlay SEIR revised - South Coast 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	253.8404	2.4514	0.0598	332.9381
Unmitigated	306.6020	3.0633	0.0746	405.4189

Artesia Mixed-Use Overlay SEIR revised - South Coast 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

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhouse High Rise	22.0221 / 13.8835	85.1950	0.7242	0.0177	108.5875
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	11.0906 / 6.79746	42.5222	0.3647	8.9300e-003	54.3009
Medical Office Building	13.05 / 2.48571	39.1730	0.4282	0.0104	52.9767
Quality Restaurant	37.884 / 2.41813	104.2658	1.2422	0.0301	144.2891
Strip Mall	9.24499 / 5.66629	35.4460	0.3040	7.4500e-003	45.2647
Total		306.6020	3.0633	0.0746	405.4189

Artesia Mixed-Use Overlay SEIR revised - South Coast 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			
Condo/Townhouse High Rise	17.6176 / 13.0366	71.9583	0.5797	0.0142	90.6919
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	8.87247 / 6.38281	35.8794	0.2919	7.1600e-003	45.3120
Medical Office Building	10.44 / 2.33408	32.0192	0.3426	8.3300e-003	43.0656
Quality Restaurant	30.3072 / 2.27062	84.0749	0.9939	0.0241	116.0970
Strip Mall	7.39599 / 5.32064	29.9087	0.2433	5.9700e-003	37.7716
Total		253.8404	2.4514	0.0598	332.9381

8.0 Waste Detail

8.1 Mitigation Measures Waste

Artesia Mixed-Use Overlay SEIR revised - South Coast 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	321.0607	18.9741	0.0000	795.4142
Unmitigated	321.0607	18.9741	0.0000	795.4142

Artesia Mixed-Use Overlay SEIR revised - South Coast 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

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse High Rise	155.48	31.5610	1.8652	0.0000	78.1911
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	58.03	11.7796	0.6962	0.0000	29.1834
Medical Office Building	1123.2	227.9995	13.4744	0.0000	564.8590
Quality Restaurant	113.89	23.1186	1.3663	0.0000	57.2755
Strip Mall	131.05	26.6020	1.5721	0.0000	65.9052
Total		321.0607	18.9741	0.0000	795.4142

Artesia Mixed-Use Overlay SEIR revised - South Coast 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			
Condo/Townhouse High Rise	155.48	31.5610	1.8652	0.0000	78.1911
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	58.03	11.7796	0.6962	0.0000	29.1834
Medical Office Building	1123.2	227.9995	13.4744	0.0000	564.8590
Quality Restaurant	113.89	23.1186	1.3663	0.0000	57.2755
Strip Mall	131.05	26.6020	1.5721	0.0000	65.9052
Total		321.0607	18.9741	0.0000	795.4142

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Artesia Mixed-Use Overlay SEIR revised - South Coast 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	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	354.0000	0.0000	0.0000	354.0000

Artesia Mixed-Use Overlay SEIR revised - South Coast Air Basin, Annual

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

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	500	354.0000	0.0000	0.0000	354.0000
Total		354.0000	0.0000	0.0000	354.0000