Appendix C:
Air Quality, Greenhouse Gas Emissions, and Energy Supporting Information

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Appendix C: Air Quality, Greenhouse Gas Emissions, and Energy Supporting Information

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Rio Vista Industrial Trip Adjustment Methodology

To calculate the adjusted fleet mix for the industrial uses, industrial trips from the Traffic Impact Analysis from EPD Solutions, separated into the categories passenger cars, 2-4 axle trucks, and 5-axle trucks, were further separated into EMFAC vehicle categories proportionally using the CalEEMod fleet mix for Riverside County then converted into fraction for input into CalEEMod. Passenger cars were separated into LDA, LDT1, LDT2, and MDV categories; 2-4 axle trucks were separated into LHD1, LHD2, and MHDT; and 5-axle trucks were counted as HHDT trucks.

Rio Vista Specific Plan - Riverside-South Coast County, Annual

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

Rio Vista Specific Plan

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	3,572.00	1000sqft	82.00	3,572,000.00	0
Elementary School	583.70	1000sqft	13.40	583,704.00	0
General Heavy Industry	2,539.55	1000sqft	58.30	2,539,548.00	0
General Heavy Industry	61.00	1000sqft	1.40	61,000.00	0
Other Asphalt Surfaces	19.60	Acre	19.60	853,776.00	0
Other Non-Asphalt Surfaces	519.80	Acre	519.80	22,642,488.00	0
City Park	18.40	Acre	18.40	801,504.00	0
Condo/Townhouse High Rise	1,019.00	Dwelling Unit	80.30	1,019,000.00	2914
Single Family Housing	673.00	Dwelling Unit	117.70	1,211,400.00	1925
Single Family Housing	5.00	Dwelling Unit	6.40	9,000.00	14

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2034
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 -

Land Use - 917.3 acre Specific Plan with a mixture of residential, commercial, and industrial uses

Construction Phase - Construction to begin January 1, 2034, and occur over 10 years

Rio Vista Specific Plan - Riverside-South Coast County, Annual

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

Grading -

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - Per Traffic Impact Analysis, the project will generate 38,106 trips

Woodstoves - No hearths

Area Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Fleet Mix - Industrial fleet mix per trip generation analysis

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	1,100.00	145.00
tblConstructionPhase	NumDays	15,500.00	2,035.00
tblConstructionPhase	NumDays	1,550.00	205.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblConstructionPhase	NumDays	600.00	80.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	866.15	0.00
tblFireplaces	NumberGas	576.30	0.00
tblFireplaces	NumberNoFireplace	101.90	0.00
tblFireplaces	NumberNoFireplace	67.80	0.00
tblFireplaces	NumberWood	50.95	0.00

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

tblFireplaces	NumberWood	33.90	0.00
tblFleetMix	HHD	0.02	0.10
tblFleetMix	LDA	0.55	0.49
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT2	0.18	0.17
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.3850e-003	6.9000e-003
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.12
tblFleetMix	MH	3.3760e-003	0.00
tblFleetMix	MHD	0.01	0.04
tblFleetMix	OBUS	5.8700e-004	0.00
tblFleetMix	SBUS	1.0400e-003	0.00
tblFleetMix	UBUS	2.6400e-004	0.00
tblLandUse	LandUseSquareFeet	583,700.00	583,704.00
tblLandUse	LandUseSquareFeet	2,539,550.00	2,539,548.00
tblLandUse	LotAcreage	15.92	80.30
tblLandUse	LotAcreage	1.62	6.40
tblLandUse	LotAcreage	218.51	117.70
tblVehicleTrips	ST_TR	4.91	7.32
tblVehicleTrips	ST_TR	6.42	2.13
tblVehicleTrips	SU_TR	4.09	7.32
tblVehicleTrips	SU_TR	5.09	2.13
tblVehicleTrips	WD_TR	5.44	7.32
tblVehicleTrips	WD_TR	19.52	2.99
tblVehicleTrips	WD_TR	3.93	2.13
tblVehicleTrips	WD_TR	11.07	4.98
tblWoodstoves	NumberCatalytic	50.95	0.00
tblWoodstoves	NumberCatalytic	33.90	0.00

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

tblWoodstoves	NumberNoncatalytic	50.95	0.00
tblWoodstoves	NumberNoncatalytic	33.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Rio Vista Specific Plan - Riverside-South Coast County, 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					
2024	0.4070	4.0388	3.3306	7.4000e-003	1.6883	0.1708	1.8591	0.7480	0.1572	0.9051	0.0000	650.5144	650.5144	0.2042	5.2000e-004	655.7759
2025	5.4621	26.2509	54.9155	0.2486	22.2311	0.3304	22.5615	5.9626	0.3118	6.2744	0.0000	23,261.7780	23,261.7780	0.4777	1.8167	23,815.0973
2026	5.6420	27.8730	56.7574	0.2650	23.9431	0.3427	24.2857	6.4577	0.3238	6.7815	0.0000	24,801.4812	24,801.4812	0.4781	1.9387	25,391.1581
2027	5.3580	27.3605	54.0771	0.2585	23.9430	0.3367	24.2797	6.4576	0.3183	6.7759	0.0000	24,199.1714	24,199.1714	0.4578	1.8874	24,773.0582
2028	5.0838	26.8383	51.6480	0.2516	23.8512	0.3295	24.1807	6.4329	0.3116	6.7444	0.0000	23,559.8368	23,559.8368	0.4396	1.8330	24,117.0696
2029	4.8616	26.5716	49.9051	0.2472	23.9429	0.3250	24.2679	6.4576	0.3074	6.7650	0.0000	23,153.2550	23,153.2550	0.4272	1.7969	23,699.4243
2030	4.6295	25.6491	48.2578	0.2429	23.9429	0.2702	24.2130	6.4576	0.2571	6.7147	0.0000	22,743.4292	22,743.4292	0.3578	1.7576	23,276.1398
2031	4.4138	25.5062	47.2001	0.2387	23.9428	0.2602	24.2030	6.4576	0.2476	6.7052	0.0000	22,354.7428	22,354.7428	0.3484	1.7214	22,876.4260
2032	3.7773	22.5539	41.0845	0.2092	21.2850	0.2323	21.5173	5.7407	0.2215	5.9622	0.0000	19,593.4238	19,593.4238	0.3033	1.5031	20,048.9170
2033	26.3958	0.6767	4.8170	0.0160	2.1873	0.0261	2.2135	0.5808	0.0257	0.6065	0.0000	1,451.7328	1,451.7328	0.0252	0.0276	1,460.5784
Maximum	**26.3958**	**27.8730**	**56.7574**	**0.2650**	**23.9431**	**0.3427**	**24.2857**	**6.4577**	**0.3238**	**6.7815**	**0.0000**	**24,801.4812**	**24,801.4812**	**0.4781**	**1.9387**	**25,391.1581**

Rio Vista Specific Plan - Riverside-South Coast County, Annual

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

2.1 Overall Construction

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					
2024	0.4070	4.0388	3.3306	7.4000e-003	0.6755	0.1708	0.8463	0.2962	0.1572	0.4534	0.0000	650.5136	650.5136	0.2042	5.2000e-004	655.7751
2025	5.4621	26.2509	54.9155	0.2486	21.9899	0.3304	22.3203	5.9179	0.3118	6.2297	0.0000	23,261.7776	23,261.7776	0.4777	1.8167	23,815.0969
2026	5.6420	27.8729	56.7574	0.2650	23.9431	0.3427	24.2857	6.4577	0.3238	6.7815	0.0000	24,801.4809	24,801.4809	0.4781	1.9387	25,391.1578
2027	5.3580	27.3605	54.0771	0.2585	23.9430	0.3367	24.2797	6.4576	0.3183	6.7759	0.0000	24,199.1710	24,199.1710	0.4578	1.8874	24,773.0578
2028	5.0838	26.8383	51.6480	0.2516	23.8512	0.3295	24.1807	6.4329	0.3116	6.7444	0.0000	23,559.8365	23,559.8365	0.4396	1.8330	24,117.0693
2029	4.8616	26.5716	49.9051	0.2472	23.9429	0.3250	24.2679	6.4576	0.3074	6.7650	0.0000	23,153.2547	23,153.2547	0.4272	1.7969	23,699.4239
2030	4.6295	25.6491	48.2578	0.2429	23.9429	0.2702	24.2130	6.4576	0.2571	6.7147	0.0000	22,743.4288	22,743.4288	0.3578	1.7576	23,276.1394
2031	4.4138	25.5062	47.2001	0.2387	23.9428	0.2602	24.2030	6.4576	0.2476	6.7052	0.0000	22,354.7424	22,354.7424	0.3484	1.7214	22,876.4255
2032	3.7773	22.5539	41.0845	0.2092	21.2850	0.2323	21.5173	5.7407	0.2215	5.9622	0.0000	19,593.4233	19,593.4233	0.3033	1.5031	20,048.9166
2033	26.3958	0.6767	4.8170	0.0160	2.1873	0.0261	2.2135	0.5808	0.0257	0.6065	0.0000	1,451.7326	1,451.7326	0.0252	0.0276	1,460.5782
Maximum	**26.3958**	**27.8729**	**56.7574**	**0.2650**	**23.9431**	**0.3427**	**24.2857**	**6.4577**	**0.3238**	**6.7815**	**0.0000**	**24,801.4809**	**24,801.4809**	**0.4781**	**1.9387**	**25,391.1578**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.66**	**0.00**	**0.65**	**0.96**	**0.00**	**0.92**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Rio Vista Specific Plan - Riverside-South Coast County, Annual

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.9728	0.9728
2	4-1-2024	6-30-2024	1.1212	1.1212
3	7-1-2024	9-30-2024	1.1731	1.1731
4	10-1-2024	12-31-2024	1.1730	1.1730
5	1-1-2025	3-31-2025	5.9644	5.9644
6	4-1-2025	6-30-2025	8.3999	8.3999
7	7-1-2025	9-30-2025	8.4922	8.4922
8	10-1-2025	12-31-2025	8.7662	8.7662
9	1-1-2026	3-31-2026	8.3608	8.3608
10	4-1-2026	6-30-2026	8.1799	8.1799
11	7-1-2026	9-30-2026	8.2698	8.2698
12	10-1-2026	12-31-2026	8.5466	8.5466
13	1-1-2027	3-31-2027	8.1644	8.1644
14	4-1-2027	6-30-2027	7.9793	7.9793
15	7-1-2027	9-30-2027	8.0670	8.0670
16	10-1-2027	12-31-2027	8.3458	8.3458
17	1-1-2028	3-31-2028	8.0867	8.0867
18	4-1-2028	6-30-2028	7.8091	7.8091
19	7-1-2028	9-30-2028	7.8949	7.8949
20	10-1-2028	12-31-2028	8.1756	8.1756
21	1-1-2029	3-31-2029	7.8464	7.8464
22	4-1-2029	6-30-2029	7.6539	7.6539
23	7-1-2029	9-30-2029	7.7380	7.7380
24	10-1-2029	12-31-2029	8.0207	8.0207
25	1-1-2030	3-31-2030	7.5609	7.5609
26	4-1-2030	6-30-2030	7.3635	7.3635
27	7-1-2030	9-30-2030	7.4444	7.4444
28	10-1-2030	12-31-2030	7.7289	7.7289

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

29	**1-1-2031**	**3-31-2031**	7.4720	7.4720
30	**4-1-2031**	**6-30-2031**	7.2691	7.2691
31	**7-1-2031**	**9-30-2031**	7.3490	7.3490
32	**10-1-2031**	**12-31-2031**	7.6381	7.6381
33	**1-1-2032**	**3-31-2032**	7.4427	7.4427
34	**4-1-2032**	**6-30-2032**	7.1545	7.1545
35	**7-1-2032**	**9-30-2032**	7.2331	7.2331
36	**10-1-2032**	**12-31-2032**	4.2229	4.2229
37	**1-1-2033**	**3-31-2033**	0.2862	0.2862
38	**4-1-2033**	**6-30-2033**	2.8454	2.8454
39	**7-1-2033**	**9-30-2033**	12.0501	12.0501
		Highest	12.0501	12.0501

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	37.1558	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610
Energy	0.7188	6.4351	4.7593	0.0392		0.4966	0.4966		0.4966	0.4966	0.0000	20,203.3408	20,203.3408	1.2412	0.2643	20,313.1412
Mobile	11.0917	23.2169	125.2923	0.3645	46.6657	0.2787	46.9444	12.4763	0.2627	12.7390	0.0000	33,847.5453	33,847.5453	1.3766	1.8783	34,441.6985
Waste						0.0000	0.0000		0.0000	0.0000	1,739.7868	0.0000	1,739.7868	102.8185	0.0000	4,310.2482
Water						0.0000	0.0000		0.0000	0.0000	432.6499	4,182.1143	4,614.7642	44.7903	1.0921	6,059.9510
Total	**48.9663**	**29.8540**	**147.5988**	**0.4046**	**46.6657**	**0.8727**	**47.5384**	**12.4763**	**0.8567**	**13.3330**	**2,172.4367**	**58,261.7688**	**60,434.2055**	**150.2542**	**3.2347**	**65,154.5000**

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	37.1558	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610
Energy	0.7188	6.4351	4.7593	0.0392		0.4966	0.4966		0.4966	0.4966	0.0000	20,203.3408	20,203.3408	1.2412	0.2643	20,313.1412
Mobile	11.0917	23.2169	125.2923	0.3645	46.6657	0.2787	46.9444	12.4763	0.2627	12.7390	0.0000	33,847.5453	33,847.5453	1.3766	1.8783	34,441.6985
Waste						0.0000	0.0000		0.0000	0.0000	1,739.7868	0.0000	1,739.7868	102.8185	0.0000	4,310.2482
Water						0.0000	0.0000		0.0000	0.0000	432.6499	4,182.1143	4,614.7642	44.7903	1.0921	6,059.9510
Total	**48.9663**	**29.8540**	**147.5988**	**0.4046**	**46.6657**	**0.8727**	**47.5384**	**12.4763**	**0.8567**	**13.3330**	**2,172.4367**	**58,261.7688**	**60,434.2055**	**150.2542**	**3.2347**	**65,154.5000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	1/1/2024	4/19/2024	5	80	
2	Grading	Grading	4/20/2024	1/31/2025	5	205	
3	Building Construction	Building Construction	2/1/2025	11/19/2032	5	2035	

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

4	Paving	Paving	11/20/2032	6/10/2033	5	145	
5	Architectural Coating	Architectural Coating	6/11/2033	12/30/2033	5	145	

Acres of Grading (Site Preparation Phase): 120

Acres of Grading (Grading Phase): 615

Acres of Paving: 539.4

Residential Indoor: 4,534,785; Residential Outdoor: 1,511,595; Non-Residential Indoor: 10,134,380; Non-Residential Outdoor: 3,378,127; Striped Parking Area: 1,409,776 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13,663.00	5,271.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2,733.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					0.7863	0.0000	0.7863	0.4041	0.0000	0.4041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1064	1.0870	0.7334	1.5200e-003		0.0492	0.0492		0.0452	0.0452	0.0000	133.8283	133.8283	0.0433	0.0000	134.9103
Total	**0.1064**	**1.0870**	**0.7334**	**1.5200e-003**	**0.7863**	**0.0492**	**0.8355**	**0.4041**	**0.0452**	**0.4493**	**0.0000**	**133.8283**	**133.8283**	**0.0433**	**0.0000**	**134.9103**

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

3.2 Site Preparation - 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	2.1800e-003	1.5400e-003	0.0211	6.0000e-005	7.9100e-003	4.0000e-005	7.9500e-003	2.1000e-003	3.0000e-005	2.1300e-003	0.0000	5.8276	5.8276	1.4000e-004	1.5000e-004	5.8752
Total	**2.1800e-003**	**1.5400e-003**	**0.0211**	**6.0000e-005**	**7.9100e-003**	**4.0000e-005**	**7.9500e-003**	**2.1000e-003**	**3.0000e-005**	**2.1300e-003**	**0.0000**	**5.8276**	**5.8276**	**1.4000e-004**	**1.5000e-004**	**5.8752**

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					0.3067	0.0000	0.3067	0.1576	0.0000	0.1576	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1064	1.0870	0.7334	1.5200e-003		0.0492	0.0492		0.0452	0.0452	0.0000	133.8281	133.8281	0.0433	0.0000	134.9102
Total	**0.1064**	**1.0870**	**0.7334**	**1.5200e-003**	**0.3067**	**0.0492**	**0.3558**	**0.1576**	**0.0452**	**0.2028**	**0.0000**	**133.8281**	**133.8281**	**0.0433**	**0.0000**	**134.9102**

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

3.2 Site Preparation - 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	2.1800e-003	1.5400e-003	0.0211	6.0000e-005	7.9100e-003	4.0000e-005	7.9500e-003	2.1000e-003	3.0000e-005	2.1300e-003	0.0000	5.8276	5.8276	1.4000e-004	1.5000e-004	5.8752
Total	**2.1800e-003**	**1.5400e-003**	**0.0211**	**6.0000e-005**	**7.9100e-003**	**4.0000e-005**	**7.9500e-003**	**2.1000e-003**	**3.0000e-005**	**2.1300e-003**	**0.0000**	**5.8276**	**5.8276**	**1.4000e-004**	**1.5000e-004**	**5.8752**

3.3 Grading - 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					
Fugitive Dust					0.8741	0.0000	0.8741	0.3364	0.0000	0.3364	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2929	2.9463	2.5228	5.6500e-003		0.1215	0.1215		0.1118	0.1118	0.0000	496.1277	496.1277	0.1605	0.0000	500.1391
Total	**0.2929**	**2.9463**	**2.5228**	**5.6500e-003**	**0.8741**	**0.1215**	**0.9956**	**0.3364**	**0.1118**	**0.4482**	**0.0000**	**496.1277**	**496.1277**	**0.1605**	**0.0000**	**500.1391**

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

3.3 Grading - 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	5.5100e-003	3.8900e-003	0.0533	1.6000e-004	0.0200	9.0000e-005	0.0201	5.3100e-003	8.0000e-005	5.4000e-003	0.0000	14.7309	14.7309	3.4000e-004	3.8000e-004	14.8513
Total	**5.5100e-003**	**3.8900e-003**	**0.0533**	**1.6000e-004**	**0.0200**	**9.0000e-005**	**0.0201**	**5.3100e-003**	**8.0000e-005**	**5.4000e-003**	**0.0000**	**14.7309**	**14.7309**	**3.4000e-004**	**3.8000e-004**	**14.8513**

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					0.3409	0.0000	0.3409	0.1312	0.0000	0.1312	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2929	2.9463	2.5228	5.6500e-003		0.1215	0.1215		0.1118	0.1118	0.0000	496.1271	496.1271	0.1605	0.0000	500.1385
Total	**0.2929**	**2.9463**	**2.5228**	**5.6500e-003**	**0.3409**	**0.1215**	**0.4624**	**0.1312**	**0.1118**	**0.2430**	**0.0000**	**496.1271**	**496.1271**	**0.1605**	**0.0000**	**500.1385**

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

3.3 Grading - 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	5.5100e-003	3.8900e-003	0.0533	1.6000e-004	0.0200	9.0000e-005	0.0201	5.3100e-003	8.0000e-005	5.4000e-003	0.0000	14.7309	14.7309	3.4000e-004	3.8000e-004	14.8513
Total	**5.5100e-003**	**3.8900e-003**	**0.0533**	**1.6000e-004**	**0.0200**	**9.0000e-005**	**0.0201**	**5.3100e-003**	**8.0000e-005**	**5.4000e-003**	**0.0000**	**14.7309**	**14.7309**	**3.4000e-004**	**3.8000e-004**	**14.8513**

3.3 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3954	0.0000	0.3954	0.0733	0.0000	0.0733	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0334	0.3213	0.3028	7.1000e-004		0.0130	0.0130		0.0120	0.0120	0.0000	62.6821	62.6821	0.0203	0.0000	63.1890
Total	**0.0334**	**0.3213**	**0.3028**	**7.1000e-004**	**0.3954**	**0.0130**	**0.4084**	**0.0733**	**0.0120**	**0.0852**	**0.0000**	**62.6821**	**62.6821**	**0.0203**	**0.0000**	**63.1890**

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

3.3 Grading - 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	6.5000e-004	4.4000e-004	6.2700e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.7985	1.7985	4.0000e-005	4.0000e-005	1.8126
Total	**6.5000e-004**	**4.4000e-004**	**6.2700e-003**	**2.0000e-005**	**2.5300e-003**	**1.0000e-005**	**2.5400e-003**	**6.7000e-004**	**1.0000e-005**	**6.8000e-004**	**0.0000**	**1.7985**	**1.7985**	**4.0000e-005**	**4.0000e-005**	**1.8126**

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					0.1542	0.0000	0.1542	0.0286	0.0000	0.0286	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0334	0.3213	0.3028	7.1000e-004		0.0130	0.0130		0.0120	0.0120	0.0000	62.6821	62.6821	0.0203	0.0000	63.1889
Total	**0.0334**	**0.3213**	**0.3028**	**7.1000e-004**	**0.1542**	**0.0130**	**0.1672**	**0.0286**	**0.0120**	**0.0405**	**0.0000**	**62.6821**	**62.6821**	**0.0203**	**0.0000**	**63.1889**

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

3.3 Grading - 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	6.5000e-004	4.4000e-004	6.2700e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.7985	1.7985	4.0000e-005	4.0000e-005	1.8126
Total	**6.5000e-004**	**4.4000e-004**	**6.2700e-003**	**2.0000e-005**	**2.5300e-003**	**1.0000e-005**	**2.5400e-003**	**6.7000e-004**	**1.0000e-005**	**6.8000e-004**	**0.0000**	**1.7985**	**1.7985**	**4.0000e-005**	**4.0000e-005**	**1.8126**

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	0.1627	1.4839	1.9141	3.2100e-003		0.0628	0.0628		0.0591	0.0591	0.0000	275.9842	275.9842	0.0649	0.0000	277.6060
Total	**0.1627**	**1.4839**	**1.9141**	**3.2100e-003**		**0.0628**	**0.0628**		**0.0591**	**0.0591**	**0.0000**	**275.9842**	**275.9842**	**0.0649**	**0.0000**	**277.6060**

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	0.6603	21.3295	8.3758	0.1060	3.9625	0.1777	4.1402	1.1432	0.1700	1.3132	0.0000	10,207.8180	10,207.8180	0.1146	1.5040	10,658.8760
Worker	4.6050	3.1157	44.3165	0.1387	17.8707	0.0769	17.9476	4.7454	0.0708	4.8162	0.0000	12,713.4952	12,713.4952	0.2780	0.3127	12,813.6137
Total	**5.2653**	**24.4452**	**52.6923**	**0.2447**	**21.8332**	**0.2546**	**22.0878**	**5.8886**	**0.2408**	**6.1294**	**0.0000**	**22,921.3132**	**22,921.3132**	**0.3925**	**1.8167**	**23,472.4897**

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	0.1627	1.4839	1.9141	3.2100e-003		0.0628	0.0628		0.0591	0.0591	0.0000	275.9838	275.9838	0.0649	0.0000	277.6057
Total	**0.1627**	**1.4839**	**1.9141**	**3.2100e-003**		**0.0628**	**0.0628**		**0.0591**	**0.0591**	**0.0000**	**275.9838**	**275.9838**	**0.0649**	**0.0000**	**277.6057**

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	0.6603	21.3295	8.3758	0.1060	3.9625	0.1777	4.1402	1.1432	0.1700	1.3132	0.0000	10,207.8180	10,207.8180	0.1146	1.5040	10,658.8760
Worker	4.6050	3.1157	44.3165	0.1387	17.8707	0.0769	17.9476	4.7454	0.0708	4.8162	0.0000	12,713.4952	12,713.4952	0.2780	0.3127	12,813.6137
Total	**5.2653**	**24.4452**	**52.6923**	**0.2447**	**21.8332**	**0.2546**	**22.0878**	**5.8886**	**0.2408**	**6.1294**	**0.0000**	**22,921.3132**	**22,921.3132**	**0.3925**	**1.8167**	**23,472.4897**

3.4 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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

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

3.4 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	0.7154	23.1548	9.0983	0.1141	4.3454	0.1940	4.5394	1.2537	0.1856	1.4393	0.0000	10,990.6692	10,990.6692	0.1301	1.6162	11,475.5436
Worker	4.7481	3.0909	45.5600	0.1473	19.5977	0.0799	19.6776	5.2040	0.0735	5.2775	0.0000	13,508.1572	13,508.1572	0.2768	0.3225	13,611.1810
Total	**5.4635**	**26.2457**	**54.6583**	**0.2614**	**23.9431**	**0.2739**	**24.2169**	**6.4577**	**0.2591**	**6.7167**	**0.0000**	**24,498.8263**	**24,498.8263**	**0.4069**	**1.9387**	**25,086.7246**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

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

3.4 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	0.7154	23.1548	9.0983	0.1141	4.3454	0.1940	4.5394	1.2537	0.1856	1.4393	0.0000	10,990.6692	10,990.6692	0.1301	1.6162	11,475.5436
Worker	4.7481	3.0909	45.5600	0.1473	19.5977	0.0799	19.6776	5.2040	0.0735	5.2775	0.0000	13,508.1572	13,508.1572	0.2768	0.3225	13,611.1810
Total	**5.4635**	**26.2457**	**54.6583**	**0.2614**	**23.9431**	**0.2739**	**24.2169**	**6.4577**	**0.2591**	**6.7167**	**0.0000**	**24,498.8263**	**24,498.8263**	**0.4069**	**1.9387**	**25,086.7246**

3.4 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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

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

3.4 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	0.7080	22.9177	9.0274	0.1119	4.3453	0.1929	4.5382	1.2537	0.1846	1.4382	0.0000	10,776.4764	10,776.4764	0.1341	1.5820	11,251.2625
Worker	4.4716	2.8155	42.9507	0.1431	19.5977	0.0749	19.6726	5.2040	0.0690	5.2729	0.0000	13,120.0402	13,120.0402	0.2526	0.3054	13,217.3622
Total	**5.1796**	**25.7333**	**51.9780**	**0.2550**	**23.9430**	**0.2679**	**24.2109**	**6.4576**	**0.2535**	**6.7112**	**0.0000**	**23,896.5165**	**23,896.5165**	**0.3867**	**1.8874**	**24,468.6247**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

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

3.4 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	0.7080	22.9177	9.0274	0.1119	4.3453	0.1929	4.5382	1.2537	0.1846	1.4382	0.0000	10,776.4764	10,776.4764	0.1341	1.5820	11,251.2625
Worker	4.4716	2.8155	42.9507	0.1431	19.5977	0.0749	19.6726	5.2040	0.0690	5.2729	0.0000	13,120.0402	13,120.0402	0.2526	0.3054	13,217.3622
Total	**5.1796**	**25.7333**	**51.9780**	**0.2550**	**23.9430**	**0.2679**	**24.2109**	**6.4576**	**0.2535**	**6.7112**	**0.0000**	**23,896.5165**	**23,896.5165**	**0.3867**	**1.8874**	**24,468.6247**

3.4 Building Construction - 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					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4953**	**301.4953**	**0.0709**	**0.0000**	**303.2671**

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

3.4 Building Construction - 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	0.6998	22.6419	8.9436	0.1093	4.3286	0.1913	4.5199	1.2489	0.1830	1.4319	0.0000	10,530.3176	10,530.3176	0.1378	1.5430	10,993.5747
Worker	4.2062	2.5753	40.6134	0.1388	19.5226	0.0696	19.5922	5.1840	0.0640	5.2481	0.0000	12,728.0239	12,728.0239	0.2310	0.2900	12,820.2279
Total	**4.9060**	**25.2172**	**49.5570**	**0.2481**	**23.8512**	**0.2609**	**24.1121**	**6.4329**	**0.2470**	**6.6799**	**0.0000**	**23,258.3416**	**23,258.3416**	**0.3687**	**1.8330**	**23,813.8026**

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4949**	**301.4949**	**0.0709**	**0.0000**	**303.2667**

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

3.4 Building Construction - 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	0.6998	22.6419	8.9436	0.1093	4.3286	0.1913	4.5199	1.2489	0.1830	1.4319	0.0000	10,530.3176	10,530.3176	0.1378	1.5430	10,993.5747
Worker	4.2062	2.5753	40.6134	0.1388	19.5226	0.0696	19.5922	5.1840	0.0640	5.2481	0.0000	12,728.0239	12,728.0239	0.2310	0.2900	12,820.2279
Total	**4.9060**	**25.2172**	**49.5570**	**0.2481**	**23.8512**	**0.2609**	**24.1121**	**6.4329**	**0.2470**	**6.6799**	**0.0000**	**23,258.3416**	**23,258.3416**	**0.3687**	**1.8330**	**23,813.8026**

3.4 Building Construction - 2029

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

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

3.4 Building Construction - 2029

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	0.6980	22.5571	8.9392	0.1077	4.3452	0.1911	4.5363	1.2536	0.1828	1.4364	0.0000	10,377.2131	10,377.2131	0.1424	1.5179	10,833.1000
Worker	3.9852	2.3872	38.8669	0.1360	19.5977	0.0651	19.6628	5.2040	0.0599	5.2639	0.0000	12,473.3871	12,473.3871	0.2136	0.2791	12,561.8907
Total	**4.6832**	**24.9443**	**47.8060**	**0.2437**	**23.9429**	**0.2562**	**24.1991**	**6.4576**	**0.2427**	**6.7003**	**0.0000**	**22,850.6002**	**22,850.6002**	**0.3561**	**1.7969**	**23,394.9908**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

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

3.4 Building Construction - 2029

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	0.6980	22.5571	8.9392	0.1077	4.3452	0.1911	4.5363	1.2536	0.1828	1.4364	0.0000	10,377.2131	10,377.2131	0.1424	1.5179	10,833.1000
Worker	3.9852	2.3872	38.8669	0.1360	19.5977	0.0651	19.6628	5.2040	0.0599	5.2639	0.0000	12,473.3871	12,473.3871	0.2136	0.2791	12,561.8907
Total	**4.6832**	**24.9443**	**47.8060**	**0.2437**	**23.9429**	**0.2562**	**24.1991**	**6.4576**	**0.2427**	**6.7003**	**0.0000**	**22,850.6002**	**22,850.6002**	**0.3561**	**1.7969**	**23,394.9908**

3.4 Building Construction - 2030

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0336**	**343.0336**	**0.0138**	**0.0000**	**343.3777**

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

3.4 Building Construction - 2030

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	0.6945	22.3959	8.9109	0.1057	4.3452	0.1901	4.5353	1.2536	0.1819	1.4355	0.0000	10,195.0787	10,195.0787	0.1464	1.4887	10,642.3805
Worker	3.7641	2.2177	37.2384	0.1331	19.5977	0.0607	19.6584	5.2040	0.0559	5.2599	0.0000	12,205.3169	12,205.3169	0.1977	0.2689	12,290.3816
Total	**4.4586**	**24.6136**	**46.1493**	**0.2388**	**23.9429**	**0.2508**	**24.1937**	**6.4576**	**0.2377**	**6.6953**	**0.0000**	**22,400.3956**	**22,400.3956**	**0.3440**	**1.7576**	**22,932.7621**

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0332**	**343.0332**	**0.0138**	**0.0000**	**343.3773**

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

3.4 Building Construction - 2030

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	0.6945	22.3959	8.9109	0.1057	4.3452	0.1901	4.5353	1.2536	0.1819	1.4355	0.0000	10,195.0787	10,195.0787	0.1464	1.4887	10,642.3805
Worker	3.7641	2.2177	37.2384	0.1331	19.5977	0.0607	19.6584	5.2040	0.0559	5.2599	0.0000	12,205.3169	12,205.3169	0.1977	0.2689	12,290.3816
Total	**4.4586**	**24.6136**	**46.1493**	**0.2388**	**23.9429**	**0.2508**	**24.1937**	**6.4576**	**0.2377**	**6.6953**	**0.0000**	**22,400.3956**	**22,400.3956**	**0.3440**	**1.7576**	**22,932.7621**

3.4 Building Construction - 2031

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0336**	**343.0336**	**0.0138**	**0.0000**	**343.3777**

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

3.4 Building Construction - 2031

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	0.6916	22.4012	8.9200	0.1039	4.3451	0.1833	4.5284	1.2536	0.1753	1.4289	0.0000	10,019.9441	10,019.9441	0.1501	1.4610	10,459.0637
Worker	3.5514	2.0696	36.1717	0.1308	19.5977	0.0576	19.6552	5.2040	0.0530	5.2569	0.0000	11,991.7651	11,991.7651	0.1845	0.2604	12,073.9846
Total	**4.2430**	**24.4708**	**45.0916**	**0.2347**	**23.9428**	**0.2408**	**24.1837**	**6.4576**	**0.2283**	**6.6859**	**0.0000**	**22,011.7092**	**22,011.7092**	**0.3346**	**1.7214**	**22,533.0483**

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0332**	**343.0332**	**0.0138**	**0.0000**	**343.3773**

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

3.4 Building Construction - 2031

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	0.6916	22.4012	8.9200	0.1039	4.3451	0.1833	4.5284	1.2536	0.1753	1.4289	0.0000	10,019.9441	10,019.9441	0.1501	1.4610	10,459.0637
Worker	3.5514	2.0696	36.1717	0.1308	19.5977	0.0576	19.6552	5.2040	0.0530	5.2569	0.0000	11,991.7651	11,991.7651	0.1845	0.2604	12,073.9846
Total	**4.2430**	**24.4708**	**45.0916**	**0.2347**	**23.9428**	**0.2408**	**24.1837**	**6.4576**	**0.2283**	**6.6859**	**0.0000**	**22,011.7092**	**22,011.7092**	**0.3346**	**1.7214**	**22,533.0483**

3.4 Building Construction - 2032

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	0.1519	0.9204	1.8742	3.5900e-003		0.0172	0.0172		0.0172	0.0172	0.0000	304.9188	304.9188	0.0122	0.0000	305.2246
Total	**0.1519**	**0.9204**	**1.8742**	**3.5900e-003**		**0.0172**	**0.0172**		**0.0172**	**0.0172**	**0.0000**	**304.9188**	**304.9188**	**0.0122**	**0.0000**	**305.2246**

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

3.4 Building Construction - 2032

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	0.6144	19.7989	7.9350	0.0910	3.8623	0.1623	4.0246	1.1143	0.1552	1.2695	0.0000	8,777.0781	8,777.0781	0.1365	1.2781	9,161.3545
Worker	2.9846	1.7275	31.0332	0.1142	17.4202	0.0479	17.4681	4.6257	0.0441	4.6698	0.0000	10,473.7907	10,473.7907	0.1529	0.2250	10,544.6493
Total	**3.5990**	**21.5264**	**38.9681**	**0.2052**	**21.2825**	**0.2102**	**21.4926**	**5.7401**	**0.1993**	**5.9394**	**0.0000**	**19,250.8688**	**19,250.8688**	**0.2893**	**1.5030**	**19,706.0038**

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	0.1519	0.9204	1.8742	3.5900e-003		0.0172	0.0172		0.0172	0.0172	0.0000	304.9184	304.9184	0.0122	0.0000	305.2242
Total	**0.1519**	**0.9204**	**1.8742**	**3.5900e-003**		**0.0172**	**0.0172**		**0.0172**	**0.0172**	**0.0000**	**304.9184**	**304.9184**	**0.0122**	**0.0000**	**305.2242**

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

3.4 Building Construction - 2032

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	0.6144	19.7989	7.9350	0.0910	3.8623	0.1623	4.0246	1.1143	0.1552	1.2695	0.0000	8,777.0781	8,777.0781	0.1365	1.2781	9,161.3545
Worker	2.9846	1.7275	31.0332	0.1142	17.4202	0.0479	17.4681	4.6257	0.0441	4.6698	0.0000	10,473.7907	10,473.7907	0.1529	0.2250	10,544.6493
Total	**3.5990**	**21.5264**	**38.9681**	**0.2052**	**21.2825**	**0.2102**	**21.4926**	**5.7401**	**0.1993**	**5.9394**	**0.0000**	**19,250.8688**	**19,250.8688**	**0.2893**	**1.5030**	**19,706.0038**

3.5 Paving - 2032

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	0.0208	0.1068	0.2377	4.2000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003	0.0000	36.1493	36.1493	1.6900e-003	0.0000	36.1916
Paving	5.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0261**	**0.1068**	**0.2377**	**4.2000e-004**		**4.9600e-003**	**4.9600e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**36.1493**	**36.1493**	**1.6900e-003**	**0.0000**	**36.1916**

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

3.5 Paving - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	2.5000e-004	4.4100e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.6000e-004	0.0000	1.4869	1.4869	2.0000e-005	3.0000e-005	1.4970
Total	**4.2000e-004**	**2.5000e-004**	**4.4100e-003**	**2.0000e-005**	**2.4700e-003**	**1.0000e-005**	**2.4800e-003**	**6.6000e-004**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**1.4869**	**1.4869**	**2.0000e-005**	**3.0000e-005**	**1.4970**

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	0.0208	0.1068	0.2377	4.2000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003	0.0000	36.1492	36.1492	1.6900e-003	0.0000	36.1916
Paving	5.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0261**	**0.1068**	**0.2377**	**4.2000e-004**		**4.9600e-003**	**4.9600e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**36.1492**	**36.1492**	**1.6900e-003**	**0.0000**	**36.1916**

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

3.5 Paving - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	2.5000e-004	4.4100e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.6000e-004	0.0000	1.4869	1.4869	2.0000e-005	3.0000e-005	1.4970
Total	**4.2000e-004**	**2.5000e-004**	**4.4100e-003**	**2.0000e-005**	**2.4700e-003**	**1.0000e-005**	**2.4800e-003**	**6.6000e-004**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**1.4869**	**1.4869**	**2.0000e-005**	**3.0000e-005**	**1.4970**

3.5 Paving - 2033

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	0.0796	0.4094	0.9114	1.6100e-003		0.0190	0.0190		0.0190	0.0190	0.0000	138.5722	138.5722	6.5000e-003	0.0000	138.7346
Paving	0.0204					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1000**	**0.4094**	**0.9114**	**1.6100e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**	**0.0000**	**138.5722**	**138.5722**	**6.5000e-003**	**0.0000**	**138.7346**

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

3.5 Paving - 2033

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	1.5400e-003	8.9000e-004	0.0164	6.0000e-005	9.4800e-003	2.0000e-005	9.5000e-003	2.5200e-003	2.0000e-005	2.5400e-003	0.0000	5.6111	5.6111	8.0000e-005	1.2000e-004	5.6486
Total	**1.5400e-003**	**8.9000e-004**	**0.0164**	**6.0000e-005**	**9.4800e-003**	**2.0000e-005**	**9.5000e-003**	**2.5200e-003**	**2.0000e-005**	**2.5400e-003**	**0.0000**	**5.6111**	**5.6111**	**8.0000e-005**	**1.2000e-004**	**5.6486**

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	0.0796	0.4094	0.9114	1.6100e-003		0.0190	0.0190		0.0190	0.0190	0.0000	138.5720	138.5720	6.5000e-003	0.0000	138.7345
Paving	0.0204					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1000**	**0.4094**	**0.9114**	**1.6100e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**	**0.0000**	**138.5720**	**138.5720**	**6.5000e-003**	**0.0000**	**138.7345**

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

3.5 Paving - 2033

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	1.5400e-003	8.9000e-004	0.0164	6.0000e-005	9.4800e-003	2.0000e-005	9.5000e-003	2.5200e-003	2.0000e-005	2.5400e-003	0.0000	5.6111	5.6111	8.0000e-005	1.2000e-004	5.6486
Total	**1.5400e-003**	**8.9000e-004**	**0.0164**	**6.0000e-005**	**9.4800e-003**	**2.0000e-005**	**9.5000e-003**	**2.5200e-003**	**2.0000e-005**	**2.5400e-003**	**0.0000**	**5.6111**	**5.6111**	**8.0000e-005**	**1.2000e-004**	**5.6486**

3.6 Architectural Coating - 2033

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	25.9310					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4800e-003	0.0621	0.1303	2.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	18.5111	18.5111	7.5000e-004	0.0000	18.5298
Total	**25.9405**	**0.0621**	**0.1303**	**2.2000e-004**		**1.4700e-003**	**1.4700e-003**		**1.4700e-003**	**1.4700e-003**	**0.0000**	**18.5111**	**18.5111**	**7.5000e-004**	**0.0000**	**18.5298**

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

3.6 Architectural Coating - 2033

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	0.3538	0.2043	3.7589	0.0141	2.1778	5.6200e-003	2.1835	0.5783	5.1700e-003	0.5835	0.0000	1,289.0384	1,289.0384	0.0179	0.0275	1,297.6653
Total	**0.3538**	**0.2043**	**3.7589**	**0.0141**	**2.1778**	**5.6200e-003**	**2.1835**	**0.5783**	**5.1700e-003**	**0.5835**	**0.0000**	**1,289.0384**	**1,289.0384**	**0.0179**	**0.0275**	**1,297.6653**

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	25.9310					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4800e-003	0.0621	0.1303	2.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	18.5111	18.5111	7.5000e-004	0.0000	18.5298
Total	**25.9405**	**0.0621**	**0.1303**	**2.2000e-004**		**1.4700e-003**	**1.4700e-003**		**1.4700e-003**	**1.4700e-003**	**0.0000**	**18.5111**	**18.5111**	**7.5000e-004**	**0.0000**	**18.5298**

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

3.6 Architectural Coating - 2033

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	0.3538	0.2043	3.7589	0.0141	2.1778	5.6200e-003	2.1835	0.5783	5.1700e-003	0.5835	0.0000	1,289.0384	1,289.0384	0.0179	0.0275	1,297.6653
Total	**0.3538**	**0.2043**	**3.7589**	**0.0141**	**2.1778**	**5.6200e-003**	**2.1835**	**0.5783**	**5.1700e-003**	**0.5835**	**0.0000**	**1,289.0384**	**1,289.0384**	**0.0179**	**0.0275**	**1,297.6653**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	11.0917	23.2169	125.2923	0.3645	46.6657	0.2787	46.9444	12.4763	0.2627	12.7390	0.0000	33,847.5453	33,847.5453	1.3766	1.8783	34,441.6985
Unmitigated	11.0917	23.2169	125.2923	0.3645	46.6657	0.2787	46.9444	12.4763	0.2627	12.7390	0.0000	33,847.5453	33,847.5453	1.3766	1.8783	34,441.6985

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	14.35	36.06	40.30	60,889	60,889
Condo/Townhouse High Rise	7,459.08	7,459.08	7459.08	25,488,810	25,488,810
Elementary School	1,745.26	0.00	0.00	4,296,319	4,296,319
General Heavy Industry	5,409.24	5,409.24	5409.24	23,953,622	23,953,622
General Heavy Industry	129.93	129.93	129.93	575,366	575,366
Office Park	17,788.56	5,858.08	2714.72	47,067,308	47,067,308
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	6,353.12	6,420.42	5754.15	21,450,034	21,450,034
Single Family Housing	47.20	47.70	42.75	159,361	159,361
Total	38,946.75	25,360.52	21,550.17	123,051,708	123,051,708

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Office Park	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Condo/Townhouse High Rise	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Elementary School	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
General Heavy Industry	0.485700	0.054300	0.165200	0.116500	0.025800	0.006900	0.043500	0.102100	0.000000	0.000000	0.000000	0.000000	0.000000
Office Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Non-Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Single Family Housing	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Rio Vista Specific Plan - Riverside-South Coast County, 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	13,089.6697	13,089.6697	1.1048	0.1339	13,157.1971
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	13,089.6697	13,089.6697	1.1048	0.1339	13,157.1971
NaturalGas Mitigated	0.7188	6.4351	4.7593	0.0392		0.4966	0.4966		0.4966	0.4966	0.0000	7,113.6711	7,113.6711	0.1364	0.1304	7,155.9441
NaturalGas Unmitigated	0.7188	6.4351	4.7593	0.0392		0.4966	0.4966		0.4966	0.4966	0.0000	7,113.6711	7,113.6711	0.1364	0.1304	7,155.9441

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					
City Park	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
Condo/Townhouse High Rise	1.46554e+007	0.0790	0.6753	0.2874	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.0696	782.0696	0.0150	0.0143	786.7171
Elementary School	5.07239e+006	0.0274	0.2487	0.2089	1.4900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	270.6819	270.6819	5.1900e-003	4.9600e-003	272.2905
General Heavy Industry	1.97213e+006	0.0106	0.0967	0.0812	5.8000e-004		7.3500e-003	7.3500e-003		7.3500e-003	7.3500e-003	0.0000	105.2404	105.2404	2.0200e-003	1.9300e-003	105.8658
General Heavy Industry	8.21036e+007	0.4427	4.0247	3.3807	0.0242		0.3059	0.3059		0.3059	0.3059	0.0000	4,381.3601	4,381.3601	0.0840	0.0803	4,407.3963
Office Park	1.03231e+007	0.0557	0.5060	0.4251	3.0400e-003		0.0385	0.0385		0.0385	0.0385	0.0000	550.8789	550.8789	0.0106	0.0101	554.1525
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.90371e+007	0.1027	0.8772	0.3733	5.6000e-003		0.0709	0.0709		0.0709	0.0709	0.0000	1,015.8927	1,015.8927	0.0195	0.0186	1,021.9297
Single Family Housing	141435	7.6000e-004	6.5200e-003	2.7700e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.5475	7.5475	1.4000e-004	1.4000e-004	7.5924
Total		**0.7188**	**6.4351**	**4.7593**	**0.0392**		**0.4966**	**0.4966**		**0.4966**	**0.4966**	**0.0000**	**7,113.6711**	**7,113.6711**	**0.1364**	**0.1304**	**7,155.9441**

Rio Vista Specific Plan - Riverside-South Coast County, 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					
City Park	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
Condo/Townhouse High Rise	1.46554e+007	0.0790	0.6753	0.2874	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.0696	782.0696	0.0150	0.0143	786.7171
Elementary School	5.07239e+006	0.0274	0.2487	0.2089	1.4900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	270.6819	270.6819	5.1900e-003	4.9600e-003	272.2905
General Heavy Industry	1.97213e+006	0.0106	0.0967	0.0812	5.8000e-004		7.3500e-003	7.3500e-003		7.3500e-003	7.3500e-003	0.0000	105.2404	105.2404	2.0200e-003	1.9300e-003	105.8658
General Heavy Industry	8.21036e+007	0.4427	4.0247	3.3807	0.0242		0.3059	0.3059		0.3059	0.3059	0.0000	4,381.3601	4,381.3601	0.0840	0.0803	4,407.3963
Office Park	1.03231e+007	0.0557	0.5060	0.4251	3.0400e-003		0.0385	0.0385		0.0385	0.0385	0.0000	550.8789	550.8789	0.0106	0.0101	554.1525
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.90371e+007	0.1027	0.8772	0.3733	5.6000e-003		0.0709	0.0709		0.0709	0.0709	0.0000	1,015.8927	1,015.8927	0.0195	0.0186	1,021.9297
Single Family Housing	141435	7.6000e-004	6.5200e-003	2.7700e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.5475	7.5475	1.4000e-004	1.4000e-004	7.5924
Total		**0.7188**	**6.4351**	**4.7593**	**0.0392**		**0.4966**	**0.4966**		**0.4966**	**0.4966**	**0.0000**	**7,113.6711**	**7,113.6711**	**0.1364**	**0.1304**	**7,155.9441**

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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.29984e+006	762.5581	0.0644	7.8000e-003	766.4920
Elementary School	4.09177e+006	725.6563	0.0613	7.4200e-003	729.3998
General Heavy Industry	2.51923e+007	4,467.7450	0.3771	0.0457	4,490.7934
General Heavy Industry	605120	107.3153	9.0600e-003	1.1000e-003	107.8690
Office Park	3.42198e+007	6,068.7220	0.5122	0.0621	6,100.0295
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	39823.3	7.0625	6.0000e-004	7.0000e-005	7.0989
Single Family Housing	5.36022e+006	950.6105	0.0802	9.7300e-003	955.5145
Total		**13,089.6697**	**1.1048**	**0.1339**	**13,157.1971**

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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.29984e+006	762.5581	0.0644	7.8000e-003	766.4920
Elementary School	4.09177e+006	725.6563	0.0613	7.4200e-003	729.3998
General Heavy Industry	2.51923e+007	4,467.7450	0.3771	0.0457	4,490.7934
General Heavy Industry	605120	107.3153	9.0600e-003	1.1000e-003	107.8690
Office Park	3.42198e+007	6,068.7220	0.5122	0.0621	6,100.0295
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	39823.3	7.0625	6.0000e-004	7.0000e-005	7.0989
Single Family Housing	5.36022e+006	950.6105	0.0802	9.7300e-003	955.5145
Total		**13,089.6697**	**1.1048**	**0.1339**	**13,157.1971**

6.0 Area Detail

6.1 Mitigation Measures Area

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	37.1558	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610
Unmitigated	37.1558	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610

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	2.5931					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	34.0322					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	0.5306	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610
Total	**37.1558**	**0.2021**	**17.5472**	**9.3000e-004**		**0.0974**	**0.0974**		**0.0974**	**0.0974**	**0.0000**	**28.7684**	**28.7684**	**0.0277**	**0.0000**	**29.4610**

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	2.5931					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	34.0322					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	0.5306	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610
Total	**37.1558**	**0.2021**	**17.5472**	**9.3000e-004**		**0.0974**	**0.0974**		**0.0974**	**0.0974**	**0.0000**	**28.7684**	**28.7684**	**0.0277**	**0.0000**	**29.4610**

7.0 Water Detail

7.1 Mitigation Measures Water

Rio Vista Specific Plan - Riverside-South Coast County, 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	4,614.7642	44.7903	1.0921	6,059.9510
Unmitigated	4,614.7642	44.7903	1.0921	6,059.9510

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			
City Park	0 / 21.9233	43.1956	3.6500e-003	4.4000e-004	43.4184
Condo/Townhouse High Rise	66.392 / 41.8558	256.8453	2.1833	0.0535	327.3688
Elementary School	16.9255 / 43.5227	130.2075	0.5621	0.0143	148.5202
General Heavy Industry	601.377 / 0	1,579.4993	19.7131	0.4769	2,214.4455
Office Park	634.865 / 389.111	2,434.1223	20.8755	0.5113	3,108.3807
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	44.1744 / 27.8491	170.8942	1.4527	0.0356	217.8175
Total		**4,614.7642**	**44.7903**	**1.0920**	**6,059.9510**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 21.9233	43.1956	3.6500e-003	4.4000e-004	43.4184
Condo/Townhouse High Rise	66.392 / 41.8558	256.8453	2.1833	0.0535	327.3688
Elementary School	16.9255 / 43.5227	130.2075	0.5621	0.0143	148.5202
General Heavy Industry	601.377 / 0	1,579.4993	19.7131	0.4769	2,214.4455
Office Park	634.865 / 389.111	2,434.1223	20.8755	0.5113	3,108.3807
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	44.1744 / 27.8491	170.8942	1.4527	0.0356	217.8175
Total		**4,614.7642**	**44.7903**	**1.0920**	**6,059.9510**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Rio Vista Specific Plan - Riverside-South Coast County, 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	1,739.7868	102.8185	0.0000	4,310.2482
Unmitigated	1,739.7868	102.8185	0.0000	4,310.2482

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			
City Park	1.58	0.3207	0.0190	0.0000	0.7946
Condo/Townhouse High Rise	468.74	95.1500	5.6232	0.0000	235.7301
Elementary School	758.81	154.0316	9.1030	0.0000	381.6067
General Heavy Industry	3224.68	654.5809	38.6846	0.0000	1,621.6965
Office Park	3321.96	674.3279	39.8516	0.0000	1,670.6187
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	794.99	161.3758	9.5370	0.0000	399.8017
Total		**1,739.7868**	**102.8185**	**0.0000**	**4,310.2482**

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			
City Park	1.58	0.3207	0.0190	0.0000	0.7946
Condo/Townhouse High Rise	468.74	95.1500	5.6232	0.0000	235.7301
Elementary School	758.81	154.0316	9.1030	0.0000	381.6067
General Heavy Industry	3224.68	654.5809	38.6846	0.0000	1,621.6965
Office Park	3321.96	674.3279	39.8516	0.0000	1,670.6187
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	794.99	161.3758	9.5370	0.0000	399.8017
Total		**1,739.7868**	**102.8185**	**0.0000**	**4,310.2482**

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

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

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

Rio Vista Specific Plan - Riverside-South Coast County, Summer

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

Rio Vista Specific Plan

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	3,572.00	1000sqft	82.00	3,572,000.00	0
Elementary School	583.70	1000sqft	13.40	583,704.00	0
General Heavy Industry	2,539.55	1000sqft	58.30	2,539,548.00	0
General Heavy Industry	61.00	1000sqft	1.40	61,000.00	0
Other Asphalt Surfaces	19.60	Acre	19.60	853,776.00	0
Other Non-Asphalt Surfaces	519.80	Acre	519.80	22,642,488.00	0
City Park	18.40	Acre	18.40	801,504.00	0
Condo/Townhouse High Rise	1,019.00	Dwelling Unit	80.30	1,019,000.00	2914
Single Family Housing	673.00	Dwelling Unit	117.70	1,211,400.00	1925
Single Family Housing	5.00	Dwelling Unit	6.40	9,000.00	14

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2034
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 -

Land Use - 917.3 acre Specific Plan with a mixture of residential, commercial, and industrial uses

Construction Phase - Construction to begin January 1, 2034, and occur over 10 years

Rio Vista Specific Plan - Riverside-South Coast County, Summer

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

Grading -

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - Per Traffic Impact Analysis, the project will generate 38,106 trips

Woodstoves - No hearths

Area Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Fleet Mix - Industrial fleet mix per trip generation analysis

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	1,100.00	145.00
tblConstructionPhase	NumDays	15,500.00	2,035.00
tblConstructionPhase	NumDays	1,550.00	205.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblConstructionPhase	NumDays	600.00	80.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	866.15	0.00
tblFireplaces	NumberGas	576.30	0.00
tblFireplaces	NumberNoFireplace	101.90	0.00
tblFireplaces	NumberNoFireplace	67.80	0.00
tblFireplaces	NumberWood	50.95	0.00

Rio Vista Specific Plan - Riverside-South Coast County, Summer

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

tblFireplaces	NumberWood	33.90	0.00
tblFleetMix	HHD	0.02	0.10
tblFleetMix	LDA	0.55	0.49
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT2	0.18	0.17
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.3850e-003	6.9000e-003
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.12
tblFleetMix	MH	3.3760e-003	0.00
tblFleetMix	MHD	0.01	0.04
tblFleetMix	OBUS	5.8700e-004	0.00
tblFleetMix	SBUS	1.0400e-003	0.00
tblFleetMix	UBUS	2.6400e-004	0.00
tblLandUse	LandUseSquareFeet	583,700.00	583,704.00
tblLandUse	LandUseSquareFeet	2,539,550.00	2,539,548.00
tblLandUse	LotAcreage	15.92	80.30
tblLandUse	LotAcreage	1.62	6.40
tblLandUse	LotAcreage	218.51	117.70
tblVehicleTrips	ST_TR	4.91	7.32
tblVehicleTrips	ST_TR	6.42	2.13
tblVehicleTrips	SU_TR	4.09	7.32
tblVehicleTrips	SU_TR	5.09	2.13
tblVehicleTrips	WD_TR	5.44	7.32
tblVehicleTrips	WD_TR	19.52	2.99
tblVehicleTrips	WD_TR	3.93	2.13
tblVehicleTrips	WD_TR	11.07	4.98
tblWoodstoves	NumberCatalytic	50.95	0.00
tblWoodstoves	NumberCatalytic	33.90	0.00

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

tblWoodstoves	NumberNoncatalytic	50.95	0.00
tblWoodstoves	NumberNoncatalytic	33.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Rio Vista Specific Plan - Riverside-South Coast County, 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					
2024	3.2862	32.4172	28.4068	0.0640	19.8582	1.3364	21.0885	10.1558	1.2295	11.2876	0.0000	6,202.1700	6,202.1700	1.9478	4.3600e-003	6,252.1650
2025	50.5748	207.8844	519.9533	2.1733	186.4796	2.6649	189.1445	50.2224	2.5175	52.7399	0.0000	223,982.8366	223,982.8366	4.2326	16.6880	229,061.6660
2026	47.8540	203.8362	491.8260	2.1175	186.4790	2.6241	189.1031	50.2222	2.4796	52.7018	0.0000	218,293.7041	218,293.7041	4.0303	16.2440	223,235.1676
2027	45.3744	200.1427	467.7412	2.0651	186.4785	2.5783	189.0568	50.2220	2.4371	52.6591	0.0000	212,938.2719	212,938.2719	3.8564	15.8177	217,748.3638
2028	43.1582	197.1212	447.7183	2.0174	186.4781	2.5325	189.0106	50.2219	2.3947	52.6166	0.0000	208,069.5744	208,069.5744	3.7155	15.4239	212,758.7872
2029	41.0513	194.4531	430.3157	1.9744	186.4778	2.4886	188.9664	50.2218	2.3540	52.5758	0.0000	203,665.7837	203,665.7837	3.5953	15.0645	208,244.8821
2030	39.0358	187.5324	415.5493	1.9395	186.4776	2.0685	188.5461	50.2217	1.9682	52.1899	0.0000	200,025.9998	200,025.9998	3.0083	14.7364	204,492.6494
2031	37.1591	186.5051	406.3396	1.9062	186.4773	1.9918	188.4691	50.2215	1.8957	52.1173	0.0000	196,610.2721	196,610.2721	2.9297	14.4342	200,984.9069
2032	35.4641	184.6731	395.0979	1.8756	186.4770	1.9582	188.4352	50.2214	1.8646	52.0861	0.0000	193,479.4444	193,479.4444	2.8523	14.1797	197,776.2939
2033	363.2268	7.1348	62.1836	0.2119	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	21,403.9483	21,403.9483	0.2791	0.4011	21,530.4438
Maximum	**363.2268**	**207.8844**	**519.9533**	**2.1733**	**186.4796**	**2.6649**	**189.1445**	**50.2224**	**2.5175**	**52.7399**	**0.0000**	**223,982.8366**	**223,982.8366**	**4.2326**	**16.6880**	**229,061.6660**

Rio Vista Specific Plan - Riverside-South Coast County, 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)

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					
2024	3.2862	32.4172	28.4068	0.0640	7.8674	1.3364	9.0977	3.9933	1.2295	5.1251	0.0000	6,202.1700	6,202.1700	1.9478	4.3600e-003	6,252.1650
2025	50.5748	207.8844	519.9533	2.1733	186.4796	2.6649	189.1445	50.2224	2.5175	52.7399	0.0000	223,982.8366	223,982.8366	4.2326	16.6880	229,061.6660
2026	47.8540	203.8362	491.8260	2.1175	186.4790	2.6241	189.1031	50.2222	2.4796	52.7018	0.0000	218,293.7041	218,293.7041	4.0303	16.2440	223,235.1676
2027	45.3744	200.1427	467.7412	2.0651	186.4785	2.5783	189.0568	50.2220	2.4371	52.6591	0.0000	212,938.2719	212,938.2719	3.8564	15.8177	217,748.3638
2028	43.1582	197.1212	447.7183	2.0174	186.4781	2.5325	189.0106	50.2219	2.3947	52.6166	0.0000	208,069.5744	208,069.5744	3.7155	15.4239	212,758.7872
2029	41.0513	194.4531	430.3157	1.9744	186.4778	2.4886	188.9664	50.2218	2.3540	52.5758	0.0000	203,665.7837	203,665.7837	3.5953	15.0645	208,244.8821
2030	39.0358	187.5324	415.5493	1.9395	186.4776	2.0685	188.5461	50.2217	1.9682	52.1899	0.0000	200,025.9998	200,025.9998	3.0083	14.7364	204,492.6494
2031	37.1591	186.5051	406.3396	1.9062	186.4773	1.9918	188.4691	50.2215	1.8957	52.1173	0.0000	196,610.2721	196,610.2721	2.9297	14.4342	200,984.9069
2032	35.4641	184.6731	395.0979	1.8756	186.4770	1.9582	188.4352	50.2214	1.8646	52.0861	0.0000	193,479.4444	193,479.4444	2.8523	14.1797	197,776.2939
2033	363.2268	7.1348	62.1836	0.2119	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	21,403.9483	21,403.9483	0.2791	0.4011	21,530.4438
Maximum	**363.2268**	**207.8844**	**519.9533**	**2.1733**	**186.4796**	**2.6649**	**189.1445**	**50.2224**	**2.5175**	**52.7399**	**0.0000**	**223,982.8366**	**223,982.8366**	**4.2326**	**16.6880**	**229,061.6660**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.78**	**0.00**	**0.77**	**1.47**	**0.00**	**1.40**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	81.1847	131.4115	854.4157	2.3623	292.9723	1.6826	294.6550	78.2088	1.5853	79.7942		241,584.2316	241,584.2316	9.3525	12.2684	245,474.0247
Total	**290.0542**	**168.2885**	**1,020.8716**	**2.5846**	**292.9723**	**5.1829**	**298.1553**	**78.2088**	**5.0856**	**83.2945**	**0.0000**	**284,804.9396**	**284,804.9396**	**10.4204**	**13.0561**	**288,956.1719**

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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	81.1847	131.4115	854.4157	2.3623	292.9723	1.6826	294.6550	78.2088	1.5853	79.7942		241,584.2316	241,584.2316	9.3525	12.2684	245,474.0247
Total	**290.0542**	**168.2885**	**1,020.8716**	**2.5846**	**292.9723**	**5.1829**	**298.1553**	**78.2088**	**5.0856**	**83.2945**	**0.0000**	**284,804.9396**	**284,804.9396**	**10.4204**	**13.0561**	**288,956.1719**

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	N20	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	1/1/2024	4/19/2024	5	80	
2	Grading	Grading	4/20/2024	1/31/2025	5	205	
3	Building Construction	Building Construction	2/1/2025	11/19/2032	5	2035	
4	Paving	Paving	11/20/2032	6/10/2033	5	145	
5	Architectural Coating	Architectural Coating	6/11/2033	12/30/2033	5	145	

Acres of Grading (Site Preparation Phase): 120

Acres of Grading (Grading Phase): 615

Acres of Paving: 539.4

Residential Indoor: 4,534,785; Residential Outdoor: 1,511,595; Non-Residential Indoor: 10,134,380; Non-Residential Outdoor: 3,378,127; Striped Parking Area: 1,409,776 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

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

Grading	Tractors/Loaders/Backhoes	2	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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13,663.00	5,271.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2,733.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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

3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
Total	**0.0613**	**0.0362**	**0.6156**	**1.7100e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**173.1792**	**173.1792**	**3.7500e-003**	**3.9200e-003**	**174.4420**

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

3.2 Site Preparation - 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					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**7.6662**	**1.2294**	**8.8956**	**3.9400**	**1.1310**	**5.0710**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
Total	**0.0613**	**0.0362**	**0.6156**	**1.7100e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**173.1792**	**173.1792**	**3.7500e-003**	**3.9200e-003**	**174.4420**

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

3.3 Grading - 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					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**9.2036**	**1.3354**	**10.5390**	**3.6538**	**1.2286**	**4.8823**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	**0.0681**	**0.0402**	**0.6840**	**1.9000e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**192.4214**	**192.4214**	**4.1600e-003**	**4.3600e-003**	**193.8244**

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**3.5894**	**1.3354**	**4.9248**	**1.4250**	**1.2286**	**2.6535**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	**0.0681**	**0.0402**	**0.6840**	**1.9000e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**192.4214**	**192.4214**	**4.1600e-003**	**4.3600e-003**	**193.8244**

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

3.3 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0636	0.0360	0.6361	1.8400e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		185.8596	185.8596	3.7500e-003	4.0700e-003	187.1656
Total	**0.0636**	**0.0360**	**0.6361**	**1.8400e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**185.8596**	**185.8596**	**3.7500e-003**	**4.0700e-003**	**187.1656**

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.5894**	**1.1309**	**4.7203**	**1.4250**	**1.0404**	**2.4654**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0636	0.0360	0.6361	1.8400e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		185.8596	185.8596	3.7500e-003	4.0700e-003	187.1656
Total	**0.0636**	**0.0360**	**0.6361**	**1.8400e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**185.8596**	**185.8596**	**3.7500e-003**	**4.0700e-003**	**187.1656**

Rio Vista Specific Plan - Riverside-South Coast County, 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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7710	170.8045	69.3020	0.8901	33.7594	1.4909	35.2503	9.7203	1.4262	11.1465		94,456.3701	94,456.3701	1.0690	13.9090	98,627.9625
Worker	43.4364	24.6103	434.5666	1.2562	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		126,969.9922	126,969.9922	2.5627	2.7790	127,862.2055
Total	**49.2074**	**195.4147**	**503.8686**	**2.1463**	**186.4796**	**2.1374**	**188.6169**	**50.2224**	**2.0213**	**52.2436**		**221,426.3623**	**221,426.3623**	**3.6317**	**16.6880**	**226,490.1680**

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7710	170.8045	69.3020	0.8901	33.7594	1.4909	35.2503	9.7203	1.4262	11.1465		94,456.3701	94,456.3701	1.0690	13.9090	98,627.9625
Worker	43.4364	24.6103	434.5666	1.2562	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		126,969.9922	126,969.9922	2.5627	2.7790	127,862.2055
Total	**49.2074**	**195.4147**	**503.8686**	**2.1463**	**186.4796**	**2.1374**	**188.6169**	**50.2224**	**2.0213**	**52.2436**		**221,426.3623**	**221,426.3623**	**3.6317**	**16.6880**	**226,490.1680**

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7015	169.0939	68.6384	0.8736	33.7589	1.4846	35.2434	9.7201	1.4202	11.1402		92,737.8316	92,737.8316	1.1068	13.6294	96,827.0730
Worker	40.7851	22.2726	407.1030	1.2169	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		122,999.3981	122,999.3981	2.3225	2.6146	123,836.5965
Total	**46.4866**	**191.3665**	**475.7413**	**2.0905**	**186.4790**	**2.0965**	**188.5755**	**50.2222**	**1.9834**	**52.2055**		**215,737.2297**	**215,737.2297**	**3.4294**	**16.2440**	**220,663.6695**

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

3.4 Building Construction - 2026

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7015	169.0939	68.6384	0.8736	33.7589	1.4846	35.2434	9.7201	1.4202	11.1402		92,737.8316	92,737.8316	1.1068	13.6294	96,827.0730
Worker	40.7851	22.2726	407.1030	1.2169	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		122,999.3981	122,999.3981	2.3225	2.6146	123,836.5965
Total	**46.4866**	**191.3665**	**475.7413**	**2.0905**	**186.4790**	**2.0965**	**188.5755**	**50.2222**	**1.9834**	**52.2055**		**215,737.2297**	**215,737.2297**	**3.4294**	**16.2440**	**220,663.6695**

Rio Vista Specific Plan - Riverside-South Coast County, Summer

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.6421	167.3757	68.0973	0.8563	33.7584	1.4765	35.2349	9.7199	1.4124	11.1323		90,929.9902	90,929.9902	1.1403	13.3413	94,934.1995
Worker	38.3649	20.2974	383.5593	1.1818	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		119,451.8073	119,451.8073	2.1152	2.4764	120,242.6663
Total	**44.0070**	**187.6730**	**451.6565**	**2.0381**	**186.4785**	**2.0507**	**188.5292**	**50.2220**	**1.9409**	**52.1629**		**210,381.7975**	**210,381.7975**	**3.2554**	**15.8177**	**215,176.8658**

Rio Vista Specific Plan - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2027

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.6421	167.3757	68.0973	0.8563	33.7584	1.4765	35.2349	9.7199	1.4124	11.1323		90,929.9902	90,929.9902	1.1403	13.3413	94,934.1995
Worker	38.3649	20.2974	383.5593	1.1818	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		119,451.8073	119,451.8073	2.1152	2.4764	120,242.6663
Total	**44.0070**	**187.6730**	**451.6565**	**2.0381**	**186.4785**	**2.0507**	**188.5292**	**50.2220**	**1.9409**	**52.1629**		**210,381.7975**	**210,381.7975**	**3.2554**	**15.8177**	**215,176.8658**

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

3.4 Building Construction - 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5984	166.0068	67.7193	0.8397	33.7580	1.4696	35.2276	9.7197	1.4059	11.1256		89,194.3575	89,194.3575	1.1761	13.0625	93,116.3913
Worker	36.1924	18.6448	363.9143	1.1508	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		116,318.7425	116,318.7425	1.9385	2.3614	117,070.8978
Total	**41.7908**	**184.6515**	**431.6336**	**1.9905**	**186.4781**	**2.0049**	**188.4831**	**50.2219**	**1.8985**	**52.1203**		**205,513.1000**	**205,513.1000**	**3.1146**	**15.4239**	**210,187.2891**

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

3.4 Building Construction - 2028

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5984	166.0068	67.7193	0.8397	33.7580	1.4696	35.2276	9.7197	1.4059	11.1256		89,194.3575	89,194.3575	1.1761	13.0625	93,116.3913
Worker	36.1924	18.6448	363.9143	1.1508	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		116,318.7425	116,318.7425	1.9385	2.3614	117,070.8978
Total	**41.7908**	**184.6515**	**431.6336**	**1.9905**	**186.4781**	**2.0049**	**188.4831**	**50.2219**	**1.8985**	**52.1203**		**205,513.1000**	**205,513.1000**	**3.1146**	**15.4239**	**210,187.2891**

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

3.4 Building Construction - 2029

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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5621	164.7588	67.4215	0.8240	33.7577	1.4622	35.2199	9.7196	1.3988	11.1184		87,560.5247	87,560.5247	1.2109	12.8007	91,405.3948
Worker	34.1218	17.2247	346.8095	1.1234	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		113,548.7846	113,548.7846	1.7834	2.2638	114,267.9892
Total	**39.6839**	**181.9834**	**414.2310**	**1.9474**	**186.4778**	**1.9610**	**188.4389**	**50.2218**	**1.8578**	**52.0795**		**201,109.3094**	**201,109.3094**	**2.9943**	**15.0645**	**205,673.3840**

Rio Vista Specific Plan - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2029

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5621	164.7588	67.4215	0.8240	33.7577	1.4622	35.2199	9.7196	1.3988	11.1184		87,560.5247	87,560.5247	1.2109	12.8007	91,405.3948
Worker	34.1218	17.2247	346.8095	1.1234	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		113,548.7846	113,548.7846	1.7834	2.2638	114,267.9892
Total	**39.6839**	**181.9834**	**414.2310**	**1.9474**	**186.4778**	**1.9610**	**188.4389**	**50.2218**	**1.8578**	**52.0795**		**201,109.3094**	**201,109.3094**	**2.9943**	**15.0645**	**205,673.3840**

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5342	163.5882	67.2044	0.8093	33.7575	1.4550	35.2124	9.7196	1.3918	11.1114		86,023.5098	86,023.5098	1.2441	12.5549	89,795.9843
Worker	32.1924	16.0096	332.1880	1.0992	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		111,104.9433	111,104.9433	1.6479	2.1815	111,796.2122
Total	**37.7266**	**179.5978**	**399.3924**	**1.9085**	**186.4776**	**1.9204**	**188.3979**	**50.2217**	**1.8201**	**52.0417**		**197,128.4530**	**197,128.4530**	**2.8920**	**14.7364**	**201,592.1965**

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5342	163.5882	67.2044	0.8093	33.7575	1.4550	35.2124	9.7196	1.3918	11.1114		86,023.5098	86,023.5098	1.2441	12.5549	89,795.9843
Worker	32.1924	16.0096	332.1880	1.0992	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		111,104.9433	111,104.9433	1.6479	2.1815	111,796.2122
Total	**37.7266**	**179.5978**	**399.3924**	**1.9085**	**186.4776**	**1.9204**	**188.3979**	**50.2217**	**1.8201**	**52.0417**		**197,128.4530**	**197,128.4530**	**2.8920**	**14.7364**	**201,592.1965**

Rio Vista Specific Plan - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5105	163.6180	67.2718	0.7952	33.7571	1.4026	35.1598	9.7194	1.3418	11.0612		84,545.4219	84,545.4219	1.2755	12.3207	88,248.8780
Worker	30.3395	14.9524	322.9109	1.0800	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		109,167.3035	109,167.3035	1.5379	2.1135	109,835.5760
Total	**35.8500**	**178.5705**	**390.1826**	**1.8752**	**186.4773**	**1.8437**	**188.3209**	**50.2215**	**1.7476**	**51.9691**		**193,712.7254**	**193,712.7254**	**2.8134**	**14.4342**	**198,084.4540**

Rio Vista Specific Plan - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5105	163.6180	67.2718	0.7952	33.7571	1.4026	35.1598	9.7194	1.3418	11.0612		84,545.4219	84,545.4219	1.2755	12.3207	88,248.8780
Worker	30.3395	14.9524	322.9109	1.0800	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		109,167.3035	109,167.3035	1.5379	2.1135	109,835.5760
Total	**35.8500**	**178.5705**	**390.1826**	**1.8752**	**186.4773**	**1.8437**	**188.3209**	**50.2215**	**1.7476**	**51.9691**		**193,712.7254**	**193,712.7254**	**2.8134**	**14.4342**	**198,084.4540**

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5071	162.6907	67.3193	0.7834	33.7568	1.3971	35.1540	9.7193	1.3365	11.0558		83,315.5258	83,315.5258	1.3046	12.1255	86,961.5501
Worker	28.6479	14.0478	311.6217	1.0612	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		107,266.3719	107,266.3719	1.4315	2.0541	107,914.2910
Total	**34.1550**	**176.7384**	**378.9410**	**1.8446**	**186.4770**	**1.8101**	**188.2871**	**50.2214**	**1.7165**	**51.9379**		**190,581.8977**	**190,581.8977**	**2.7361**	**14.1797**	**194,875.8411**

Rio Vista Specific Plan - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5071	162.6907	67.3193	0.7834	33.7568	1.3971	35.1540	9.7193	1.3365	11.0558		83,315.5258	83,315.5258	1.3046	12.1255	86,961.5501
Worker	28.6479	14.0478	311.6217	1.0612	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		107,266.3719	107,266.3719	1.4315	2.0541	107,914.2910
Total	**34.1550**	**176.7384**	**378.9410**	**1.8446**	**186.4770**	**1.8101**	**188.2871**	**50.2214**	**1.7165**	**51.9379**		**190,581.8977**	**190,581.8977**	**2.7361**	**14.1797**	**194,875.8411**

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0315	0.0154	0.3421	1.1700e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		117.7630	117.7630	1.5700e-003	2.2600e-003	118.4743
Total	**0.0315**	**0.0154**	**0.3421**	**1.1700e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**117.7630**	**117.7630**	**1.5700e-003**	**2.2600e-003**	**118.4743**

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0315	0.0154	0.3421	1.1700e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		117.7630	117.7630	1.5700e-003	2.2600e-003	118.4743
Total	**0.0315**	**0.0154**	**0.3421**	**1.1700e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**117.7630**	**117.7630**	**1.5700e-003**	**2.2600e-003**	**118.4743**

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0298	0.0146	0.3314	1.1500e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		115.9303	115.9303	1.4700e-003	2.2000e-003	116.6230
Total	**0.0298**	**0.0146**	**0.3314**	**1.1500e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**115.9303**	**115.9303**	**1.4700e-003**	**2.2000e-003**	**116.6230**

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0298	0.0146	0.3314	1.1500e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		115.9303	115.9303	1.4700e-003	2.2000e-003	116.6230
Total	**0.0298**	**0.0146**	**0.3314**	**1.1500e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**115.9303**	**115.9303**	**1.4700e-003**	**2.2000e-003**	**116.6230**

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

3.6 Architectural Coating - 2033

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	357.6692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**357.7999**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.4269	2.6596	60.3859	0.2090	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		21,122.5002	21,122.5002	0.2677	0.4011	21,248.7110
Total	**5.4269**	**2.6596**	**60.3859**	**0.2090**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**21,122.5002**	**21,122.5002**	**0.2677**	**0.4011**	**21,248.7110**

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

3.6 Architectural Coating - 2033

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	357.6692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**357.7999**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.4269	2.6596	60.3859	0.2090	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		21,122.5002	21,122.5002	0.2677	0.4011	21,248.7110
Total	**5.4269**	**2.6596**	**60.3859**	**0.2090**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**21,122.5002**	**21,122.5002**	**0.2677**	**0.4011**	**21,248.7110**

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	81.1847	131.4115	854.4157	2.3623	292.9723	1.6826	294.6550	78.2088	1.5853	79.7942		241,584.2316	241,584.2316	9.3525	12.2684	245,474.0247
Unmitigated	81.1847	131.4115	854.4157	2.3623	292.9723	1.6826	294.6550	78.2088	1.5853	79.7942		241,584.2316	241,584.2316	9.3525	12.2684	245,474.0247

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	14.35	36.06	40.30	60,889	60,889
Condo/Townhouse High Rise	7,459.08	7,459.08	7459.08	25,488,810	25,488,810
Elementary School	1,745.26	0.00	0.00	4,296,319	4,296,319
General Heavy Industry	5,409.24	5,409.24	5409.24	23,953,622	23,953,622
General Heavy Industry	129.93	129.93	129.93	575,366	575,366
Office Park	17,788.56	5,858.08	2714.72	47,067,308	47,067,308
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	6,353.12	6,420.42	5754.15	21,450,034	21,450,034
Single Family Housing	47.20	47.70	42.75	159,361	159,361
Total	38,946.75	25,360.52	21,550.17	123,051,708	123,051,708

4.3 Trip Type Information

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Office Park	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Condo/Townhouse High Rise	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Elementary School	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
General Heavy Industry	0.485700	0.054300	0.165200	0.116500	0.025800	0.006900	0.043500	0.102100	0.000000	0.000000	0.000000	0.000000	0.000000
Office Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Non-Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Single Family Housing	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Rio Vista Specific Plan - Riverside-South Coast County, 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					
NaturalGas Mitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
NaturalGas Unmitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456

Rio Vista Specific Plan - Riverside-South Coast County, 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					
City Park	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
Condo/Townhouse High Rise	40151.9	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5403.1	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28282.4	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	387.492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52156.5	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

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					
City Park	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
Condo/Townhouse High Rise	40.1519	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13.897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224.941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5.4031	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28.2824	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.387492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52.1565	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

6.0 Area Detail

6.1 Mitigation Measures Area

Rio Vista Specific Plan - Riverside-South Coast County, 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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Unmitigated	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017

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	14.2088					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**204.9309**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

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	14.2088					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**204.9309**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

7.0 Water Detail

7.1 Mitigation Measures Water

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

Rio Vista Specific Plan - Riverside-South Coast County, Winter

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

Rio Vista Specific Plan

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	3,572.00	1000sqft	82.00	3,572,000.00	0
Elementary School	583.70	1000sqft	13.40	583,704.00	0
General Heavy Industry	2,539.55	1000sqft	58.30	2,539,548.00	0
General Heavy Industry	61.00	1000sqft	1.40	61,000.00	0
Other Asphalt Surfaces	19.60	Acre	19.60	853,776.00	0
Other Non-Asphalt Surfaces	519.80	Acre	519.80	22,642,488.00	0
City Park	18.40	Acre	18.40	801,504.00	0
Condo/Townhouse High Rise	1,019.00	Dwelling Unit	80.30	1,019,000.00	2914
Single Family Housing	673.00	Dwelling Unit	117.70	1,211,400.00	1925
Single Family Housing	5.00	Dwelling Unit	6.40	9,000.00	14

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2034
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 -

Land Use - 917.3 acre Specific Plan with a mixture of residential, commercial, and industrial uses

Construction Phase - Construction to begin January 1, 2034, and occur over 10 years

Rio Vista Specific Plan - Riverside-South Coast County, Winter

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

Grading -

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - Per Traffic Impact Analysis, the project will generate 38,106 trips

Woodstoves - No hearths

Area Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Fleet Mix - Industrial fleet mix per trip generation analysis

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	1,100.00	145.00
tblConstructionPhase	NumDays	15,500.00	2,035.00
tblConstructionPhase	NumDays	1,550.00	205.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblConstructionPhase	NumDays	600.00	80.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	866.15	0.00
tblFireplaces	NumberGas	576.30	0.00
tblFireplaces	NumberNoFireplace	101.90	0.00
tblFireplaces	NumberNoFireplace	67.80	0.00
tblFireplaces	NumberWood	50.95	0.00

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

tblFireplaces	NumberWood	33.90	0.00
tblFleetMix	HHD	0.02	0.10
tblFleetMix	LDA	0.55	0.49
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT2	0.18	0.17
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.3850e-003	6.9000e-003
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.12
tblFleetMix	MH	3.3760e-003	0.00
tblFleetMix	MHD	0.01	0.04
tblFleetMix	OBUS	5.8700e-004	0.00
tblFleetMix	SBUS	1.0400e-003	0.00
tblFleetMix	UBUS	2.6400e-004	0.00
tblLandUse	LandUseSquareFeet	583,700.00	583,704.00
tblLandUse	LandUseSquareFeet	2,539,550.00	2,539,548.00
tblLandUse	LotAcreage	15.92	80.30
tblLandUse	LotAcreage	1.62	6.40
tblLandUse	LotAcreage	218.51	117.70
tblVehicleTrips	ST_TR	4.91	7.32
tblVehicleTrips	ST_TR	6.42	2.13
tblVehicleTrips	SU_TR	4.09	7.32
tblVehicleTrips	SU_TR	5.09	2.13
tblVehicleTrips	WD_TR	5.44	7.32
tblVehicleTrips	WD_TR	19.52	2.99
tblVehicleTrips	WD_TR	3.93	2.13
tblVehicleTrips	WD_TR	11.07	4.98
tblWoodstoves	NumberCatalytic	50.95	0.00
tblWoodstoves	NumberCatalytic	33.90	0.00

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

tblWoodstoves	NumberNoncatalytic	50.95	0.00
tblWoodstoves	NumberNoncatalytic	33.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Rio Vista Specific Plan - Riverside-South Coast County, 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					
2024	3.2821	32.4186	28.2785	0.0638	19.8582	1.3364	21.0885	10.1558	1.2295	11.2876	0.0000	6,184.1340	6,184.1340	1.9478	4.4600e-003	6,234.1589
2025	47.6535	219.1449	441.2601	2.0581	186.4796	2.6698	189.1494	50.2224	2.5222	52.7446	0.0000	212,349.6737	212,349.6737	4.2166	16.7977	217,460.7919
2026	45.2035	214.9105	418.5698	2.0061	186.4790	2.6288	189.1078	50.2222	2.4841	52.7063	0.0000	207,051.6860	207,051.6860	4.0196	16.3484	212,023.9846
2027	42.9552	211.0484	399.1113	1.9571	186.4785	2.5828	189.0613	50.2220	2.4415	52.6635	0.0000	202,040.9107	202,040.9107	3.8499	15.9175	206,880.5792
2028	40.9320	207.8909	382.9139	1.9125	186.4781	2.5370	189.0151	50.2219	2.3990	52.6209	0.0000	197,472.6213	197,472.6213	3.7117	15.5198	202,190.3058
2029	39.0062	205.1032	368.8099	1.8720	186.4778	2.4930	188.9708	50.2218	2.3582	52.5800	0.0000	193,330.9035	193,330.9035	3.5938	15.1569	197,937.5096
2030	37.1531	198.0757	356.8444	1.8394	186.4776	2.0728	188.5503	50.2217	1.9723	52.1939	0.0000	189,919.7395	189,919.7395	3.0082	14.8258	194,413.0451
2031	35.4181	197.0455	349.0252	1.8076	186.4773	1.9960	188.4733	50.2215	1.8997	52.1213	0.0000	186,664.0801	186,664.0801	2.9284	14.5210	191,064.5507
2032	33.8608	195.1439	339.9428	1.7788	186.4770	1.9624	188.4393	50.2214	1.8686	52.0900	0.0000	183,708.9646	183,708.9646	2.8520	14.2644	188,031.0440
2033	363.0167	7.1353	51.0393	0.1925	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	19,437.8590	19,437.8590	0.2832	0.4097	19,567.0304
Maximum	**363.0167**	**219.1449**	**441.2601**	**2.0581**	**186.4796**	**2.6698**	**189.1494**	**50.2224**	**2.5222**	**52.7446**	**0.0000**	**212,349.6737**	**212,349.6737**	**4.2166**	**16.7977**	**217,460.7919**

Rio Vista Specific Plan - Riverside-South Coast County, 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)

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					
2024	3.2821	32.4186	28.2785	0.0638	7.8674	1.3364	9.0977	3.9933	1.2295	5.1251	0.0000	6,184.1340	6,184.1340	1.9478	4.4600e-003	6,234.1589
2025	47.6535	219.1449	441.2601	2.0581	186.4796	2.6698	189.1494	50.2224	2.5222	52.7446	0.0000	212,349.6737	212,349.6737	4.2166	16.7977	217,460.7919
2026	45.2035	214.9105	418.5698	2.0061	186.4790	2.6288	189.1078	50.2222	2.4841	52.7063	0.0000	207,051.6860	207,051.6860	4.0196	16.3484	212,023.9846
2027	42.9552	211.0484	399.1113	1.9571	186.4785	2.5828	189.0613	50.2220	2.4415	52.6635	0.0000	202,040.9107	202,040.9107	3.8499	15.9175	206,880.5792
2028	40.9320	207.8909	382.9139	1.9125	186.4781	2.5370	189.0151	50.2219	2.3990	52.6209	0.0000	197,472.6213	197,472.6213	3.7117	15.5198	202,190.3058
2029	39.0062	205.1032	368.8099	1.8720	186.4778	2.4930	188.9708	50.2218	2.3582	52.5800	0.0000	193,330.9035	193,330.9035	3.5938	15.1569	197,937.5096
2030	37.1531	198.0757	356.8444	1.8394	186.4776	2.0728	188.5503	50.2217	1.9723	52.1939	0.0000	189,919.7395	189,919.7395	3.0082	14.8258	194,413.0451
2031	35.4181	197.0455	349.0252	1.8076	186.4773	1.9960	188.4733	50.2215	1.8997	52.1213	0.0000	186,664.0801	186,664.0801	2.9284	14.5210	191,064.5507
2032	33.8608	195.1439	339.9428	1.7788	186.4770	1.9624	188.4393	50.2214	1.8686	52.0900	0.0000	183,708.9646	183,708.9646	2.8520	14.2644	188,031.0440
2033	363.0167	7.1353	51.0393	0.1925	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	19,437.8590	19,437.8590	0.2832	0.4097	19,567.0304
Maximum	**363.0167**	**219.1449**	**441.2601**	**2.0581**	**186.4796**	**2.6698**	**189.1494**	**50.2224**	**2.5222**	**52.7446**	**0.0000**	**212,349.6737**	**212,349.6737**	**4.2166**	**16.7977**	**217,460.7919**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.78**	**0.00**	**0.77**	**1.47**	**0.00**	**1.40**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	68.6599	139.9238	757.9574	2.2039	292.9723	1.6844	294.6567	78.2088	1.5870	79.7958		225,552.6847	225,552.6847	9.5184	12.4662	229,505.5782
Total	**277.5295**	**176.8008**	**924.4133**	**2.4261**	**292.9723**	**5.1846**	**298.1570**	**78.2088**	**5.0873**	**83.2961**	**0.0000**	**268,773.3927**	**268,773.3927**	**10.5863**	**13.2540**	**272,987.7255**

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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	68.6599	139.9238	757.9574	2.2039	292.9723	1.6844	294.6567	78.2088	1.5870	79.7958		225,552.6847	225,552.6847	9.5184	12.4662	229,505.5782
Total	**277.5295**	**176.8008**	**924.4133**	**2.4261**	**292.9723**	**5.1846**	**298.1570**	**78.2088**	**5.0873**	**83.2961**	**0.0000**	**268,773.3927**	**268,773.3927**	**10.5863**	**13.2540**	**272,987.7255**

Rio Vista Specific Plan - Riverside-South Coast County, 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	N20	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	1/1/2024	4/19/2024	5	80	
2	Grading	Grading	4/20/2024	1/31/2025	5	205	
3	Building Construction	Building Construction	2/1/2025	11/19/2032	5	2035	
4	Paving	Paving	11/20/2032	6/10/2033	5	145	
5	Architectural Coating	Architectural Coating	6/11/2033	12/30/2033	5	145	

Acres of Grading (Site Preparation Phase): 120

Acres of Grading (Grading Phase): 615

Acres of Paving: 539.4

Residential Indoor: 4,534,785; Residential Outdoor: 1,511,595; Non-Residential Indoor: 10,134,380; Non-Residential Outdoor: 3,378,127; Striped Parking Area: 1,409,776 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

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

Grading	Tractors/Loaders/Backhoes	2	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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13,663.00	5,271.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2,733.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Rio Vista Specific Plan - Riverside-South Coast County, Winter

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

3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
Total	**0.0576**	**0.0375**	**0.5001**	**1.5500e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**156.9468**	**156.9468**	**3.7400e-003**	**4.0100e-003**	**158.2365**

Rio Vista Specific Plan - Riverside-South Coast County, Winter

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

3.2 Site Preparation - 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					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**7.6662**	**1.2294**	**8.8956**	**3.9400**	**1.1310**	**5.0710**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
Total	**0.0576**	**0.0375**	**0.5001**	**1.5500e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**156.9468**	**156.9468**	**3.7400e-003**	**4.0100e-003**	**158.2365**

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

3.3 Grading - 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					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**9.2036**	**1.3354**	**10.5390**	**3.6538**	**1.2286**	**4.8823**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	**0.0640**	**0.0417**	**0.5557**	**1.7300e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**174.3853**	**174.3853**	**4.1600e-003**	**4.4600e-003**	**175.8183**

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**3.5894**	**1.3354**	**4.9248**	**1.4250**	**1.2286**	**2.6535**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	**0.0640**	**0.0417**	**0.5557**	**1.7300e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**174.3853**	**174.3853**	**4.1600e-003**	**4.4600e-003**	**175.8183**

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

3.3 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0374	0.5175	1.6700e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		168.4834	168.4834	3.7600e-003	4.1600e-003	169.8174
Total	**0.0600**	**0.0374**	**0.5175**	**1.6700e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**168.4834**	**168.4834**	**3.7600e-003**	**4.1600e-003**	**169.8174**

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.5894**	**1.1309**	**4.7203**	**1.4250**	**1.0404**	**2.4654**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0374	0.5175	1.6700e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		168.4834	168.4834	3.7600e-003	4.1600e-003	169.8174
Total	**0.0600**	**0.0374**	**0.5175**	**1.6700e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**168.4834**	**168.4834**	**3.7600e-003**	**4.1600e-003**	**169.8174**

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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.3347	181.1588	71.6800	0.8924	33.7594	1.4958	35.2552	9.7203	1.4309	11.1512		94,693.7919	94,693.7919	1.0494	13.9548	98,878.5587
Worker	40.9514	25.5164	353.4954	1.1387	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		115,099.4074	115,099.4074	2.5662	2.8429	116,010.7351
Total	**46.2861**	**206.6752**	**425.1754**	**2.0311**	**186.4796**	**2.1423**	**188.6219**	**50.2224**	**2.0260**	**52.2483**		**209,793.1994**	**209,793.1994**	**3.6156**	**16.7977**	**214,889.2938**

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.3347	181.1588	71.6800	0.8924	33.7594	1.4958	35.2552	9.7203	1.4309	11.1512		94,693.7919	94,693.7919	1.0494	13.9548	98,878.5587
Worker	40.9514	25.5164	353.4954	1.1387	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		115,099.4074	115,099.4074	2.5662	2.8429	116,010.7351
Total	**46.2861**	**206.6752**	**425.1754**	**2.0311**	**186.4796**	**2.1423**	**188.6219**	**50.2224**	**2.0260**	**52.2483**		**209,793.1994**	**209,793.1994**	**3.6156**	**16.7977**	**214,889.2938**

Rio Vista Specific Plan - Riverside-South Coast County, Winter

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2670	179.3548	71.0141	0.8758	33.7589	1.4893	35.2481	9.7201	1.4247	11.1447		92,971.9435	92,971.9435	1.0873	13.6742	97,074.0476
Worker	38.5692	23.0860	331.4711	1.1033	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		111,523.2681	111,523.2681	2.3314	2.6741	112,378.4390
Total	**43.8361**	**202.4408**	**402.4852**	**1.9792**	**186.4790**	**2.1012**	**188.5802**	**50.2222**	**1.9879**	**52.2100**		**204,495.2116**	**204,495.2116**	**3.4187**	**16.3484**	**209,452.4866**

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

3.4 Building Construction - 2026

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2670	179.3548	71.0141	0.8758	33.7589	1.4893	35.2481	9.7201	1.4247	11.1447		92,971.9435	92,971.9435	1.0873	13.6742	97,074.0476
Worker	38.5692	23.0860	331.4711	1.1033	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		111,523.2681	111,523.2681	2.3314	2.6741	112,378.4390
Total	**43.8361**	**202.4408**	**402.4852**	**1.9792**	**186.4790**	**2.1012**	**188.5802**	**50.2222**	**1.9879**	**52.2100**		**204,495.2116**	**204,495.2116**	**3.4187**	**16.3484**	**209,452.4866**

Rio Vista Specific Plan - Riverside-South Coast County, Winter

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2089	177.5462	70.4718	0.8585	33.7584	1.4811	35.2394	9.7199	1.4168	11.1367		91,160.7555	91,160.7555	1.1207	13.3851	95,177.5343
Worker	36.3789	21.0325	312.5549	1.0717	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		108,323.6809	108,323.6809	2.1283	2.5324	109,131.5468
Total	**41.5878**	**198.5787**	**383.0267**	**1.9302**	**186.4785**	**2.0553**	**188.5338**	**50.2220**	**1.9452**	**52.1672**		**199,484.4364**	**199,484.4364**	**3.2490**	**15.9175**	**204,309.0811**

Rio Vista Specific Plan - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2027

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2089	177.5462	70.4718	0.8585	33.7584	1.4811	35.2394	9.7199	1.4168	11.1367		91,160.7555	91,160.7555	1.1207	13.3851	95,177.5343
Worker	36.3789	21.0325	312.5549	1.0717	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		108,323.6809	108,323.6809	2.1283	2.5324	109,131.5468
Total	**41.5878**	**198.5787**	**383.0267**	**1.9302**	**186.4785**	**2.0553**	**188.5338**	**50.2220**	**1.9452**	**52.1672**		**199,484.4364**	**199,484.4364**	**3.2490**	**15.9175**	**204,309.0811**

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

3.4 Building Construction - 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1664	176.1073	70.0963	0.8418	33.7580	1.4741	35.2321	9.7197	1.4101	11.1299		89,421.5056	89,421.5056	1.1565	13.1054	93,355.8369
Worker	34.3982	19.3139	296.7330	1.0437	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		105,494.6413	105,494.6413	1.9543	2.4143	106,262.9708
Total	**39.5646**	**195.4212**	**366.8293**	**1.8855**	**186.4781**	**2.0094**	**188.4875**	**50.2219**	**1.9027**	**52.1246**		**194,916.1469**	**194,916.1469**	**3.1108**	**15.5198**	**199,618.8078**

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

3.4 Building Construction - 2028

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1664	176.1073	70.0963	0.8418	33.7580	1.4741	35.2321	9.7197	1.4101	11.1299		89,421.5056	89,421.5056	1.1565	13.1054	93,355.8369
Worker	34.3982	19.3139	296.7330	1.0437	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		105,494.6413	105,494.6413	1.9543	2.4143	106,262.9708
Total	**39.5646**	**195.4212**	**366.8293**	**1.8855**	**186.4781**	**2.0094**	**188.4875**	**50.2219**	**1.9027**	**52.1246**		**194,916.1469**	**194,916.1469**	**3.1108**	**15.5198**	**199,618.8078**

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

3.4 Building Construction - 2029

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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1314	174.7967	69.8012	0.8261	33.7577	1.4666	35.2243	9.7196	1.4029	11.1226		87,784.0528	87,784.0528	1.1913	12.8427	91,640.9690
Worker	32.5074	17.8368	282.9240	1.0189	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		102,990.3763	102,990.3763	1.8015	2.3142	103,725.0426
Total	**37.6388**	**192.6335**	**352.7252**	**1.8450**	**186.4778**	**1.9654**	**188.4432**	**50.2218**	**1.8619**	**52.0837**		**190,774.4291**	**190,774.4291**	**2.9928**	**15.1569**	**195,366.0116**

Rio Vista Specific Plan - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2029

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1314	174.7967	69.8012	0.8261	33.7577	1.4666	35.2243	9.7196	1.4029	11.1226		87,784.0528	87,784.0528	1.1913	12.8427	91,640.9690
Worker	32.5074	17.8368	282.9240	1.0189	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		102,990.3763	102,990.3763	1.8015	2.3142	103,725.0426
Total	**37.6388**	**192.6335**	**352.7252**	**1.8450**	**186.4778**	**1.9654**	**188.4432**	**50.2218**	**1.8619**	**52.0837**		**190,774.4291**	**190,774.4291**	**2.9928**	**15.1569**	**195,366.0116**

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.1048	173.5696	69.5876	0.8114	33.7575	1.4592	35.2167	9.7196	1.3959	11.1155		86,243.6047	86,243.6047	1.2245	12.5963	90,027.8997
Worker	30.7392	16.5716	271.0999	0.9970	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		100,778.5881	100,778.5881	1.6675	2.2296	101,484.6926
Total	**35.8440**	**190.1411**	**340.6874**	**1.8084**	**186.4776**	**1.9246**	**188.4022**	**50.2217**	**1.8241**	**52.0458**		**187,022.1928**	**187,022.1928**	**2.8920**	**14.8258**	**191,512.5923**

Rio Vista Specific Plan - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.1048	173.5696	69.5876	0.8114	33.7575	1.4592	35.2167	9.7196	1.3959	11.1155		86,243.6047	86,243.6047	1.2245	12.5963	90,027.8997
Worker	30.7392	16.5716	271.0999	0.9970	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		100,778.5881	100,778.5881	1.6675	2.2296	101,484.6926
Total	**35.8440**	**190.1411**	**340.6874**	**1.8084**	**186.4776**	**1.9246**	**188.4022**	**50.2217**	**1.8241**	**52.0458**		**187,022.1928**	**187,022.1928**	**2.8920**	**14.8258**	**191,512.5923**

Rio Vista Specific Plan - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0816	173.6436	69.6609	0.7972	33.7571	1.4068	35.1639	9.7194	1.3458	11.0652		84,762.5560	84,762.5560	1.2558	12.3614	88,477.6504
Worker	29.0274	15.4673	263.2073	0.9795	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		99,003.9773	99,003.9773	1.5563	2.1596	99,686.4474
Total	**34.1090**	**189.1109**	**332.8682**	**1.7767**	**186.4773**	**1.8479**	**188.3251**	**50.2215**	**1.7516**	**51.9731**		**183,766.5333**	**183,766.5333**	**2.8121**	**14.5210**	**188,164.0979**

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0816	173.6436	69.6609	0.7972	33.7571	1.4068	35.1639	9.7194	1.3458	11.0652		84,762.5560	84,762.5560	1.2558	12.3614	88,477.6504
Worker	29.0274	15.4673	263.2073	0.9795	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		99,003.9773	99,003.9773	1.5563	2.1596	99,686.4474
Total	**34.1090**	**189.1109**	**332.8682**	**1.7767**	**186.4773**	**1.8479**	**188.3251**	**50.2215**	**1.7516**	**51.9731**		**183,766.5333**	**183,766.5333**	**2.8121**	**14.5210**	**188,164.0979**

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0783	172.6838	69.7212	0.7854	33.7568	1.4012	35.1581	9.7193	1.3404	11.0598		83,530.1100	83,530.1100	1.2849	12.1657	87,187.6175
Worker	27.4734	14.5255	254.0646	0.9624	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		97,281.3079	97,281.3079	1.4509	2.0986	97,942.9737
Total	**32.5517**	**187.2093**	**323.7858**	**1.7478**	**186.4770**	**1.8142**	**188.2912**	**50.2214**	**1.7204**	**51.9419**		**180,811.4179**	**180,811.4179**	**2.7358**	**14.2644**	**185,130.5912**

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0783	172.6838	69.7212	0.7854	33.7568	1.4012	35.1581	9.7193	1.3404	11.0598		83,530.1100	83,530.1100	1.2849	12.1657	87,187.6175
Worker	27.4734	14.5255	254.0646	0.9624	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		97,281.3079	97,281.3079	1.4509	2.0986	97,942.9737
Total	**32.5517**	**187.2093**	**323.7858**	**1.7478**	**186.4770**	**1.8142**	**188.2912**	**50.2214**	**1.7204**	**51.9419**		**180,811.4179**	**180,811.4179**	**2.7358**	**14.2644**	**185,130.5912**

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0302	0.0160	0.2789	1.0600e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		106.8008	106.8008	1.5900e-003	2.3000e-003	107.5272
Total	**0.0302**	**0.0160**	**0.2789**	**1.0600e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**106.8008**	**106.8008**	**1.5900e-003**	**2.3000e-003**	**107.5272**

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0302	0.0160	0.2789	1.0600e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		106.8008	106.8008	1.5900e-003	2.3000e-003	107.5272
Total	**0.0302**	**0.0160**	**0.2789**	**1.0600e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**106.8008**	**106.8008**	**1.5900e-003**	**2.3000e-003**	**107.5272**

Rio Vista Specific Plan - Riverside-South Coast County, Winter

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0286	0.0151	0.2703	1.0400e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		105.1395	105.1395	1.4900e-003	2.2500e-003	105.8469
Total	**0.0286**	**0.0151**	**0.2703**	**1.0400e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**105.1395**	**105.1395**	**1.4900e-003**	**2.2500e-003**	**105.8469**

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0286	0.0151	0.2703	1.0400e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		105.1395	105.1395	1.4900e-003	2.2500e-003	105.8469
Total	**0.0286**	**0.0151**	**0.2703**	**1.0400e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**105.1395**	**105.1395**	**1.4900e-003**	**2.2500e-003**	**105.8469**

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

3.6 Architectural Coating - 2033

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	357.6692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**357.7999**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.2168	2.7491	49.2416	0.1895	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		19,156.4110	19,156.4110	0.2718	0.4097	19,285.2976
Total	**5.2168**	**2.7491**	**49.2416**	**0.1895**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**19,156.4110**	**19,156.4110**	**0.2718**	**0.4097**	**19,285.2976**

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

3.6 Architectural Coating - 2033

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	357.6692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**357.7999**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.2168	2.7491	49.2416	0.1895	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		19,156.4110	19,156.4110	0.2718	0.4097	19,285.2976
Total	**5.2168**	**2.7491**	**49.2416**	**0.1895**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**19,156.4110**	**19,156.4110**	**0.2718**	**0.4097**	**19,285.2976**

Rio Vista Specific Plan - Riverside-South Coast County, 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	68.6599	139.9238	757.9574	2.2039	292.9723	1.6844	294.6567	78.2088	1.5870	79.7958		225,552.6847	225,552.6847	9.5184	12.4662	229,505.5782
Unmitigated	68.6599	139.9238	757.9574	2.2039	292.9723	1.6844	294.6567	78.2088	1.5870	79.7958		225,552.6847	225,552.6847	9.5184	12.4662	229,505.5782

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	14.35	36.06	40.30	60,889	60,889
Condo/Townhouse High Rise	7,459.08	7,459.08	7459.08	25,488,810	25,488,810
Elementary School	1,745.26	0.00	0.00	4,296,319	4,296,319
General Heavy Industry	5,409.24	5,409.24	5409.24	23,953,622	23,953,622
General Heavy Industry	129.93	129.93	129.93	575,366	575,366
Office Park	17,788.56	5,858.08	2714.72	47,067,308	47,067,308
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	6,353.12	6,420.42	5754.15	21,450,034	21,450,034
Single Family Housing	47.20	47.70	42.75	159,361	159,361
Total	38,946.75	25,360.52	21,550.17	123,051,708	123,051,708

4.3 Trip Type Information

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Office Park	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Condo/Townhouse High Rise	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Elementary School	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
General Heavy Industry	0.485700	0.054300	0.165200	0.116500	0.025800	0.006900	0.043500	0.102100	0.000000	0.000000	0.000000	0.000000	0.000000
Office Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Non-Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Single Family Housing	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Rio Vista Specific Plan - Riverside-South Coast County, 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					
NaturalGas Mitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
NaturalGas Unmitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456

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					
City Park	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
Condo/Townhouse High Rise	40151.9	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5403.1	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28282.4	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	387.492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52156.5	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

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					
City Park	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
Condo/Townhouse High Rise	40.1519	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13.897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224.941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5.4031	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28.2824	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.387492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52.1565	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

6.0 Area Detail

6.1 Mitigation Measures Area

Rio Vista Specific Plan - Riverside-South Coast County, 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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Unmitigated	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017

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	14.2088					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**204.9309**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

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	14.2088					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**204.9309**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

7.0 Water Detail

7.1 Mitigation Measures Water

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

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Annual

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

Rio Vista Specific Plan - Mitigated

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	3,572.00	1000sqft	82.00	3,572,000.00	0
Elementary School	583.70	1000sqft	13.40	583,704.00	0
General Heavy Industry	2,539.55	1000sqft	58.30	2,539,548.00	0
General Heavy Industry	61.00	1000sqft	1.40	61,000.00	0
Other Asphalt Surfaces	19.60	Acre	19.60	853,776.00	0
Other Non-Asphalt Surfaces	519.80	Acre	519.80	22,642,488.00	0
City Park	18.40	Acre	18.40	801,504.00	0
Condo/Townhouse High Rise	1,019.00	Dwelling Unit	80.30	1,019,000.00	2914
Single Family Housing	673.00	Dwelling Unit	117.70	1,211,400.00	1925
Single Family Housing	5.00	Dwelling Unit	6.40	9,000.00	14

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2034
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 -

Land Use - 917.3 acre Specific Plan with a mixture of residential, commercial, and industrial uses

Construction Phase - Construction to begin January 1, 2034, and occur over 10 years

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Annual

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

Grading -

Architectural Coating - MM AIR-1b

Vehicle Trips - Per Traffic Impact Analysis, the project will generate 38,106 trips

Woodstoves - No hearths

Area Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation - MM AIR-1b

Energy Mitigation -

Water Mitigation -

Waste Mitigation - AB-341

Fleet Mix - Industrial fleet mix per trip generation analysis

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Parking	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	10
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	10
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Annual

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	600.00	80.00
tblConstructionPhase	NumDays	1,550.00	205.00
tblConstructionPhase	NumDays	15,500.00	2,035.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	866.15	0.00
tblFireplaces	NumberGas	576.30	0.00
tblFireplaces	NumberNoFireplace	101.90	0.00
tblFireplaces	NumberNoFireplace	67.80	0.00
tblFireplaces	NumberWood	50.95	0.00
tblFireplaces	NumberWood	33.90	0.00
tblFleetMix	HHD	0.02	0.10
tblFleetMix	LDA	0.55	0.49
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT2	0.18	0.17
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.3850e-003	6.9000e-003
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.12

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

tblFleetMix	MH	3.3760e-003	0.00
tblFleetMix	MHD	0.01	0.04
tblFleetMix	OBUS	5.8700e-004	0.00
tblFleetMix	SBUS	1.0400e-003	0.00
tblFleetMix	UBUS	2.6400e-004	0.00
tblLandUse	LandUseSquareFeet	583,700.00	583,704.00
tblLandUse	LandUseSquareFeet	2,539,550.00	2,539,548.00
tblLandUse	LotAcreage	15.92	80.30
tblLandUse	LotAcreage	218.51	117.70
tblLandUse	LotAcreage	1.62	6.40
tblVehicleTrips	ST_TR	4.91	7.32
tblVehicleTrips	ST_TR	6.42	2.13
tblVehicleTrips	SU_TR	4.09	7.32
tblVehicleTrips	SU_TR	5.09	2.13
tblVehicleTrips	WD_TR	5.44	7.32
tblVehicleTrips	WD_TR	19.52	2.99
tblVehicleTrips	WD_TR	3.93	2.13
tblVehicleTrips	WD_TR	11.07	4.98
tblWoodstoves	NumberCatalytic	50.95	0.00
tblWoodstoves	NumberCatalytic	33.90	0.00
tblWoodstoves	NumberNoncatalytic	50.95	0.00
tblWoodstoves	NumberNoncatalytic	33.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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					
2024	0.4070	4.0388	3.3306	7.4000e-003	1.6883	0.1708	1.8591	0.7480	0.1572	0.9051	0.0000	650.5144	650.5144	0.2042	5.2000e-004	655.7759
2025	5.4621	26.2509	54.9155	0.2486	22.2311	0.3304	22.5615	5.9626	0.3118	6.2744	0.0000	23,261.7780	23,261.7780	0.4777	1.8167	23,815.0973
2026	5.6420	27.8730	56.7574	0.2650	23.9431	0.3427	24.2857	6.4577	0.3238	6.7815	0.0000	24,801.4812	24,801.4812	0.4781	1.9387	25,391.1581
2027	5.3580	27.3605	54.0771	0.2585	23.9430	0.3367	24.2797	6.4576	0.3183	6.7759	0.0000	24,199.1714	24,199.1714	0.4578	1.8874	24,773.0582
2028	5.0838	26.8383	51.6480	0.2516	23.8512	0.3295	24.1807	6.4329	0.3116	6.7444	0.0000	23,559.8368	23,559.8368	0.4396	1.8330	24,117.0696
2029	4.8616	26.5716	49.9051	0.2472	23.9429	0.3250	24.2679	6.4576	0.3074	6.7650	0.0000	23,153.2550	23,153.2550	0.4272	1.7969	23,699.4243
2030	4.6295	25.6491	48.2578	0.2429	23.9429	0.2702	24.2130	6.4576	0.2571	6.7147	0.0000	22,743.4292	22,743.4292	0.3578	1.7576	23,276.1398
2031	4.4138	25.5062	47.2001	0.2387	23.9428	0.2602	24.2030	6.4576	0.2476	6.7052	0.0000	22,354.7428	22,354.7428	0.3484	1.7214	22,876.4260
2032	3.7773	22.5539	41.0845	0.2092	21.2850	0.2323	21.5173	5.7407	0.2215	5.9622	0.0000	19,593.4238	19,593.4238	0.3033	1.5031	20,048.9170
2033	5.3243	0.6767	4.8170	0.0160	2.1873	0.0261	2.2135	0.5808	0.0257	0.6065	0.0000	1,451.7328	1,451.7328	0.0252	0.0276	1,460.5784
Maximum	**5.6420**	**27.8730**	**56.7574**	**0.2650**	**23.9431**	**0.3427**	**24.2857**	**6.4577**	**0.3238**	**6.7815**	**0.0000**	**24,801.4812**	**24,801.4812**	**0.4781**	**1.9387**	**25,391.1581**

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

2.1 Overall Construction

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					
2024	0.4070	4.0388	3.3306	7.4000e-003	0.6755	0.1708	0.8463	0.2962	0.1572	0.4534	0.0000	650.5136	650.5136	0.2042	5.2000e-004	655.7751
2025	5.4621	26.2509	54.9155	0.2486	21.9899	0.3304	22.3203	5.9179	0.3118	6.2297	0.0000	23,261.7776	23,261.7776	0.4777	1.8167	23,815.0969
2026	5.6420	27.8729	56.7574	0.2650	23.9431	0.3427	24.2857	6.4577	0.3238	6.7815	0.0000	24,801.4809	24,801.4809	0.4781	1.9387	25,391.1578
2027	5.3580	27.3605	54.0771	0.2585	23.9430	0.3367	24.2797	6.4576	0.3183	6.7759	0.0000	24,199.1710	24,199.1710	0.4578	1.8874	24,773.0578
2028	5.0838	26.8383	51.6480	0.2516	23.8512	0.3295	24.1807	6.4329	0.3116	6.7444	0.0000	23,559.8365	23,559.8365	0.4396	1.8330	24,117.0693
2029	4.8616	26.5716	49.9051	0.2472	23.9429	0.3250	24.2679	6.4576	0.3074	6.7650	0.0000	23,153.2547	23,153.2547	0.4272	1.7969	23,699.4239
2030	4.6295	25.6491	48.2578	0.2429	23.9429	0.2702	24.2130	6.4576	0.2571	6.7147	0.0000	22,743.4288	22,743.4288	0.3578	1.7576	23,276.1394
2031	4.4138	25.5062	47.2001	0.2387	23.9428	0.2602	24.2030	6.4576	0.2476	6.7052	0.0000	22,354.7424	22,354.7424	0.3484	1.7214	22,876.4255
2032	3.7773	22.5539	41.0845	0.2092	21.2850	0.2323	21.5173	5.7407	0.2215	5.9622	0.0000	19,593.4233	19,593.4233	0.3033	1.5031	20,048.9166
2033	5.3243	0.6767	4.8170	0.0160	2.1873	0.0261	2.2135	0.5808	0.0257	0.6065	0.0000	1,451.7326	1,451.7326	0.0252	0.0276	1,460.5782
Maximum	**5.6420**	**27.8729**	**56.7574**	**0.2650**	**23.9431**	**0.3427**	**24.2857**	**6.4577**	**0.3238**	**6.7815**	**0.0000**	**24,801.4809**	**24,801.4809**	**0.4781**	**1.9387**	**25,391.1578**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.66**	**0.00**	**0.65**	**0.96**	**0.00**	**0.92**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Annual

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.9728	0.9728
2	4-1-2024	6-30-2024	1.1212	1.1212
3	7-1-2024	9-30-2024	1.1731	1.1731
4	10-1-2024	12-31-2024	1.1730	1.1730
5	1-1-2025	3-31-2025	5.9644	5.9644
6	4-1-2025	6-30-2025	8.3999	8.3999
7	7-1-2025	9-30-2025	8.4922	8.4922
8	10-1-2025	12-31-2025	8.7662	8.7662
9	1-1-2026	3-31-2026	8.3608	8.3608
10	4-1-2026	6-30-2026	8.1799	8.1799
11	7-1-2026	9-30-2026	8.2698	8.2698
12	10-1-2026	12-31-2026	8.5466	8.5466
13	1-1-2027	3-31-2027	8.1644	8.1644
14	4-1-2027	6-30-2027	7.9793	7.9793
15	7-1-2027	9-30-2027	8.0670	8.0670
16	10-1-2027	12-31-2027	8.3458	8.3458
17	1-1-2028	3-31-2028	8.0867	8.0867
18	4-1-2028	6-30-2028	7.8091	7.8091
19	7-1-2028	9-30-2028	7.8949	7.8949
20	10-1-2028	12-31-2028	8.1756	8.1756
21	1-1-2029	3-31-2029	7.8464	7.8464
22	4-1-2029	6-30-2029	7.6539	7.6539
23	7-1-2029	9-30-2029	7.7380	7.7380
24	10-1-2029	12-31-2029	8.0207	8.0207
25	1-1-2030	3-31-2030	7.5609	7.5609
26	4-1-2030	6-30-2030	7.3635	7.3635
27	7-1-2030	9-30-2030	7.4444	7.4444
28	10-1-2030	12-31-2030	7.7289	7.7289

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

29	**1-1-2031**	**3-31-2031**	7.4720	7.4720
30	**4-1-2031**	**6-30-2031**	7.2691	7.2691
31	**7-1-2031**	**9-30-2031**	7.3490	7.3490
32	**10-1-2031**	**12-31-2031**	7.6381	7.6381
33	**1-1-2032**	**3-31-2032**	7.4427	7.4427
34	**4-1-2032**	**6-30-2032**	7.1545	7.1545
35	**7-1-2032**	**9-30-2032**	7.2331	7.2331
36	**10-1-2032**	**12-31-2032**	4.2229	4.2229
37	**1-1-2033**	**3-31-2033**	0.2862	0.2862
38	**4-1-2033**	**6-30-2033**	0.7693	0.7693
39	**7-1-2033**	**9-30-2033**	2.5005	2.5005
		Highest	8.7662	8.7662

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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	37.1558	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610
Energy	0.7188	6.4351	4.7593	0.0392		0.4966	0.4966		0.4966	0.4966	0.0000	20,203.3408	20,203.3408	1.2412	0.2643	20,313.1412
Mobile	11.0917	23.2169	125.2923	0.3645	46.6657	0.2787	46.9444	12.4763	0.2627	12.7390	0.0000	33,847.5453	33,847.5453	1.3766	1.8783	34,441.6985
Waste						0.0000	0.0000		0.0000	0.0000	1,739.7868	0.0000	1,739.7868	102.8185	0.0000	4,310.2482
Water						0.0000	0.0000		0.0000	0.0000	432.6499	4,182.1143	4,614.7642	44.7903	1.0921	6,059.9510
Total	**48.9663**	**29.8540**	**147.5988**	**0.4046**	**46.6657**	**0.8727**	**47.5384**	**12.4763**	**0.8567**	**13.3330**	**2,172.4367**	**58,261.7688**	**60,434.2055**	**150.2542**	**3.2347**	**65,154.5000**

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	35.0487	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610
Energy	0.7188	6.4351	4.7593	0.0392		0.4966	0.4966		0.4966	0.4966	0.0000	20,163.9427	20,163.9427	1.2378	0.2639	20,273.5399
Mobile	10.9784	22.8731	123.3129	0.3574	45.7324	0.2734	46.0058	12.2268	0.2577	12.4845	0.0000	33,190.0647	33,190.0647	1.3564	1.8467	33,774.2747
Waste						0.0000	0.0000		0.0000	0.0000	434.9467	0.0000	434.9467	25.7046	0.0000	1,077.5621
Water						0.0000	0.0000		0.0000	0.0000	432.6499	4,119.1039	4,551.7538	44.7850	1.0914	5,996.6156
Total	**46.7459**	**29.5102**	**145.6194**	**0.3975**	**45.7324**	**0.8674**	**46.5998**	**12.2268**	**0.8517**	**13.0785**	**867.5966**	**57,501.8797**	**58,369.4763**	**73.1115**	**3.2020**	**61,151.4532**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**4.53**	**1.15**	**1.34**	**1.75**	**2.00**	**0.60**	**1.97**	**2.00**	**0.58**	**1.91**	**60.06**	**1.30**	**3.42**	**51.34**	**1.01**	**6.14**

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	1/1/2024	4/19/2024	5	80	
2	Grading	Grading	4/20/2024	1/31/2025	5	205	
3	Building Construction	Building Construction	2/1/2025	11/19/2032	5	2035	

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

4	Paving	Paving	11/20/2032	6/10/2033	5	145	
5	Architectural Coating	Architectural Coating	6/11/2033	12/30/2033	5	145	

Acres of Grading (Site Preparation Phase): 120

Acres of Grading (Grading Phase): 615

Acres of Paving: 539.4

Residential Indoor: 4,534,785; Residential Outdoor: 1,511,595; Non-Residential Indoor: 10,134,380; Non-Residential Outdoor: 3,378,127; Striped Parking Area: 1,409,776 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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

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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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13,663.00	5,271.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2,733.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					0.7863	0.0000	0.7863	0.4041	0.0000	0.4041	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1064	1.0870	0.7334	1.5200e-003		0.0492	0.0492		0.0452	0.0452	0.0000	133.8283	133.8283	0.0433	0.0000	134.9103
Total	**0.1064**	**1.0870**	**0.7334**	**1.5200e-003**	**0.7863**	**0.0492**	**0.8355**	**0.4041**	**0.0452**	**0.4493**	**0.0000**	**133.8283**	**133.8283**	**0.0433**	**0.0000**	**134.9103**

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

3.2 Site Preparation - 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	2.1800e-003	1.5400e-003	0.0211	6.0000e-005	7.9100e-003	4.0000e-005	7.9500e-003	2.1000e-003	3.0000e-005	2.1300e-003	0.0000	5.8276	5.8276	1.4000e-004	1.5000e-004	5.8752
Total	**2.1800e-003**	**1.5400e-003**	**0.0211**	**6.0000e-005**	**7.9100e-003**	**4.0000e-005**	**7.9500e-003**	**2.1000e-003**	**3.0000e-005**	**2.1300e-003**	**0.0000**	**5.8276**	**5.8276**	**1.4000e-004**	**1.5000e-004**	**5.8752**

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					0.3067	0.0000	0.3067	0.1576	0.0000	0.1576	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1064	1.0870	0.7334	1.5200e-003		0.0492	0.0492		0.0452	0.0452	0.0000	133.8281	133.8281	0.0433	0.0000	134.9102
Total	**0.1064**	**1.0870**	**0.7334**	**1.5200e-003**	**0.3067**	**0.0492**	**0.3558**	**0.1576**	**0.0452**	**0.2028**	**0.0000**	**133.8281**	**133.8281**	**0.0433**	**0.0000**	**134.9102**

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

3.2 Site Preparation - 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	2.1800e-003	1.5400e-003	0.0211	6.0000e-005	7.9100e-003	4.0000e-005	7.9500e-003	2.1000e-003	3.0000e-005	2.1300e-003	0.0000	5.8276	5.8276	1.4000e-004	1.5000e-004	5.8752
Total	**2.1800e-003**	**1.5400e-003**	**0.0211**	**6.0000e-005**	**7.9100e-003**	**4.0000e-005**	**7.9500e-003**	**2.1000e-003**	**3.0000e-005**	**2.1300e-003**	**0.0000**	**5.8276**	**5.8276**	**1.4000e-004**	**1.5000e-004**	**5.8752**

3.3 Grading - 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					
Fugitive Dust					0.8741	0.0000	0.8741	0.3364	0.0000	0.3364	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2929	2.9463	2.5228	5.6500e-003		0.1215	0.1215		0.1118	0.1118	0.0000	496.1277	496.1277	0.1605	0.0000	500.1391
Total	**0.2929**	**2.9463**	**2.5228**	**5.6500e-003**	**0.8741**	**0.1215**	**0.9956**	**0.3364**	**0.1118**	**0.4482**	**0.0000**	**496.1277**	**496.1277**	**0.1605**	**0.0000**	**500.1391**

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

3.3 Grading - 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	5.5100e-003	3.8900e-003	0.0533	1.6000e-004	0.0200	9.0000e-005	0.0201	5.3100e-003	8.0000e-005	5.4000e-003	0.0000	14.7309	14.7309	3.4000e-004	3.8000e-004	14.8513
Total	**5.5100e-003**	**3.8900e-003**	**0.0533**	**1.6000e-004**	**0.0200**	**9.0000e-005**	**0.0201**	**5.3100e-003**	**8.0000e-005**	**5.4000e-003**	**0.0000**	**14.7309**	**14.7309**	**3.4000e-004**	**3.8000e-004**	**14.8513**

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					0.3409	0.0000	0.3409	0.1312	0.0000	0.1312	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2929	2.9463	2.5228	5.6500e-003		0.1215	0.1215		0.1118	0.1118	0.0000	496.1271	496.1271	0.1605	0.0000	500.1385
Total	**0.2929**	**2.9463**	**2.5228**	**5.6500e-003**	**0.3409**	**0.1215**	**0.4624**	**0.1312**	**0.1118**	**0.2430**	**0.0000**	**496.1271**	**496.1271**	**0.1605**	**0.0000**	**500.1385**

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

3.3 Grading - 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	5.5100e-003	3.8900e-003	0.0533	1.6000e-004	0.0200	9.0000e-005	0.0201	5.3100e-003	8.0000e-005	5.4000e-003	0.0000	14.7309	14.7309	3.4000e-004	3.8000e-004	14.8513
Total	**5.5100e-003**	**3.8900e-003**	**0.0533**	**1.6000e-004**	**0.0200**	**9.0000e-005**	**0.0201**	**5.3100e-003**	**8.0000e-005**	**5.4000e-003**	**0.0000**	**14.7309**	**14.7309**	**3.4000e-004**	**3.8000e-004**	**14.8513**

3.3 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3954	0.0000	0.3954	0.0733	0.0000	0.0733	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0334	0.3213	0.3028	7.1000e-004		0.0130	0.0130		0.0120	0.0120	0.0000	62.6821	62.6821	0.0203	0.0000	63.1890
Total	**0.0334**	**0.3213**	**0.3028**	**7.1000e-004**	**0.3954**	**0.0130**	**0.4084**	**0.0733**	**0.0120**	**0.0852**	**0.0000**	**62.6821**	**62.6821**	**0.0203**	**0.0000**	**63.1890**

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

3.3 Grading - 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	6.5000e-004	4.4000e-004	6.2700e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.7985	1.7985	4.0000e-005	4.0000e-005	1.8126
Total	**6.5000e-004**	**4.4000e-004**	**6.2700e-003**	**2.0000e-005**	**2.5300e-003**	**1.0000e-005**	**2.5400e-003**	**6.7000e-004**	**1.0000e-005**	**6.8000e-004**	**0.0000**	**1.7985**	**1.7985**	**4.0000e-005**	**4.0000e-005**	**1.8126**

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					0.1542	0.0000	0.1542	0.0286	0.0000	0.0286	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0334	0.3213	0.3028	7.1000e-004		0.0130	0.0130		0.0120	0.0120	0.0000	62.6821	62.6821	0.0203	0.0000	63.1889
Total	**0.0334**	**0.3213**	**0.3028**	**7.1000e-004**	**0.1542**	**0.0130**	**0.1672**	**0.0286**	**0.0120**	**0.0405**	**0.0000**	**62.6821**	**62.6821**	**0.0203**	**0.0000**	**63.1889**

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

3.3 Grading - 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	6.5000e-004	4.4000e-004	6.2700e-003	2.0000e-005	2.5300e-003	1.0000e-005	2.5400e-003	6.7000e-004	1.0000e-005	6.8000e-004	0.0000	1.7985	1.7985	4.0000e-005	4.0000e-005	1.8126
Total	**6.5000e-004**	**4.4000e-004**	**6.2700e-003**	**2.0000e-005**	**2.5300e-003**	**1.0000e-005**	**2.5400e-003**	**6.7000e-004**	**1.0000e-005**	**6.8000e-004**	**0.0000**	**1.7985**	**1.7985**	**4.0000e-005**	**4.0000e-005**	**1.8126**

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	0.1627	1.4839	1.9141	3.2100e-003		0.0628	0.0628		0.0591	0.0591	0.0000	275.9842	275.9842	0.0649	0.0000	277.6060
Total	**0.1627**	**1.4839**	**1.9141**	**3.2100e-003**		**0.0628**	**0.0628**		**0.0591**	**0.0591**	**0.0000**	**275.9842**	**275.9842**	**0.0649**	**0.0000**	**277.6060**

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	0.6603	21.3295	8.3758	0.1060	3.9625	0.1777	4.1402	1.1432	0.1700	1.3132	0.0000	10,207.8180	10,207.8180	0.1146	1.5040	10,658.8760
Worker	4.6050	3.1157	44.3165	0.1387	17.8707	0.0769	17.9476	4.7454	0.0708	4.8162	0.0000	12,713.4952	12,713.4952	0.2780	0.3127	12,813.6137
Total	**5.2653**	**24.4452**	**52.6923**	**0.2447**	**21.8332**	**0.2546**	**22.0878**	**5.8886**	**0.2408**	**6.1294**	**0.0000**	**22,921.3132**	**22,921.3132**	**0.3925**	**1.8167**	**23,472.4897**

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	0.1627	1.4839	1.9141	3.2100e-003		0.0628	0.0628		0.0591	0.0591	0.0000	275.9838	275.9838	0.0649	0.0000	277.6057
Total	**0.1627**	**1.4839**	**1.9141**	**3.2100e-003**		**0.0628**	**0.0628**		**0.0591**	**0.0591**	**0.0000**	**275.9838**	**275.9838**	**0.0649**	**0.0000**	**277.6057**

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	0.6603	21.3295	8.3758	0.1060	3.9625	0.1777	4.1402	1.1432	0.1700	1.3132	0.0000	10,207.8180	10,207.8180	0.1146	1.5040	10,658.8760
Worker	4.6050	3.1157	44.3165	0.1387	17.8707	0.0769	17.9476	4.7454	0.0708	4.8162	0.0000	12,713.4952	12,713.4952	0.2780	0.3127	12,813.6137
Total	**5.2653**	**24.4452**	**52.6923**	**0.2447**	**21.8332**	**0.2546**	**22.0878**	**5.8886**	**0.2408**	**6.1294**	**0.0000**	**22,921.3132**	**22,921.3132**	**0.3925**	**1.8167**	**23,472.4897**

3.4 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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

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

3.4 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	0.7154	23.1548	9.0983	0.1141	4.3454	0.1940	4.5394	1.2537	0.1856	1.4393	0.0000	10,990.6692	10,990.6692	0.1301	1.6162	11,475.5436
Worker	4.7481	3.0909	45.5600	0.1473	19.5977	0.0799	19.6776	5.2040	0.0735	5.2775	0.0000	13,508.1572	13,508.1572	0.2768	0.3225	13,611.1810
Total	**5.4635**	**26.2457**	**54.6583**	**0.2614**	**23.9431**	**0.2739**	**24.2169**	**6.4577**	**0.2591**	**6.7167**	**0.0000**	**24,498.8263**	**24,498.8263**	**0.4069**	**1.9387**	**25,086.7246**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

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

3.4 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	0.7154	23.1548	9.0983	0.1141	4.3454	0.1940	4.5394	1.2537	0.1856	1.4393	0.0000	10,990.6692	10,990.6692	0.1301	1.6162	11,475.5436
Worker	4.7481	3.0909	45.5600	0.1473	19.5977	0.0799	19.6776	5.2040	0.0735	5.2775	0.0000	13,508.1572	13,508.1572	0.2768	0.3225	13,611.1810
Total	**5.4635**	**26.2457**	**54.6583**	**0.2614**	**23.9431**	**0.2739**	**24.2169**	**6.4577**	**0.2591**	**6.7167**	**0.0000**	**24,498.8263**	**24,498.8263**	**0.4069**	**1.9387**	**25,086.7246**

3.4 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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

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

3.4 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	0.7080	22.9177	9.0274	0.1119	4.3453	0.1929	4.5382	1.2537	0.1846	1.4382	0.0000	10,776.4764	10,776.4764	0.1341	1.5820	11,251.2625
Worker	4.4716	2.8155	42.9507	0.1431	19.5977	0.0749	19.6726	5.2040	0.0690	5.2729	0.0000	13,120.0402	13,120.0402	0.2526	0.3054	13,217.3622
Total	**5.1796**	**25.7333**	**51.9780**	**0.2550**	**23.9430**	**0.2679**	**24.2109**	**6.4576**	**0.2535**	**6.7112**	**0.0000**	**23,896.5165**	**23,896.5165**	**0.3867**	**1.8874**	**24,468.6247**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

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

3.4 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	0.7080	22.9177	9.0274	0.1119	4.3453	0.1929	4.5382	1.2537	0.1846	1.4382	0.0000	10,776.4764	10,776.4764	0.1341	1.5820	11,251.2625
Worker	4.4716	2.8155	42.9507	0.1431	19.5977	0.0749	19.6726	5.2040	0.0690	5.2729	0.0000	13,120.0402	13,120.0402	0.2526	0.3054	13,217.3622
Total	**5.1796**	**25.7333**	**51.9780**	**0.2550**	**23.9430**	**0.2679**	**24.2109**	**6.4576**	**0.2535**	**6.7112**	**0.0000**	**23,896.5165**	**23,896.5165**	**0.3867**	**1.8874**	**24,468.6247**

3.4 Building Construction - 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					
Off-Road	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4953**	**301.4953**	**0.0709**	**0.0000**	**303.2671**

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

3.4 Building Construction - 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	0.6998	22.6419	8.9436	0.1093	4.3286	0.1913	4.5199	1.2489	0.1830	1.4319	0.0000	10,530.3176	10,530.3176	0.1378	1.5430	10,993.5747
Worker	4.2062	2.5753	40.6134	0.1388	19.5226	0.0696	19.5922	5.1840	0.0640	5.2481	0.0000	12,728.0239	12,728.0239	0.2310	0.2900	12,820.2279
Total	**4.9060**	**25.2172**	**49.5570**	**0.2481**	**23.8512**	**0.2609**	**24.1121**	**6.4329**	**0.2470**	**6.6799**	**0.0000**	**23,258.3416**	**23,258.3416**	**0.3687**	**1.8330**	**23,813.8026**

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	**0.1778**	**1.6211**	**2.0910**	**3.5000e-003**		**0.0686**	**0.0686**		**0.0645**	**0.0645**	**0.0000**	**301.4949**	**301.4949**	**0.0709**	**0.0000**	**303.2667**

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

3.4 Building Construction - 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	0.6998	22.6419	8.9436	0.1093	4.3286	0.1913	4.5199	1.2489	0.1830	1.4319	0.0000	10,530.3176	10,530.3176	0.1378	1.5430	10,993.5747
Worker	4.2062	2.5753	40.6134	0.1388	19.5226	0.0696	19.5922	5.1840	0.0640	5.2481	0.0000	12,728.0239	12,728.0239	0.2310	0.2900	12,820.2279
Total	**4.9060**	**25.2172**	**49.5570**	**0.2481**	**23.8512**	**0.2609**	**24.1121**	**6.4329**	**0.2470**	**6.6799**	**0.0000**	**23,258.3416**	**23,258.3416**	**0.3687**	**1.8330**	**23,813.8026**

3.4 Building Construction - 2029

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	**0.1785**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6549**	**302.6549**	**0.0711**	**0.0000**	**304.4335**

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

3.4 Building Construction - 2029

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	0.6980	22.5571	8.9392	0.1077	4.3452	0.1911	4.5363	1.2536	0.1828	1.4364	0.0000	10,377.2131	10,377.2131	0.1424	1.5179	10,833.1000
Worker	3.9852	2.3872	38.8669	0.1360	19.5977	0.0651	19.6628	5.2040	0.0599	5.2639	0.0000	12,473.3871	12,473.3871	0.2136	0.2791	12,561.8907
Total	**4.6832**	**24.9443**	**47.8060**	**0.2437**	**23.9429**	**0.2562**	**24.1991**	**6.4576**	**0.2427**	**6.7003**	**0.0000**	**22,850.6002**	**22,850.6002**	**0.3561**	**1.7969**	**23,394.9908**

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	0.1784	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	**0.1784**	**1.6273**	**2.0991**	**3.5200e-003**		**0.0689**	**0.0689**		**0.0648**	**0.0648**	**0.0000**	**302.6545**	**302.6545**	**0.0711**	**0.0000**	**304.4331**

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

3.4 Building Construction - 2029

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	0.6980	22.5571	8.9392	0.1077	4.3452	0.1911	4.5363	1.2536	0.1828	1.4364	0.0000	10,377.2131	10,377.2131	0.1424	1.5179	10,833.1000
Worker	3.9852	2.3872	38.8669	0.1360	19.5977	0.0651	19.6628	5.2040	0.0599	5.2639	0.0000	12,473.3871	12,473.3871	0.2136	0.2791	12,561.8907
Total	**4.6832**	**24.9443**	**47.8060**	**0.2437**	**23.9429**	**0.2562**	**24.1991**	**6.4576**	**0.2427**	**6.7003**	**0.0000**	**22,850.6002**	**22,850.6002**	**0.3561**	**1.7969**	**23,394.9908**

3.4 Building Construction - 2030

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0336**	**343.0336**	**0.0138**	**0.0000**	**343.3777**

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

3.4 Building Construction - 2030

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	0.6945	22.3959	8.9109	0.1057	4.3452	0.1901	4.5353	1.2536	0.1819	1.4355	0.0000	10,195.0787	10,195.0787	0.1464	1.4887	10,642.3805
Worker	3.7641	2.2177	37.2384	0.1331	19.5977	0.0607	19.6584	5.2040	0.0559	5.2599	0.0000	12,205.3169	12,205.3169	0.1977	0.2689	12,290.3816
Total	**4.4586**	**24.6136**	**46.1493**	**0.2388**	**23.9429**	**0.2508**	**24.1937**	**6.4576**	**0.2377**	**6.6953**	**0.0000**	**22,400.3956**	**22,400.3956**	**0.3440**	**1.7576**	**22,932.7621**

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0332**	**343.0332**	**0.0138**	**0.0000**	**343.3773**

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

3.4 Building Construction - 2030

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	0.6945	22.3959	8.9109	0.1057	4.3452	0.1901	4.5353	1.2536	0.1819	1.4355	0.0000	10,195.0787	10,195.0787	0.1464	1.4887	10,642.3805
Worker	3.7641	2.2177	37.2384	0.1331	19.5977	0.0607	19.6584	5.2040	0.0559	5.2599	0.0000	12,205.3169	12,205.3169	0.1977	0.2689	12,290.3816
Total	**4.4586**	**24.6136**	**46.1493**	**0.2388**	**23.9429**	**0.2508**	**24.1937**	**6.4576**	**0.2377**	**6.6953**	**0.0000**	**22,400.3956**	**22,400.3956**	**0.3440**	**1.7576**	**22,932.7621**

3.4 Building Construction - 2031

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0336**	**343.0336**	**0.0138**	**0.0000**	**343.3777**

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

3.4 Building Construction - 2031

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	0.6916	22.4012	8.9200	0.1039	4.3451	0.1833	4.5284	1.2536	0.1753	1.4289	0.0000	10,019.9441	10,019.9441	0.1501	1.4610	10,459.0637
Worker	3.5514	2.0696	36.1717	0.1308	19.5977	0.0576	19.6552	5.2040	0.0530	5.2569	0.0000	11,991.7651	11,991.7651	0.1845	0.2604	12,073.9846
Total	**4.2430**	**24.4708**	**45.0916**	**0.2347**	**23.9428**	**0.2408**	**24.1837**	**6.4576**	**0.2283**	**6.6859**	**0.0000**	**22,011.7092**	**22,011.7092**	**0.3346**	**1.7214**	**22,533.0483**

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	**0.1708**	**1.0355**	**2.1085**	**4.0400e-003**		**0.0193**	**0.0193**		**0.0193**	**0.0193**	**0.0000**	**343.0332**	**343.0332**	**0.0138**	**0.0000**	**343.3773**

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

3.4 Building Construction - 2031

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	0.6916	22.4012	8.9200	0.1039	4.3451	0.1833	4.5284	1.2536	0.1753	1.4289	0.0000	10,019.9441	10,019.9441	0.1501	1.4610	10,459.0637
Worker	3.5514	2.0696	36.1717	0.1308	19.5977	0.0576	19.6552	5.2040	0.0530	5.2569	0.0000	11,991.7651	11,991.7651	0.1845	0.2604	12,073.9846
Total	**4.2430**	**24.4708**	**45.0916**	**0.2347**	**23.9428**	**0.2408**	**24.1837**	**6.4576**	**0.2283**	**6.6859**	**0.0000**	**22,011.7092**	**22,011.7092**	**0.3346**	**1.7214**	**22,533.0483**

3.4 Building Construction - 2032

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	0.1519	0.9204	1.8742	3.5900e-003		0.0172	0.0172		0.0172	0.0172	0.0000	304.9188	304.9188	0.0122	0.0000	305.2246
Total	**0.1519**	**0.9204**	**1.8742**	**3.5900e-003**		**0.0172**	**0.0172**		**0.0172**	**0.0172**	**0.0000**	**304.9188**	**304.9188**	**0.0122**	**0.0000**	**305.2246**

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

3.4 Building Construction - 2032

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	0.6144	19.7989	7.9350	0.0910	3.8623	0.1623	4.0246	1.1143	0.1552	1.2695	0.0000	8,777.0781	8,777.0781	0.1365	1.2781	9,161.3545
Worker	2.9846	1.7275	31.0332	0.1142	17.4202	0.0479	17.4681	4.6257	0.0441	4.6698	0.0000	10,473.7907	10,473.7907	0.1529	0.2250	10,544.6493
Total	**3.5990**	**21.5264**	**38.9681**	**0.2052**	**21.2825**	**0.2102**	**21.4926**	**5.7401**	**0.1993**	**5.9394**	**0.0000**	**19,250.8688**	**19,250.8688**	**0.2893**	**1.5030**	**19,706.0038**

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	0.1519	0.9204	1.8742	3.5900e-003		0.0172	0.0172		0.0172	0.0172	0.0000	304.9184	304.9184	0.0122	0.0000	305.2242
Total	**0.1519**	**0.9204**	**1.8742**	**3.5900e-003**		**0.0172**	**0.0172**		**0.0172**	**0.0172**	**0.0000**	**304.9184**	**304.9184**	**0.0122**	**0.0000**	**305.2242**

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

3.4 Building Construction - 2032

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	0.6144	19.7989	7.9350	0.0910	3.8623	0.1623	4.0246	1.1143	0.1552	1.2695	0.0000	8,777.0781	8,777.0781	0.1365	1.2781	9,161.3545
Worker	2.9846	1.7275	31.0332	0.1142	17.4202	0.0479	17.4681	4.6257	0.0441	4.6698	0.0000	10,473.7907	10,473.7907	0.1529	0.2250	10,544.6493
Total	**3.5990**	**21.5264**	**38.9681**	**0.2052**	**21.2825**	**0.2102**	**21.4926**	**5.7401**	**0.1993**	**5.9394**	**0.0000**	**19,250.8688**	**19,250.8688**	**0.2893**	**1.5030**	**19,706.0038**

3.5 Paving - 2032

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	0.0208	0.1068	0.2377	4.2000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003	0.0000	36.1493	36.1493	1.6900e-003	0.0000	36.1916
Paving	5.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0261**	**0.1068**	**0.2377**	**4.2000e-004**		**4.9600e-003**	**4.9600e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**36.1493**	**36.1493**	**1.6900e-003**	**0.0000**	**36.1916**

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

3.5 Paving - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	2.5000e-004	4.4100e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.6000e-004	0.0000	1.4869	1.4869	2.0000e-005	3.0000e-005	1.4970
Total	**4.2000e-004**	**2.5000e-004**	**4.4100e-003**	**2.0000e-005**	**2.4700e-003**	**1.0000e-005**	**2.4800e-003**	**6.6000e-004**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**1.4869**	**1.4869**	**2.0000e-005**	**3.0000e-005**	**1.4970**

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	0.0208	0.1068	0.2377	4.2000e-004		4.9600e-003	4.9600e-003		4.9600e-003	4.9600e-003	0.0000	36.1492	36.1492	1.6900e-003	0.0000	36.1916
Paving	5.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0261**	**0.1068**	**0.2377**	**4.2000e-004**		**4.9600e-003**	**4.9600e-003**		**4.9600e-003**	**4.9600e-003**	**0.0000**	**36.1492**	**36.1492**	**1.6900e-003**	**0.0000**	**36.1916**

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

3.5 Paving - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	2.5000e-004	4.4100e-003	2.0000e-005	2.4700e-003	1.0000e-005	2.4800e-003	6.6000e-004	1.0000e-005	6.6000e-004	0.0000	1.4869	1.4869	2.0000e-005	3.0000e-005	1.4970
Total	**4.2000e-004**	**2.5000e-004**	**4.4100e-003**	**2.0000e-005**	**2.4700e-003**	**1.0000e-005**	**2.4800e-003**	**6.6000e-004**	**1.0000e-005**	**6.6000e-004**	**0.0000**	**1.4869**	**1.4869**	**2.0000e-005**	**3.0000e-005**	**1.4970**

3.5 Paving - 2033

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	0.0796	0.4094	0.9114	1.6100e-003		0.0190	0.0190		0.0190	0.0190	0.0000	138.5722	138.5722	6.5000e-003	0.0000	138.7346
Paving	0.0204					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1000**	**0.4094**	**0.9114**	**1.6100e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**	**0.0000**	**138.5722**	**138.5722**	**6.5000e-003**	**0.0000**	**138.7346**

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

3.5 Paving - 2033

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	1.5400e-003	8.9000e-004	0.0164	6.0000e-005	9.4800e-003	2.0000e-005	9.5000e-003	2.5200e-003	2.0000e-005	2.5400e-003	0.0000	5.6111	5.6111	8.0000e-005	1.2000e-004	5.6486
Total	**1.5400e-003**	**8.9000e-004**	**0.0164**	**6.0000e-005**	**9.4800e-003**	**2.0000e-005**	**9.5000e-003**	**2.5200e-003**	**2.0000e-005**	**2.5400e-003**	**0.0000**	**5.6111**	**5.6111**	**8.0000e-005**	**1.2000e-004**	**5.6486**

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	0.0796	0.4094	0.9114	1.6100e-003		0.0190	0.0190		0.0190	0.0190	0.0000	138.5720	138.5720	6.5000e-003	0.0000	138.7345
Paving	0.0204					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1000**	**0.4094**	**0.9114**	**1.6100e-003**		**0.0190**	**0.0190**		**0.0190**	**0.0190**	**0.0000**	**138.5720**	**138.5720**	**6.5000e-003**	**0.0000**	**138.7345**

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

3.5 Paving - 2033

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	1.5400e-003	8.9000e-004	0.0164	6.0000e-005	9.4800e-003	2.0000e-005	9.5000e-003	2.5200e-003	2.0000e-005	2.5400e-003	0.0000	5.6111	5.6111	8.0000e-005	1.2000e-004	5.6486
Total	**1.5400e-003**	**8.9000e-004**	**0.0164**	**6.0000e-005**	**9.4800e-003**	**2.0000e-005**	**9.5000e-003**	**2.5200e-003**	**2.0000e-005**	**2.5400e-003**	**0.0000**	**5.6111**	**5.6111**	**8.0000e-005**	**1.2000e-004**	**5.6486**

3.6 Architectural Coating - 2033

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	4.8595					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4800e-003	0.0621	0.1303	2.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	18.5111	18.5111	7.5000e-004	0.0000	18.5298
Total	**4.8690**	**0.0621**	**0.1303**	**2.2000e-004**		**1.4700e-003**	**1.4700e-003**		**1.4700e-003**	**1.4700e-003**	**0.0000**	**18.5111**	**18.5111**	**7.5000e-004**	**0.0000**	**18.5298**

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

3.6 Architectural Coating - 2033

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	0.3538	0.2043	3.7589	0.0141	2.1778	5.6200e-003	2.1835	0.5783	5.1700e-003	0.5835	0.0000	1,289.0384	1,289.0384	0.0179	0.0275	1,297.6653
Total	**0.3538**	**0.2043**	**3.7589**	**0.0141**	**2.1778**	**5.6200e-003**	**2.1835**	**0.5783**	**5.1700e-003**	**0.5835**	**0.0000**	**1,289.0384**	**1,289.0384**	**0.0179**	**0.0275**	**1,297.6653**

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	4.8595					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4800e-003	0.0621	0.1303	2.2000e-004		1.4700e-003	1.4700e-003		1.4700e-003	1.4700e-003	0.0000	18.5111	18.5111	7.5000e-004	0.0000	18.5298
Total	**4.8690**	**0.0621**	**0.1303**	**2.2000e-004**		**1.4700e-003**	**1.4700e-003**		**1.4700e-003**	**1.4700e-003**	**0.0000**	**18.5111**	**18.5111**	**7.5000e-004**	**0.0000**	**18.5298**

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

3.6 Architectural Coating - 2033

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	0.3538	0.2043	3.7589	0.0141	2.1778	5.6200e-003	2.1835	0.5783	5.1700e-003	0.5835	0.0000	1,289.0384	1,289.0384	0.0179	0.0275	1,297.6653
Total	**0.3538**	**0.2043**	**3.7589**	**0.0141**	**2.1778**	**5.6200e-003**	**2.1835**	**0.5783**	**5.1700e-003**	**0.5835**	**0.0000**	**1,289.0384**	**1,289.0384**	**0.0179**	**0.0275**	**1,297.6653**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Improve Pedestrian Network

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	10.9784	22.8731	123.3129	0.3574	45.7324	0.2734	46.0058	12.2268	0.2577	12.4845	0.0000	33,190.0647	33,190.0647	1.3564	1.8467	33,774.2747
Unmitigated	11.0917	23.2169	125.2923	0.3645	46.6657	0.2787	46.9444	12.4763	0.2627	12.7390	0.0000	33,847.5453	33,847.5453	1.3766	1.8783	34,441.6985

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	14.35	36.06	40.30	60,889	59,671
Condo/Townhouse High Rise	7,459.08	7,459.08	7459.08	25,488,810	24,979,033
Elementary School	1,745.26	0.00	0.00	4,296,319	4,210,392
General Heavy Industry	5,409.24	5,409.24	5409.24	23,953,622	23,474,550
General Heavy Industry	129.93	129.93	129.93	575,366	563,859
Office Park	17,788.56	5,858.08	2714.72	47,067,308	46,125,961
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	6,353.12	6,420.42	5754.15	21,450,034	21,021,033
Single Family Housing	47.20	47.70	42.75	159,361	156,174
Total	38,946.75	25,360.52	21,550.17	123,051,708	120,590,674

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Office Park	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Condo/Townhouse High Rise	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Elementary School	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
General Heavy Industry	0.485700	0.054300	0.165200	0.116500	0.025800	0.006900	0.043500	0.102100	0.000000	0.000000	0.000000	0.000000	0.000000
Office Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Non-Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Single Family Housing	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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	13,050.2717	13,050.2717	1.1015	0.1335	13,117.5958
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	13,089.6697	13,089.6697	1.1048	0.1339	13,157.1971
NaturalGas Mitigated	0.7188	6.4351	4.7593	0.0392		0.4966	0.4966		0.4966	0.4966	0.0000	7,113.6711	7,113.6711	0.1364	0.1304	7,155.9441
NaturalGas Unmitigated	0.7188	6.4351	4.7593	0.0392		0.4966	0.4966		0.4966	0.4966	0.0000	7,113.6711	7,113.6711	0.1364	0.1304	7,155.9441

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					
City Park	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
Condo/Townhouse High Rise	1.46554e+007	0.0790	0.6753	0.2874	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.0696	782.0696	0.0150	0.0143	786.7171
Elementary School	5.07239e+006	0.0274	0.2487	0.2089	1.4900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	270.6819	270.6819	5.1900e-003	4.9600e-003	272.2905
General Heavy Industry	1.97213e+006	0.0106	0.0967	0.0812	5.8000e-004		7.3500e-003	7.3500e-003		7.3500e-003	7.3500e-003	0.0000	105.2404	105.2404	2.0200e-003	1.9300e-003	105.8658
General Heavy Industry	8.21036e+007	0.4427	4.0247	3.3807	0.0242		0.3059	0.3059		0.3059	0.3059	0.0000	4,381.3601	4,381.3601	0.0840	0.0803	4,407.3963
Office Park	1.03231e+007	0.0557	0.5060	0.4251	3.0400e-003		0.0385	0.0385		0.0385	0.0385	0.0000	550.8789	550.8789	0.0106	0.0101	554.1525
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.90371e+007	0.1027	0.8772	0.3733	5.6000e-003		0.0709	0.0709		0.0709	0.0709	0.0000	1,015.8927	1,015.8927	0.0195	0.0186	1,021.9297
Single Family Housing	141435	7.6000e-004	6.5200e-003	2.7700e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.5475	7.5475	1.4000e-004	1.4000e-004	7.5924
Total		**0.7188**	**6.4351**	**4.7593**	**0.0392**		**0.4966**	**0.4966**		**0.4966**	**0.4966**	**0.0000**	**7,113.6711**	**7,113.6711**	**0.1364**	**0.1304**	**7,155.9441**

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					
City Park	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
Condo/Townhouse High Rise	1.46554e+007	0.0790	0.6753	0.2874	4.3100e-003		0.0546	0.0546		0.0546	0.0546	0.0000	782.0696	782.0696	0.0150	0.0143	786.7171
Elementary School	5.07239e+006	0.0274	0.2487	0.2089	1.4900e-003		0.0189	0.0189		0.0189	0.0189	0.0000	270.6819	270.6819	5.1900e-003	4.9600e-003	272.2905
General Heavy Industry	1.97213e+006	0.0106	0.0967	0.0812	5.8000e-004		7.3500e-003	7.3500e-003		7.3500e-003	7.3500e-003	0.0000	105.2404	105.2404	2.0200e-003	1.9300e-003	105.8658
General Heavy Industry	8.21036e+007	0.4427	4.0247	3.3807	0.0242		0.3059	0.3059		0.3059	0.3059	0.0000	4,381.3601	4,381.3601	0.0840	0.0803	4,407.3963
Office Park	1.03231e+007	0.0557	0.5060	0.4251	3.0400e-003		0.0385	0.0385		0.0385	0.0385	0.0000	550.8789	550.8789	0.0106	0.0101	554.1525
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	1.90371e+007	0.1027	0.8772	0.3733	5.6000e-003		0.0709	0.0709		0.0709	0.0709	0.0000	1,015.8927	1,015.8927	0.0195	0.0186	1,021.9297
Single Family Housing	141435	7.6000e-004	6.5200e-003	2.7700e-003	4.0000e-005		5.3000e-004	5.3000e-004		5.3000e-004	5.3000e-004	0.0000	7.5475	7.5475	1.4000e-004	1.4000e-004	7.5924
Total		**0.7188**	**6.4351**	**4.7593**	**0.0392**		**0.4966**	**0.4966**		**0.4966**	**0.4966**	**0.0000**	**7,113.6711**	**7,113.6711**	**0.1364**	**0.1304**	**7,155.9441**

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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.29984e+006	762.5581	0.0644	7.8000e-003	766.4920
Elementary School	4.09177e+006	725.6563	0.0613	7.4200e-003	729.3998
General Heavy Industry	2.51923e+007	4,467.7450	0.3771	0.0457	4,490.7934
General Heavy Industry	605120	107.3153	9.0600e-003	1.1000e-003	107.8690
Office Park	3.42198e+007	6,068.7220	0.5122	0.0621	6,100.0295
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	39823.3	7.0625	6.0000e-004	7.0000e-005	7.0989
Single Family Housing	5.36022e+006	950.6105	0.0802	9.7300e-003	955.5145
Total		**13,089.6697**	**1.1048**	**0.1339**	**13,157.1971**

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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Condo/Townhouse High Rise	4.19167e+006	743.3738	0.0627	7.6100e-003	747.2087
Elementary School	4.09177e+006	725.6563	0.0613	7.4200e-003	729.3998
General Heavy Industry	2.51923e+007	4,467.7450	0.3771	0.0457	4,490.7934
General Heavy Industry	605120	107.3153	9.0600e-003	1.1000e-003	107.8690
Office Park	3.42198e+007	6,068.7220	0.5122	0.0621	6,100.0295
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	38982.7	6.9134	5.8000e-004	7.0000e-005	6.9491
Single Family Housing	5.24708e+006	930.5458	0.0785	9.5200e-003	935.3463
Total		**13,050.2717**	**1.1015**	**0.1335**	**13,117.5958**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Annual

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

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive 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	35.0487	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610
Unmitigated	37.1558	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.5931					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	34.0322					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	0.5306	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610
Total	**37.1558**	**0.2021**	**17.5472**	**9.3000e-004**		**0.0974**	**0.0974**		**0.0974**	**0.0974**	**0.0000**	**28.7684**	**28.7684**	**0.0277**	**0.0000**	**29.4610**

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	0.4860					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	34.0322					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	0.5306	0.2021	17.5472	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7684	28.7684	0.0277	0.0000	29.4610
Total	**35.0487**	**0.2021**	**17.5472**	**9.3000e-004**		**0.0974**	**0.0974**		**0.0974**	**0.0974**	**0.0000**	**28.7684**	**28.7684**	**0.0277**	**0.0000**	**29.4610**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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	4,551.7538	44.7850	1.0914	5,996.6156
Unmitigated	4,614.7642	44.7903	1.0921	6,059.9510

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			
City Park	0 / 21.9233	43.1956	3.6500e-003	4.4000e-004	43.4184
Condo/Townhouse High Rise	66.392 / 41.8558	256.8453	2.1833	0.0535	327.3688
Elementary School	16.9255 / 43.5227	130.2075	0.5621	0.0143	148.5202
General Heavy Industry	601.377 / 0	1,579.4993	19.7131	0.4769	2,214.4455
Office Park	634.865 / 389.111	2,434.1223	20.8755	0.5113	3,108.3807
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	44.1744 / 27.8491	170.8942	1.4527	0.0356	217.8175
Total		**4,614.7642**	**44.7903**	**1.0920**	**6,059.9510**

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			
City Park	0 / 20.5859	40.5607	3.4200e-003	4.1000e-004	40.7699
Condo/Townhouse High Rise	66.392 / 39.3026	251.8147	2.1829	0.0534	322.3122
Elementary School	16.9255 / 40.8678	124.9766	0.5616	0.0143	143.2623
General Heavy Industry	601.377 / 0	1,579.4993	19.7131	0.4769	2,214.4455
Office Park	634.865 / 365.375	2,387.3556	20.8716	0.5108	3,061.3727
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	44.1744 / 26.1503	167.5470	1.4524	0.0356	214.4531
Total		**4,551.7538**	**44.7850**	**1.0914**	**5,996.6156**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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	434.9467	25.7046	0.0000	1,077.5621
Unmitigated	1,739.7868	102.8185	0.0000	4,310.2482

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			
City Park	1.58	0.3207	0.0190	0.0000	0.7946
Condo/Townhouse High Rise	468.74	95.1500	5.6232	0.0000	235.7301
Elementary School	758.81	154.0316	9.1030	0.0000	381.6067
General Heavy Industry	3224.68	654.5809	38.6846	0.0000	1,621.6965
Office Park	3321.96	674.3279	39.8516	0.0000	1,670.6187
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	794.99	161.3758	9.5370	0.0000	399.8017
Total		**1,739.7868**	**102.8185**	**0.0000**	**4,310.2482**

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			
City Park	0.395	0.0802	4.7400e-003	0.0000	0.1987
Condo/Townhouse High Rise	117.185	23.7875	1.4058	0.0000	58.9325
Elementary School	189.702	38.5079	2.2758	0.0000	95.4017
General Heavy Industry	806.17	163.6452	9.6712	0.0000	405.4241
Office Park	830.49	168.5820	9.9629	0.0000	417.6547
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	198.748	40.3440	2.3843	0.0000	99.9504
Total		**434.9467**	**25.7046**	**0.0000**	**1,077.5621**

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

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

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

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Summer

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

Rio Vista Specific Plan - Mitigated

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	3,572.00	1000sqft	82.00	3,572,000.00	0
Elementary School	583.70	1000sqft	13.40	583,704.00	0
General Heavy Industry	2,539.55	1000sqft	58.30	2,539,548.00	0
General Heavy Industry	61.00	1000sqft	1.40	61,000.00	0
Other Asphalt Surfaces	19.60	Acre	19.60	853,776.00	0
Other Non-Asphalt Surfaces	519.80	Acre	519.80	22,642,488.00	0
City Park	18.40	Acre	18.40	801,504.00	0
Condo/Townhouse High Rise	1,019.00	Dwelling Unit	80.30	1,019,000.00	2914
Single Family Housing	673.00	Dwelling Unit	117.70	1,211,400.00	1925
Single Family Housing	5.00	Dwelling Unit	6.40	9,000.00	14

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2034
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 -

Land Use - 917.3 acre Specific Plan with a mixture of residential, commercial, and industrial uses

Construction Phase - Construction to begin January 1, 2034, and occur over 10 years

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Summer

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

Grading -

Architectural Coating - MM AIR-1b

Vehicle Trips - Per Traffic Impact Analysis, the project will generate 38,106 trips

Woodstoves - No hearths

Area Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation - MM AIR-1b

Energy Mitigation -

Water Mitigation -

Waste Mitigation - AB-341

Fleet Mix - Industrial fleet mix per trip generation analysis

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Parking	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	10
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	10
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Summer

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	600.00	80.00
tblConstructionPhase	NumDays	1,550.00	205.00
tblConstructionPhase	NumDays	15,500.00	2,035.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	866.15	0.00
tblFireplaces	NumberGas	576.30	0.00
tblFireplaces	NumberNoFireplace	101.90	0.00
tblFireplaces	NumberNoFireplace	67.80	0.00
tblFireplaces	NumberWood	50.95	0.00
tblFireplaces	NumberWood	33.90	0.00
tblFleetMix	HHD	0.02	0.10
tblFleetMix	LDA	0.55	0.49
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT2	0.18	0.17
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.3850e-003	6.9000e-003
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.12

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

tblFleetMix	MH	3.3760e-003	0.00
tblFleetMix	MHD	0.01	0.04
tblFleetMix	OBUS	5.8700e-004	0.00
tblFleetMix	SBUS	1.0400e-003	0.00
tblFleetMix	UBUS	2.6400e-004	0.00
tblLandUse	LandUseSquareFeet	583,700.00	583,704.00
tblLandUse	LandUseSquareFeet	2,539,550.00	2,539,548.00
tblLandUse	LotAcreage	15.92	80.30
tblLandUse	LotAcreage	218.51	117.70
tblLandUse	LotAcreage	1.62	6.40
tblVehicleTrips	ST_TR	4.91	7.32
tblVehicleTrips	ST_TR	6.42	2.13
tblVehicleTrips	SU_TR	4.09	7.32
tblVehicleTrips	SU_TR	5.09	2.13
tblVehicleTrips	WD_TR	5.44	7.32
tblVehicleTrips	WD_TR	19.52	2.99
tblVehicleTrips	WD_TR	3.93	2.13
tblVehicleTrips	WD_TR	11.07	4.98
tblWoodstoves	NumberCatalytic	50.95	0.00
tblWoodstoves	NumberCatalytic	33.90	0.00
tblWoodstoves	NumberNoncatalytic	50.95	0.00
tblWoodstoves	NumberNoncatalytic	33.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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					
2024	3.2862	32.4172	28.4068	0.0640	19.8582	1.3364	21.0885	10.1558	1.2295	11.2876	0.0000	6,202.1700	6,202.1700	1.9478	4.3600e-003	6,252.1650
2025	50.5748	207.8844	519.9533	2.1733	186.4796	2.6649	189.1445	50.2224	2.5175	52.7399	0.0000	223,982.8366	223,982.8366	4.2326	16.6880	229,061.6660
2026	47.8540	203.8362	491.8260	2.1175	186.4790	2.6241	189.1031	50.2222	2.4796	52.7018	0.0000	218,293.7041	218,293.7041	4.0303	16.2440	223,235.1676
2027	45.3744	200.1427	467.7412	2.0651	186.4785	2.5783	189.0568	50.2220	2.4371	52.6591	0.0000	212,938.2719	212,938.2719	3.8564	15.8177	217,748.3638
2028	43.1582	197.1212	447.7183	2.0174	186.4781	2.5325	189.0106	50.2219	2.3947	52.6166	0.0000	208,069.5744	208,069.5744	3.7155	15.4239	212,758.7872
2029	41.0513	194.4531	430.3157	1.9744	186.4778	2.4886	188.9664	50.2218	2.3540	52.5758	0.0000	203,665.7837	203,665.7837	3.5953	15.0645	208,244.8821
2030	39.0358	187.5324	415.5493	1.9395	186.4776	2.0685	188.5461	50.2217	1.9682	52.1899	0.0000	200,025.9998	200,025.9998	3.0083	14.7364	204,492.6494
2031	37.1591	186.5051	406.3396	1.9062	186.4773	1.9918	188.4691	50.2215	1.8957	52.1173	0.0000	196,610.2721	196,610.2721	2.9297	14.4342	200,984.9069
2032	35.4641	184.6731	395.0979	1.8756	186.4770	1.9582	188.4352	50.2214	1.8646	52.0861	0.0000	193,479.4444	193,479.4444	2.8523	14.1797	197,776.2939
2033	72.5850	7.1348	62.1836	0.2119	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	21,403.9483	21,403.9483	0.2791	0.4011	21,530.4438
Maximum	**72.5850**	**207.8844**	**519.9533**	**2.1733**	**186.4796**	**2.6649**	**189.1445**	**50.2224**	**2.5175**	**52.7399**	**0.0000**	**223,982.8366**	**223,982.8366**	**4.2326**	**16.6880**	**229,061.6660**

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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)

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					
2024	3.2862	32.4172	28.4068	0.0640	7.8674	1.3364	9.0977	3.9933	1.2295	5.1251	0.0000	6,202.1700	6,202.1700	1.9478	4.3600e-003	6,252.1650
2025	50.5748	207.8844	519.9533	2.1733	186.4796	2.6649	189.1445	50.2224	2.5175	52.7399	0.0000	223,982.8366	223,982.8366	4.2326	16.6880	229,061.6660
2026	47.8540	203.8362	491.8260	2.1175	186.4790	2.6241	189.1031	50.2222	2.4796	52.7018	0.0000	218,293.7041	218,293.7041	4.0303	16.2440	223,235.1676
2027	45.3744	200.1427	467.7412	2.0651	186.4785	2.5783	189.0568	50.2220	2.4371	52.6591	0.0000	212,938.2719	212,938.2719	3.8564	15.8177	217,748.3638
2028	43.1582	197.1212	447.7183	2.0174	186.4781	2.5325	189.0106	50.2219	2.3947	52.6166	0.0000	208,069.5744	208,069.5744	3.7155	15.4239	212,758.7872
2029	41.0513	194.4531	430.3157	1.9744	186.4778	2.4886	188.9664	50.2218	2.3540	52.5758	0.0000	203,665.7837	203,665.7837	3.5953	15.0645	208,244.8821
2030	39.0358	187.5324	415.5493	1.9395	186.4776	2.0685	188.5461	50.2217	1.9682	52.1899	0.0000	200,025.9998	200,025.9998	3.0083	14.7364	204,492.6494
2031	37.1591	186.5051	406.3396	1.9062	186.4773	1.9918	188.4691	50.2215	1.8957	52.1173	0.0000	196,610.2721	196,610.2721	2.9297	14.4342	200,984.9069
2032	35.4641	184.6731	395.0979	1.8756	186.4770	1.9582	188.4352	50.2214	1.8646	52.0861	0.0000	193,479.4444	193,479.4444	2.8523	14.1797	197,776.2939
2033	72.5850	7.1348	62.1836	0.2119	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	21,403.9483	21,403.9483	0.2791	0.4011	21,530.4438
Maximum	**72.5850**	**207.8844**	**519.9533**	**2.1733**	**186.4796**	**2.6649**	**189.1445**	**50.2224**	**2.5175**	**52.7399**	**0.0000**	**223,982.8366**	**223,982.8366**	**4.2326**	**16.6880**	**229,061.6660**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.78**	**0.00**	**0.77**	**1.47**	**0.00**	**1.40**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	81.1847	131.4115	854.4157	2.3623	292.9723	1.6826	294.6550	78.2088	1.5853	79.7942		241,584.2316	241,584.2316	9.3525	12.2684	245,474.0247
Total	**290.0542**	**168.2885**	**1,020.8716**	**2.5846**	**292.9723**	**5.1829**	**298.1553**	**78.2088**	**5.0856**	**83.2945**	**0.0000**	**284,804.9396**	**284,804.9396**	**10.4204**	**13.0561**	**288,956.1719**

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	193.3849	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	80.4640	129.4821	840.2804	2.3164	287.1129	1.6509	288.7637	76.6446	1.5554	78.2000		236,881.7567	236,881.7567	9.2107	12.0622	240,706.5526
Total	**277.7876**	**166.3591**	**1,006.7364**	**2.5386**	**287.1129**	**5.1511**	**292.2640**	**76.6446**	**5.0557**	**81.7003**	**0.0000**	**280,102.4647**	**280,102.4647**	**10.2785**	**12.8499**	**284,188.6999**

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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	N20	CO2e
Percent Reduction	4.23	1.15	1.38	1.78	2.00	0.61	1.98	2.00	0.59	1.91	0.00	1.65	1.65	1.36	1.58	1.65

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	1/1/2024	4/19/2024	5	80	
2	Grading	Grading	4/20/2024	1/31/2025	5	205	
3	Building Construction	Building Construction	2/1/2025	11/19/2032	5	2035	
4	Paving	Paving	11/20/2032	6/10/2033	5	145	
5	Architectural Coating	Architectural Coating	6/11/2033	12/30/2033	5	145	

Acres of Grading (Site Preparation Phase): 120

Acres of Grading (Grading Phase): 615

Acres of Paving: 539.4

Residential Indoor: 4,534,785; Residential Outdoor: 1,511,595; Non-Residential Indoor: 10,134,380; Non-Residential Outdoor: 3,378,127; Striped Parking Area: 1,409,776 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Summer

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

Grading	Tractors/Loaders/Backhoes	2	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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13,663.00	5,271.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2,733.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Summer

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

3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
Total	**0.0613**	**0.0362**	**0.6156**	**1.7100e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**173.1792**	**173.1792**	**3.7500e-003**	**3.9200e-003**	**174.4420**

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

3.2 Site Preparation - 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					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**7.6662**	**1.2294**	**8.8956**	**3.9400**	**1.1310**	**5.0710**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
Total	**0.0613**	**0.0362**	**0.6156**	**1.7100e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**173.1792**	**173.1792**	**3.7500e-003**	**3.9200e-003**	**174.4420**

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

3.3 Grading - 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					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**9.2036**	**1.3354**	**10.5390**	**3.6538**	**1.2286**	**4.8823**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	**0.0681**	**0.0402**	**0.6840**	**1.9000e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**192.4214**	**192.4214**	**4.1600e-003**	**4.3600e-003**	**193.8244**

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**3.5894**	**1.3354**	**4.9248**	**1.4250**	**1.2286**	**2.6535**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	**0.0681**	**0.0402**	**0.6840**	**1.9000e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**192.4214**	**192.4214**	**4.1600e-003**	**4.3600e-003**	**193.8244**

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

3.3 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0636	0.0360	0.6361	1.8400e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		185.8596	185.8596	3.7500e-003	4.0700e-003	187.1656
Total	**0.0636**	**0.0360**	**0.6361**	**1.8400e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**185.8596**	**185.8596**	**3.7500e-003**	**4.0700e-003**	**187.1656**

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.5894**	**1.1309**	**4.7203**	**1.4250**	**1.0404**	**2.4654**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0636	0.0360	0.6361	1.8400e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		185.8596	185.8596	3.7500e-003	4.0700e-003	187.1656
Total	**0.0636**	**0.0360**	**0.6361**	**1.8400e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**185.8596**	**185.8596**	**3.7500e-003**	**4.0700e-003**	**187.1656**

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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7710	170.8045	69.3020	0.8901	33.7594	1.4909	35.2503	9.7203	1.4262	11.1465		94,456.3701	94,456.3701	1.0690	13.9090	98,627.9625
Worker	43.4364	24.6103	434.5666	1.2562	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		126,969.9922	126,969.9922	2.5627	2.7790	127,862.2055
Total	**49.2074**	**195.4147**	**503.8686**	**2.1463**	**186.4796**	**2.1374**	**188.6169**	**50.2224**	**2.0213**	**52.2436**		**221,426.3623**	**221,426.3623**	**3.6317**	**16.6880**	**226,490.1680**

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7710	170.8045	69.3020	0.8901	33.7594	1.4909	35.2503	9.7203	1.4262	11.1465		94,456.3701	94,456.3701	1.0690	13.9090	98,627.9625
Worker	43.4364	24.6103	434.5666	1.2562	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		126,969.9922	126,969.9922	2.5627	2.7790	127,862.2055
Total	**49.2074**	**195.4147**	**503.8686**	**2.1463**	**186.4796**	**2.1374**	**188.6169**	**50.2224**	**2.0213**	**52.2436**		**221,426.3623**	**221,426.3623**	**3.6317**	**16.6880**	**226,490.1680**

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7015	169.0939	68.6384	0.8736	33.7589	1.4846	35.2434	9.7201	1.4202	11.1402		92,737.8316	92,737.8316	1.1068	13.6294	96,827.0730
Worker	40.7851	22.2726	407.1030	1.2169	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		122,999.3981	122,999.3981	2.3225	2.6146	123,836.5965
Total	**46.4866**	**191.3665**	**475.7413**	**2.0905**	**186.4790**	**2.0965**	**188.5755**	**50.2222**	**1.9834**	**52.2055**		**215,737.2297**	**215,737.2297**	**3.4294**	**16.2440**	**220,663.6695**

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

3.4 Building Construction - 2026

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7015	169.0939	68.6384	0.8736	33.7589	1.4846	35.2434	9.7201	1.4202	11.1402		92,737.8316	92,737.8316	1.1068	13.6294	96,827.0730
Worker	40.7851	22.2726	407.1030	1.2169	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		122,999.3981	122,999.3981	2.3225	2.6146	123,836.5965
Total	**46.4866**	**191.3665**	**475.7413**	**2.0905**	**186.4790**	**2.0965**	**188.5755**	**50.2222**	**1.9834**	**52.2055**		**215,737.2297**	**215,737.2297**	**3.4294**	**16.2440**	**220,663.6695**

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.6421	167.3757	68.0973	0.8563	33.7584	1.4765	35.2349	9.7199	1.4124	11.1323		90,929.9902	90,929.9902	1.1403	13.3413	94,934.1995
Worker	38.3649	20.2974	383.5593	1.1818	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		119,451.8073	119,451.8073	2.1152	2.4764	120,242.6663
Total	**44.0070**	**187.6730**	**451.6565**	**2.0381**	**186.4785**	**2.0507**	**188.5292**	**50.2220**	**1.9409**	**52.1629**		**210,381.7975**	**210,381.7975**	**3.2554**	**15.8177**	**215,176.8658**

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

3.4 Building Construction - 2027

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.6421	167.3757	68.0973	0.8563	33.7584	1.4765	35.2349	9.7199	1.4124	11.1323		90,929.9902	90,929.9902	1.1403	13.3413	94,934.1995
Worker	38.3649	20.2974	383.5593	1.1818	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		119,451.8073	119,451.8073	2.1152	2.4764	120,242.6663
Total	**44.0070**	**187.6730**	**451.6565**	**2.0381**	**186.4785**	**2.0507**	**188.5292**	**50.2220**	**1.9409**	**52.1629**		**210,381.7975**	**210,381.7975**	**3.2554**	**15.8177**	**215,176.8658**

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

3.4 Building Construction - 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5984	166.0068	67.7193	0.8397	33.7580	1.4696	35.2276	9.7197	1.4059	11.1256		89,194.3575	89,194.3575	1.1761	13.0625	93,116.3913
Worker	36.1924	18.6448	363.9143	1.1508	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		116,318.7425	116,318.7425	1.9385	2.3614	117,070.8978
Total	**41.7908**	**184.6515**	**431.6336**	**1.9905**	**186.4781**	**2.0049**	**188.4831**	**50.2219**	**1.8985**	**52.1203**		**205,513.1000**	**205,513.1000**	**3.1146**	**15.4239**	**210,187.2891**

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

3.4 Building Construction - 2028

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5984	166.0068	67.7193	0.8397	33.7580	1.4696	35.2276	9.7197	1.4059	11.1256		89,194.3575	89,194.3575	1.1761	13.0625	93,116.3913
Worker	36.1924	18.6448	363.9143	1.1508	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		116,318.7425	116,318.7425	1.9385	2.3614	117,070.8978
Total	**41.7908**	**184.6515**	**431.6336**	**1.9905**	**186.4781**	**2.0049**	**188.4831**	**50.2219**	**1.8985**	**52.1203**		**205,513.1000**	**205,513.1000**	**3.1146**	**15.4239**	**210,187.2891**

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

3.4 Building Construction - 2029

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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5621	164.7588	67.4215	0.8240	33.7577	1.4622	35.2199	9.7196	1.3988	11.1184		87,560.5247	87,560.5247	1.2109	12.8007	91,405.3948
Worker	34.1218	17.2247	346.8095	1.1234	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		113,548.7846	113,548.7846	1.7834	2.2638	114,267.9892
Total	**39.6839**	**181.9834**	**414.2310**	**1.9474**	**186.4778**	**1.9610**	**188.4389**	**50.2218**	**1.8578**	**52.0795**		**201,109.3094**	**201,109.3094**	**2.9943**	**15.0645**	**205,673.3840**

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

3.4 Building Construction - 2029

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5621	164.7588	67.4215	0.8240	33.7577	1.4622	35.2199	9.7196	1.3988	11.1184		87,560.5247	87,560.5247	1.2109	12.8007	91,405.3948
Worker	34.1218	17.2247	346.8095	1.1234	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		113,548.7846	113,548.7846	1.7834	2.2638	114,267.9892
Total	**39.6839**	**181.9834**	**414.2310**	**1.9474**	**186.4778**	**1.9610**	**188.4389**	**50.2218**	**1.8578**	**52.0795**		**201,109.3094**	**201,109.3094**	**2.9943**	**15.0645**	**205,673.3840**

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5342	163.5882	67.2044	0.8093	33.7575	1.4550	35.2124	9.7196	1.3918	11.1114		86,023.5098	86,023.5098	1.2441	12.5549	89,795.9843
Worker	32.1924	16.0096	332.1880	1.0992	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		111,104.9433	111,104.9433	1.6479	2.1815	111,796.2122
Total	**37.7266**	**179.5978**	**399.3924**	**1.9085**	**186.4776**	**1.9204**	**188.3979**	**50.2217**	**1.8201**	**52.0417**		**197,128.4530**	**197,128.4530**	**2.8920**	**14.7364**	**201,592.1965**

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5342	163.5882	67.2044	0.8093	33.7575	1.4550	35.2124	9.7196	1.3918	11.1114		86,023.5098	86,023.5098	1.2441	12.5549	89,795.9843
Worker	32.1924	16.0096	332.1880	1.0992	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		111,104.9433	111,104.9433	1.6479	2.1815	111,796.2122
Total	**37.7266**	**179.5978**	**399.3924**	**1.9085**	**186.4776**	**1.9204**	**188.3979**	**50.2217**	**1.8201**	**52.0417**		**197,128.4530**	**197,128.4530**	**2.8920**	**14.7364**	**201,592.1965**

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5105	163.6180	67.2718	0.7952	33.7571	1.4026	35.1598	9.7194	1.3418	11.0612		84,545.4219	84,545.4219	1.2755	12.3207	88,248.8780
Worker	30.3395	14.9524	322.9109	1.0800	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		109,167.3035	109,167.3035	1.5379	2.1135	109,835.5760
Total	**35.8500**	**178.5705**	**390.1826**	**1.8752**	**186.4773**	**1.8437**	**188.3209**	**50.2215**	**1.7476**	**51.9691**		**193,712.7254**	**193,712.7254**	**2.8134**	**14.4342**	**198,084.4540**

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5105	163.6180	67.2718	0.7952	33.7571	1.4026	35.1598	9.7194	1.3418	11.0612		84,545.4219	84,545.4219	1.2755	12.3207	88,248.8780
Worker	30.3395	14.9524	322.9109	1.0800	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		109,167.3035	109,167.3035	1.5379	2.1135	109,835.5760
Total	**35.8500**	**178.5705**	**390.1826**	**1.8752**	**186.4773**	**1.8437**	**188.3209**	**50.2215**	**1.7476**	**51.9691**		**193,712.7254**	**193,712.7254**	**2.8134**	**14.4342**	**198,084.4540**

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5071	162.6907	67.3193	0.7834	33.7568	1.3971	35.1540	9.7193	1.3365	11.0558		83,315.5258	83,315.5258	1.3046	12.1255	86,961.5501
Worker	28.6479	14.0478	311.6217	1.0612	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		107,266.3719	107,266.3719	1.4315	2.0541	107,914.2910
Total	**34.1550**	**176.7384**	**378.9410**	**1.8446**	**186.4770**	**1.8101**	**188.2871**	**50.2214**	**1.7165**	**51.9379**		**190,581.8977**	**190,581.8977**	**2.7361**	**14.1797**	**194,875.8411**

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5071	162.6907	67.3193	0.7834	33.7568	1.3971	35.1540	9.7193	1.3365	11.0558		83,315.5258	83,315.5258	1.3046	12.1255	86,961.5501
Worker	28.6479	14.0478	311.6217	1.0612	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		107,266.3719	107,266.3719	1.4315	2.0541	107,914.2910
Total	**34.1550**	**176.7384**	**378.9410**	**1.8446**	**186.4770**	**1.8101**	**188.2871**	**50.2214**	**1.7165**	**51.9379**		**190,581.8977**	**190,581.8977**	**2.7361**	**14.1797**	**194,875.8411**

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0315	0.0154	0.3421	1.1700e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		117.7630	117.7630	1.5700e-003	2.2600e-003	118.4743
Total	**0.0315**	**0.0154**	**0.3421**	**1.1700e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**117.7630**	**117.7630**	**1.5700e-003**	**2.2600e-003**	**118.4743**

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0315	0.0154	0.3421	1.1700e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		117.7630	117.7630	1.5700e-003	2.2600e-003	118.4743
Total	**0.0315**	**0.0154**	**0.3421**	**1.1700e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**117.7630**	**117.7630**	**1.5700e-003**	**2.2600e-003**	**118.4743**

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0298	0.0146	0.3314	1.1500e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		115.9303	115.9303	1.4700e-003	2.2000e-003	116.6230
Total	**0.0298**	**0.0146**	**0.3314**	**1.1500e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**115.9303**	**115.9303**	**1.4700e-003**	**2.2000e-003**	**116.6230**

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0298	0.0146	0.3314	1.1500e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		115.9303	115.9303	1.4700e-003	2.2000e-003	116.6230
Total	**0.0298**	**0.0146**	**0.3314**	**1.1500e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**115.9303**	**115.9303**	**1.4700e-003**	**2.2000e-003**	**116.6230**

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

3.6 Architectural Coating - 2033

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	67.0274					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**67.1582**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.4269	2.6596	60.3859	0.2090	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		21,122.5002	21,122.5002	0.2677	0.4011	21,248.7110
Total	**5.4269**	**2.6596**	**60.3859**	**0.2090**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**21,122.5002**	**21,122.5002**	**0.2677**	**0.4011**	**21,248.7110**

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

3.6 Architectural Coating - 2033

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	67.0274					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**67.1582**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.4269	2.6596	60.3859	0.2090	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		21,122.5002	21,122.5002	0.2677	0.4011	21,248.7110
Total	**5.4269**	**2.6596**	**60.3859**	**0.2090**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**21,122.5002**	**21,122.5002**	**0.2677**	**0.4011**	**21,248.7110**

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

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	80.4640	129.4821	840.2804	2.3164	287.1129	1.6509	288.7637	76.6446	1.5554	78.2000		236,881.7567	236,881.7567	9.2107	12.0622	240,706.5526
Unmitigated	81.1847	131.4115	854.4157	2.3623	292.9723	1.6826	294.6550	78.2088	1.5853	79.7942		241,584.2316	241,584.2316	9.3525	12.2684	245,474.0247

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	14.35	36.06	40.30	60,889	59,671
Condo/Townhouse High Rise	7,459.08	7,459.08	7459.08	25,488,810	24,979,033
Elementary School	1,745.26	0.00	0.00	4,296,319	4,210,392
General Heavy Industry	5,409.24	5,409.24	5409.24	23,953,622	23,474,550
General Heavy Industry	129.93	129.93	129.93	575,366	563,859
Office Park	17,788.56	5,858.08	2714.72	47,067,308	46,125,961
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	6,353.12	6,420.42	5754.15	21,450,034	21,021,033
Single Family Housing	47.20	47.70	42.75	159,361	156,174
Total	38,946.75	25,360.52	21,550.17	123,051,708	120,590,674

4.3 Trip Type Information

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Summer

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Office Park	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Condo/Townhouse High Rise	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Elementary School	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
General Heavy Industry	0.485700	0.054300	0.165200	0.116500	0.025800	0.006900	0.043500	0.102100	0.000000	0.000000	0.000000	0.000000	0.000000
Office Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Non-Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Single Family Housing	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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					
NaturalGas Mitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
NaturalGas Unmitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456

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					
City Park	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
Condo/Townhouse High Rise	40151.9	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5403.1	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28282.4	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	387.492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52156.5	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

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					
City Park	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
Condo/Townhouse High Rise	40.1519	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13.897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224.941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5.4031	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28.2824	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.387492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52.1565	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Summer

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

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	193.3849	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Unmitigated	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	14.2088					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**204.9309**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

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	2.6627					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**193.3849**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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

Institute Recycling and Composting Services

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

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Winter

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

Rio Vista Specific Plan - Mitigated

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	3,572.00	1000sqft	82.00	3,572,000.00	0
Elementary School	583.70	1000sqft	13.40	583,704.00	0
General Heavy Industry	2,539.55	1000sqft	58.30	2,539,548.00	0
General Heavy Industry	61.00	1000sqft	1.40	61,000.00	0
Other Asphalt Surfaces	19.60	Acre	19.60	853,776.00	0
Other Non-Asphalt Surfaces	519.80	Acre	519.80	22,642,488.00	0
City Park	18.40	Acre	18.40	801,504.00	0
Condo/Townhouse High Rise	1,019.00	Dwelling Unit	80.30	1,019,000.00	2914
Single Family Housing	673.00	Dwelling Unit	117.70	1,211,400.00	1925
Single Family Housing	5.00	Dwelling Unit	6.40	9,000.00	14

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2034
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 -

Land Use - 917.3 acre Specific Plan with a mixture of residential, commercial, and industrial uses

Construction Phase - Construction to begin January 1, 2034, and occur over 10 years

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Winter

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

Grading -

Architectural Coating - MM AIR-1b

Vehicle Trips - Per Traffic Impact Analysis, the project will generate 38,106 trips

Woodstoves - No hearths

Area Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Mobile Land Use Mitigation -

Area Mitigation - MM AIR-1b

Energy Mitigation -

Water Mitigation -

Waste Mitigation - AB-341

Fleet Mix - Industrial fleet mix per trip generation analysis

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	10.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	10.00
tblArchitecturalCoating	EF_Parking	100.00	10.00
tblArchitecturalCoating	EF_Residential_Exterior	50.00	10.00
tblArchitecturalCoating	EF_Residential_Interior	50.00	10.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblAreaMitigation	UseLowVOCPaintParkingValue	100	10
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	50	10
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	50	10
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Winter

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

tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	600.00	80.00
tblConstructionPhase	NumDays	1,550.00	205.00
tblConstructionPhase	NumDays	15,500.00	2,035.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	866.15	0.00
tblFireplaces	NumberGas	576.30	0.00
tblFireplaces	NumberNoFireplace	101.90	0.00
tblFireplaces	NumberNoFireplace	67.80	0.00
tblFireplaces	NumberWood	50.95	0.00
tblFireplaces	NumberWood	33.90	0.00
tblFleetMix	HHD	0.02	0.10
tblFleetMix	LDA	0.55	0.49
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT2	0.18	0.17
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.3850e-003	6.9000e-003
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.12

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

tblFleetMix	MH	3.3760e-003	0.00
tblFleetMix	MHD	0.01	0.04
tblFleetMix	OBUS	5.8700e-004	0.00
tblFleetMix	SBUS	1.0400e-003	0.00
tblFleetMix	UBUS	2.6400e-004	0.00
tblLandUse	LandUseSquareFeet	583,700.00	583,704.00
tblLandUse	LandUseSquareFeet	2,539,550.00	2,539,548.00
tblLandUse	LotAcreage	15.92	80.30
tblLandUse	LotAcreage	218.51	117.70
tblLandUse	LotAcreage	1.62	6.40
tblVehicleTrips	ST_TR	4.91	7.32
tblVehicleTrips	ST_TR	6.42	2.13
tblVehicleTrips	SU_TR	4.09	7.32
tblVehicleTrips	SU_TR	5.09	2.13
tblVehicleTrips	WD_TR	5.44	7.32
tblVehicleTrips	WD_TR	19.52	2.99
tblVehicleTrips	WD_TR	3.93	2.13
tblVehicleTrips	WD_TR	11.07	4.98
tblWoodstoves	NumberCatalytic	50.95	0.00
tblWoodstoves	NumberCatalytic	33.90	0.00
tblWoodstoves	NumberNoncatalytic	50.95	0.00
tblWoodstoves	NumberNoncatalytic	33.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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					
2024	3.2821	32.4186	28.2785	0.0638	19.8582	1.3364	21.0885	10.1558	1.2295	11.2876	0.0000	6,184.1340	6,184.1340	1.9478	4.4600e-003	6,234.1589
2025	47.6535	219.1449	441.2601	2.0581	186.4796	2.6698	189.1494	50.2224	2.5222	52.7446	0.0000	212,349.6737	212,349.6737	4.2166	16.7977	217,460.7919
2026	45.2035	214.9105	418.5698	2.0061	186.4790	2.6288	189.1078	50.2222	2.4841	52.7063	0.0000	207,051.6860	207,051.6860	4.0196	16.3484	212,023.9846
2027	42.9552	211.0484	399.1113	1.9571	186.4785	2.5828	189.0613	50.2220	2.4415	52.6635	0.0000	202,040.9107	202,040.9107	3.8499	15.9175	206,880.5792
2028	40.9320	207.8909	382.9139	1.9125	186.4781	2.5370	189.0151	50.2219	2.3990	52.6209	0.0000	197,472.6213	197,472.6213	3.7117	15.5198	202,190.3058
2029	39.0062	205.1032	368.8099	1.8720	186.4778	2.4930	188.9708	50.2218	2.3582	52.5800	0.0000	193,330.9035	193,330.9035	3.5938	15.1569	197,937.5096
2030	37.1531	198.0757	356.8444	1.8394	186.4776	2.0728	188.5503	50.2217	1.9723	52.1939	0.0000	189,919.7395	189,919.7395	3.0082	14.8258	194,413.0451
2031	35.4181	197.0455	349.0252	1.8076	186.4773	1.9960	188.4733	50.2215	1.8997	52.1213	0.0000	186,664.0801	186,664.0801	2.9284	14.5210	191,064.5507
2032	33.8608	195.1439	339.9428	1.7788	186.4770	1.9624	188.4393	50.2214	1.8686	52.0900	0.0000	183,708.9646	183,708.9646	2.8520	14.2644	188,031.0440
2033	72.3750	7.1353	51.0393	0.1925	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	19,437.8590	19,437.8590	0.2832	0.4097	19,567.0304
Maximum	**72.3750**	**219.1449**	**441.2601**	**2.0581**	**186.4796**	**2.6698**	**189.1494**	**50.2224**	**2.5222**	**52.7446**	**0.0000**	**212,349.6737**	**212,349.6737**	**4.2166**	**16.7977**	**217,460.7919**

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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)

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					
2024	3.2821	32.4186	28.2785	0.0638	7.8674	1.3364	9.0977	3.9933	1.2295	5.1251	0.0000	6,184.1340	6,184.1340	1.9478	4.4600e-003	6,234.1589
2025	47.6535	219.1449	441.2601	2.0581	186.4796	2.6698	189.1494	50.2224	2.5222	52.7446	0.0000	212,349.6737	212,349.6737	4.2166	16.7977	217,460.7919
2026	45.2035	214.9105	418.5698	2.0061	186.4790	2.6288	189.1078	50.2222	2.4841	52.7063	0.0000	207,051.6860	207,051.6860	4.0196	16.3484	212,023.9846
2027	42.9552	211.0484	399.1113	1.9571	186.4785	2.5828	189.0613	50.2220	2.4415	52.6635	0.0000	202,040.9107	202,040.9107	3.8499	15.9175	206,880.5792
2028	40.9320	207.8909	382.9139	1.9125	186.4781	2.5370	189.0151	50.2219	2.3990	52.6209	0.0000	197,472.6213	197,472.6213	3.7117	15.5198	202,190.3058
2029	39.0062	205.1032	368.8099	1.8720	186.4778	2.4930	188.9708	50.2218	2.3582	52.5800	0.0000	193,330.9035	193,330.9035	3.5938	15.1569	197,937.5096
2030	37.1531	198.0757	356.8444	1.8394	186.4776	2.0728	188.5503	50.2217	1.9723	52.1939	0.0000	189,919.7395	189,919.7395	3.0082	14.8258	194,413.0451
2031	35.4181	197.0455	349.0252	1.8076	186.4773	1.9960	188.4733	50.2215	1.8997	52.1213	0.0000	186,664.0801	186,664.0801	2.9284	14.5210	191,064.5507
2032	33.8608	195.1439	339.9428	1.7788	186.4770	1.9624	188.4393	50.2214	1.8686	52.0900	0.0000	183,708.9646	183,708.9646	2.8520	14.2644	188,031.0440
2033	72.3750	7.1353	51.0393	0.1925	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	19,437.8590	19,437.8590	0.2832	0.4097	19,567.0304
Maximum	**72.3750**	**219.1449**	**441.2601**	**2.0581**	**186.4796**	**2.6698**	**189.1494**	**50.2224**	**2.5222**	**52.7446**	**0.0000**	**212,349.6737**	**212,349.6737**	**4.2166**	**16.7977**	**217,460.7919**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.78**	**0.00**	**0.77**	**1.47**	**0.00**	**1.40**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	68.6599	139.9238	757.9574	2.2039	292.9723	1.6844	294.6567	78.2088	1.5870	79.7958		225,552.6847	225,552.6847	9.5184	12.4662	229,505.5782
Total	**277.5295**	**176.8008**	**924.4133**	**2.4261**	**292.9723**	**5.1846**	**298.1570**	**78.2088**	**5.0873**	**83.2961**	**0.0000**	**268,773.3927**	**268,773.3927**	**10.5863**	**13.2540**	**272,987.7255**

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	193.3849	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	67.9472	137.8728	746.1179	2.1610	287.1129	1.6526	288.7655	76.6446	1.5570	78.2017		221,173.2749	221,173.2749	9.3795	12.2572	225,060.4218
Total	**265.2707**	**174.7498**	**912.5738**	**2.3833**	**287.1129**	**5.1529**	**292.2658**	**76.6446**	**5.0573**	**81.7020**	**0.0000**	**264,393.9829**	**264,393.9829**	**10.4474**	**13.0450**	**268,542.5690**

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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	N20	CO2e
Percent Reduction	4.42	1.16	1.28	1.76	2.00	0.61	1.98	2.00	0.59	1.91	0.00	1.63	1.63	1.31	1.58	1.63

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	1/1/2024	4/19/2024	5	80	
2	Grading	Grading	4/20/2024	1/31/2025	5	205	
3	Building Construction	Building Construction	2/1/2025	11/19/2032	5	2035	
4	Paving	Paving	11/20/2032	6/10/2033	5	145	
5	Architectural Coating	Architectural Coating	6/11/2033	12/30/2033	5	145	

Acres of Grading (Site Preparation Phase): 120

Acres of Grading (Grading Phase): 615

Acres of Paving: 539.4

Residential Indoor: 4,534,785; Residential Outdoor: 1,511,595; Non-Residential Indoor: 10,134,380; Non-Residential Outdoor: 3,378,127; Striped Parking Area: 1,409,776 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

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

Grading	Tractors/Loaders/Backhoes	2	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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13,663.00	5,271.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2,733.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

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

3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
Total	**0.0576**	**0.0375**	**0.5001**	**1.5500e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**156.9468**	**156.9468**	**3.7400e-003**	**4.0100e-003**	**158.2365**

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Winter

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

3.2 Site Preparation - 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					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**7.6662**	**1.2294**	**8.8956**	**3.9400**	**1.1310**	**5.0710**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
Total	**0.0576**	**0.0375**	**0.5001**	**1.5500e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**156.9468**	**156.9468**	**3.7400e-003**	**4.0100e-003**	**158.2365**

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

3.3 Grading - 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					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**9.2036**	**1.3354**	**10.5390**	**3.6538**	**1.2286**	**4.8823**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	**0.0640**	**0.0417**	**0.5557**	**1.7300e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**174.3853**	**174.3853**	**4.1600e-003**	**4.4600e-003**	**175.8183**

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**3.5894**	**1.3354**	**4.9248**	**1.4250**	**1.2286**	**2.6535**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	**0.0640**	**0.0417**	**0.5557**	**1.7300e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**174.3853**	**174.3853**	**4.1600e-003**	**4.4600e-003**	**175.8183**

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

3.3 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0374	0.5175	1.6700e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		168.4834	168.4834	3.7600e-003	4.1600e-003	169.8174
Total	**0.0600**	**0.0374**	**0.5175**	**1.6700e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**168.4834**	**168.4834**	**3.7600e-003**	**4.1600e-003**	**169.8174**

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.5894**	**1.1309**	**4.7203**	**1.4250**	**1.0404**	**2.4654**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0374	0.5175	1.6700e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		168.4834	168.4834	3.7600e-003	4.1600e-003	169.8174
Total	**0.0600**	**0.0374**	**0.5175**	**1.6700e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**168.4834**	**168.4834**	**3.7600e-003**	**4.1600e-003**	**169.8174**

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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.3347	181.1588	71.6800	0.8924	33.7594	1.4958	35.2552	9.7203	1.4309	11.1512		94,693.7919	94,693.7919	1.0494	13.9548	98,878.5587
Worker	40.9514	25.5164	353.4954	1.1387	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		115,099.4074	115,099.4074	2.5662	2.8429	116,010.7351
Total	**46.2861**	**206.6752**	**425.1754**	**2.0311**	**186.4796**	**2.1423**	**188.6219**	**50.2224**	**2.0260**	**52.2483**		**209,793.1994**	**209,793.1994**	**3.6156**	**16.7977**	**214,889.2938**

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.3347	181.1588	71.6800	0.8924	33.7594	1.4958	35.2552	9.7203	1.4309	11.1512		94,693.7919	94,693.7919	1.0494	13.9548	98,878.5587
Worker	40.9514	25.5164	353.4954	1.1387	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		115,099.4074	115,099.4074	2.5662	2.8429	116,010.7351
Total	**46.2861**	**206.6752**	**425.1754**	**2.0311**	**186.4796**	**2.1423**	**188.6219**	**50.2224**	**2.0260**	**52.2483**		**209,793.1994**	**209,793.1994**	**3.6156**	**16.7977**	**214,889.2938**

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2670	179.3548	71.0141	0.8758	33.7589	1.4893	35.2481	9.7201	1.4247	11.1447		92,971.9435	92,971.9435	1.0873	13.6742	97,074.0476
Worker	38.5692	23.0860	331.4711	1.1033	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		111,523.2681	111,523.2681	2.3314	2.6741	112,378.4390
Total	**43.8361**	**202.4408**	**402.4852**	**1.9792**	**186.4790**	**2.1012**	**188.5802**	**50.2222**	**1.9879**	**52.2100**		**204,495.2116**	**204,495.2116**	**3.4187**	**16.3484**	**209,452.4866**

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

3.4 Building Construction - 2026

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2670	179.3548	71.0141	0.8758	33.7589	1.4893	35.2481	9.7201	1.4247	11.1447		92,971.9435	92,971.9435	1.0873	13.6742	97,074.0476
Worker	38.5692	23.0860	331.4711	1.1033	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		111,523.2681	111,523.2681	2.3314	2.6741	112,378.4390
Total	**43.8361**	**202.4408**	**402.4852**	**1.9792**	**186.4790**	**2.1012**	**188.5802**	**50.2222**	**1.9879**	**52.2100**		**204,495.2116**	**204,495.2116**	**3.4187**	**16.3484**	**209,452.4866**

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Winter

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2089	177.5462	70.4718	0.8585	33.7584	1.4811	35.2394	9.7199	1.4168	11.1367		91,160.7555	91,160.7555	1.1207	13.3851	95,177.5343
Worker	36.3789	21.0325	312.5549	1.0717	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		108,323.6809	108,323.6809	2.1283	2.5324	109,131.5468
Total	**41.5878**	**198.5787**	**383.0267**	**1.9302**	**186.4785**	**2.0553**	**188.5338**	**50.2220**	**1.9452**	**52.1672**		**199,484.4364**	**199,484.4364**	**3.2490**	**15.9175**	**204,309.0811**

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

3.4 Building Construction - 2027

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2089	177.5462	70.4718	0.8585	33.7584	1.4811	35.2394	9.7199	1.4168	11.1367		91,160.7555	91,160.7555	1.1207	13.3851	95,177.5343
Worker	36.3789	21.0325	312.5549	1.0717	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		108,323.6809	108,323.6809	2.1283	2.5324	109,131.5468
Total	**41.5878**	**198.5787**	**383.0267**	**1.9302**	**186.4785**	**2.0553**	**188.5338**	**50.2220**	**1.9452**	**52.1672**		**199,484.4364**	**199,484.4364**	**3.2490**	**15.9175**	**204,309.0811**

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

3.4 Building Construction - 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1664	176.1073	70.0963	0.8418	33.7580	1.4741	35.2321	9.7197	1.4101	11.1299		89,421.5056	89,421.5056	1.1565	13.1054	93,355.8369
Worker	34.3982	19.3139	296.7330	1.0437	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		105,494.6413	105,494.6413	1.9543	2.4143	106,262.9708
Total	**39.5646**	**195.4212**	**366.8293**	**1.8855**	**186.4781**	**2.0094**	**188.4875**	**50.2219**	**1.9027**	**52.1246**		**194,916.1469**	**194,916.1469**	**3.1108**	**15.5198**	**199,618.8078**

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

3.4 Building Construction - 2028

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1664	176.1073	70.0963	0.8418	33.7580	1.4741	35.2321	9.7197	1.4101	11.1299		89,421.5056	89,421.5056	1.1565	13.1054	93,355.8369
Worker	34.3982	19.3139	296.7330	1.0437	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		105,494.6413	105,494.6413	1.9543	2.4143	106,262.9708
Total	**39.5646**	**195.4212**	**366.8293**	**1.8855**	**186.4781**	**2.0094**	**188.4875**	**50.2219**	**1.9027**	**52.1246**		**194,916.1469**	**194,916.1469**	**3.1108**	**15.5198**	**199,618.8078**

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2029

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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1314	174.7967	69.8012	0.8261	33.7577	1.4666	35.2243	9.7196	1.4029	11.1226		87,784.0528	87,784.0528	1.1913	12.8427	91,640.9690
Worker	32.5074	17.8368	282.9240	1.0189	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		102,990.3763	102,990.3763	1.8015	2.3142	103,725.0426
Total	**37.6388**	**192.6335**	**352.7252**	**1.8450**	**186.4778**	**1.9654**	**188.4432**	**50.2218**	**1.8619**	**52.0837**		**190,774.4291**	**190,774.4291**	**2.9928**	**15.1569**	**195,366.0116**

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

3.4 Building Construction - 2029

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1314	174.7967	69.8012	0.8261	33.7577	1.4666	35.2243	9.7196	1.4029	11.1226		87,784.0528	87,784.0528	1.1913	12.8427	91,640.9690
Worker	32.5074	17.8368	282.9240	1.0189	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		102,990.3763	102,990.3763	1.8015	2.3142	103,725.0426
Total	**37.6388**	**192.6335**	**352.7252**	**1.8450**	**186.4778**	**1.9654**	**188.4432**	**50.2218**	**1.8619**	**52.0837**		**190,774.4291**	**190,774.4291**	**2.9928**	**15.1569**	**195,366.0116**

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.1048	173.5696	69.5876	0.8114	33.7575	1.4592	35.2167	9.7196	1.3959	11.1155		86,243.6047	86,243.6047	1.2245	12.5963	90,027.8997
Worker	30.7392	16.5716	271.0999	0.9970	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		100,778.5881	100,778.5881	1.6675	2.2296	101,484.6926
Total	**35.8440**	**190.1411**	**340.6874**	**1.8084**	**186.4776**	**1.9246**	**188.4022**	**50.2217**	**1.8241**	**52.0458**		**187,022.1928**	**187,022.1928**	**2.8920**	**14.8258**	**191,512.5923**

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.1048	173.5696	69.5876	0.8114	33.7575	1.4592	35.2167	9.7196	1.3959	11.1155		86,243.6047	86,243.6047	1.2245	12.5963	90,027.8997
Worker	30.7392	16.5716	271.0999	0.9970	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		100,778.5881	100,778.5881	1.6675	2.2296	101,484.6926
Total	**35.8440**	**190.1411**	**340.6874**	**1.8084**	**186.4776**	**1.9246**	**188.4022**	**50.2217**	**1.8241**	**52.0458**		**187,022.1928**	**187,022.1928**	**2.8920**	**14.8258**	**191,512.5923**

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0816	173.6436	69.6609	0.7972	33.7571	1.4068	35.1639	9.7194	1.3458	11.0652		84,762.5560	84,762.5560	1.2558	12.3614	88,477.6504
Worker	29.0274	15.4673	263.2073	0.9795	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		99,003.9773	99,003.9773	1.5563	2.1596	99,686.4474
Total	**34.1090**	**189.1109**	**332.8682**	**1.7767**	**186.4773**	**1.8479**	**188.3251**	**50.2215**	**1.7516**	**51.9731**		**183,766.5333**	**183,766.5333**	**2.8121**	**14.5210**	**188,164.0979**

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0816	173.6436	69.6609	0.7972	33.7571	1.4068	35.1639	9.7194	1.3458	11.0652		84,762.5560	84,762.5560	1.2558	12.3614	88,477.6504
Worker	29.0274	15.4673	263.2073	0.9795	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		99,003.9773	99,003.9773	1.5563	2.1596	99,686.4474
Total	**34.1090**	**189.1109**	**332.8682**	**1.7767**	**186.4773**	**1.8479**	**188.3251**	**50.2215**	**1.7516**	**51.9731**		**183,766.5333**	**183,766.5333**	**2.8121**	**14.5210**	**188,164.0979**

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0783	172.6838	69.7212	0.7854	33.7568	1.4012	35.1581	9.7193	1.3404	11.0598		83,530.1100	83,530.1100	1.2849	12.1657	87,187.6175
Worker	27.4734	14.5255	254.0646	0.9624	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		97,281.3079	97,281.3079	1.4509	2.0986	97,942.9737
Total	**32.5517**	**187.2093**	**323.7858**	**1.7478**	**186.4770**	**1.8142**	**188.2912**	**50.2214**	**1.7204**	**51.9419**		**180,811.4179**	**180,811.4179**	**2.7358**	**14.2644**	**185,130.5912**

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0783	172.6838	69.7212	0.7854	33.7568	1.4012	35.1581	9.7193	1.3404	11.0598		83,530.1100	83,530.1100	1.2849	12.1657	87,187.6175
Worker	27.4734	14.5255	254.0646	0.9624	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		97,281.3079	97,281.3079	1.4509	2.0986	97,942.9737
Total	**32.5517**	**187.2093**	**323.7858**	**1.7478**	**186.4770**	**1.8142**	**188.2912**	**50.2214**	**1.7204**	**51.9419**		**180,811.4179**	**180,811.4179**	**2.7358**	**14.2644**	**185,130.5912**

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0302	0.0160	0.2789	1.0600e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		106.8008	106.8008	1.5900e-003	2.3000e-003	107.5272
Total	**0.0302**	**0.0160**	**0.2789**	**1.0600e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**106.8008**	**106.8008**	**1.5900e-003**	**2.3000e-003**	**107.5272**

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0302	0.0160	0.2789	1.0600e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		106.8008	106.8008	1.5900e-003	2.3000e-003	107.5272
Total	**0.0302**	**0.0160**	**0.2789**	**1.0600e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**106.8008**	**106.8008**	**1.5900e-003**	**2.3000e-003**	**107.5272**

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0286	0.0151	0.2703	1.0400e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		105.1395	105.1395	1.4900e-003	2.2500e-003	105.8469
Total	**0.0286**	**0.0151**	**0.2703**	**1.0400e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**105.1395**	**105.1395**	**1.4900e-003**	**2.2500e-003**	**105.8469**

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0286	0.0151	0.2703	1.0400e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		105.1395	105.1395	1.4900e-003	2.2500e-003	105.8469
Total	**0.0286**	**0.0151**	**0.2703**	**1.0400e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**105.1395**	**105.1395**	**1.4900e-003**	**2.2500e-003**	**105.8469**

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

3.6 Architectural Coating - 2033

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	67.0274					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**67.1582**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.2168	2.7491	49.2416	0.1895	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		19,156.4110	19,156.4110	0.2718	0.4097	19,285.2976
Total	**5.2168**	**2.7491**	**49.2416**	**0.1895**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**19,156.4110**	**19,156.4110**	**0.2718**	**0.4097**	**19,285.2976**

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

3.6 Architectural Coating - 2033

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	67.0274					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**67.1582**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.2168	2.7491	49.2416	0.1895	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		19,156.4110	19,156.4110	0.2718	0.4097	19,285.2976
Total	**5.2168**	**2.7491**	**49.2416**	**0.1895**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**19,156.4110**	**19,156.4110**	**0.2718**	**0.4097**	**19,285.2976**

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

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	67.9472	137.8728	746.1179	2.1610	287.1129	1.6526	288.7655	76.6446	1.5570	78.2017		221,173.2749	221,173.2749	9.3795	12.2572	225,060.4218
Unmitigated	68.6599	139.9238	757.9574	2.2039	292.9723	1.6844	294.6567	78.2088	1.5870	79.7958		225,552.6847	225,552.6847	9.5184	12.4662	229,505.5782

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	14.35	36.06	40.30	60,889	59,671
Condo/Townhouse High Rise	7,459.08	7,459.08	7459.08	25,488,810	24,979,033
Elementary School	1,745.26	0.00	0.00	4,296,319	4,210,392
General Heavy Industry	5,409.24	5,409.24	5409.24	23,953,622	23,474,550
General Heavy Industry	129.93	129.93	129.93	575,366	563,859
Office Park	17,788.56	5,858.08	2714.72	47,067,308	46,125,961
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	6,353.12	6,420.42	5754.15	21,450,034	21,021,033
Single Family Housing	47.20	47.70	42.75	159,361	156,174
Total	38,946.75	25,360.52	21,550.17	123,051,708	120,590,674

4.3 Trip Type Information

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Winter

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
General Heavy Industry	16.60	8.40	6.90	59.00	28.00	13.00	92	5	3
Office Park	16.60	8.40	6.90	33.00	48.00	19.00	82	15	3
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Condo/Townhouse High Rise	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Elementary School	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
General Heavy Industry	0.485700	0.054300	0.165200	0.116500	0.025800	0.006900	0.043500	0.102100	0.000000	0.000000	0.000000	0.000000	0.000000
Office Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Non-Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Single Family Housing	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, 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					
NaturalGas Mitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
NaturalGas Unmitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456

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					
City Park	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
Condo/Townhouse High Rise	40151.9	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5403.1	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28282.4	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	387.492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52156.5	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

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					
City Park	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
Condo/Townhouse High Rise	40.1519	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13.897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224.941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5.4031	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28.2824	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.387492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52.1565	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Winter

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

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	193.3849	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Unmitigated	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017

Rio Vista Specific Plan - Mitigated - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	14.2088					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**204.9309**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

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	2.6627					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**193.3849**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

7.0 Water Detail

7.1 Mitigation Measures Water

Use Water Efficient Irrigation System

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

Institute Recycling and Composting Services

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

Rio Vista Specific Plan - LST - Riverside-South Coast County, Summer

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

Rio Vista Specific Plan - LST

Riverside-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	3,572.00	1000sqft	82.00	3,572,000.00	0
Elementary School	583.70	1000sqft	13.40	583,704.00	0
General Heavy Industry	2,539.55	1000sqft	58.30	2,539,548.00	0
General Heavy Industry	61.00	1000sqft	1.40	61,000.00	0
Other Asphalt Surfaces	19.60	Acre	19.60	853,776.00	0
Other Non-Asphalt Surfaces	519.80	Acre	519.80	22,642,488.00	0
City Park	18.40	Acre	18.40	801,504.00	0
Condo/Townhouse High Rise	1,019.00	Dwelling Unit	80.30	1,019,000.00	2914
Single Family Housing	673.00	Dwelling Unit	117.70	1,211,400.00	1925
Single Family Housing	5.00	Dwelling Unit	6.40	9,000.00	14

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2034
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 -

Land Use - 917.3 acre Specific Plan with a mixture of residential, commercial, and industrial uses

Construction Phase - Construction to begin January 1, 2034, and occur over 10 years

Rio Vista Specific Plan - LST - Riverside-South Coast County, Summer

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

Grading -

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - Per Traffic Impact Analysis, the project will generate 38,106 trips. For LST analysis, a maximum onsite trip length of 3.5 miles is estimated.

Woodstoves - No hearths

Area Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Fleet Mix - Industrial fleet mix per trip generation analysis

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	600.00	80.00
tblConstructionPhase	NumDays	1,550.00	205.00
tblConstructionPhase	NumDays	15,500.00	2,035.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	866.15	0.00
tblFireplaces	NumberGas	576.30	0.00
tblFireplaces	NumberNoFireplace	101.90	0.00
tblFireplaces	NumberNoFireplace	67.80	0.00
tblFireplaces	NumberWood	50.95	0.00

Rio Vista Specific Plan - LST - Riverside-South Coast County, Summer

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

tblFireplaces	NumberWood	33.90	0.00
tblFleetMix	HHD	0.02	0.10
tblFleetMix	LDA	0.55	0.49
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT2	0.18	0.17
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.3850e-003	6.9000e-003
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.12
tblFleetMix	MH	3.3760e-003	0.00
tblFleetMix	MHD	0.01	0.04
tblFleetMix	OBUS	5.8700e-004	0.00
tblFleetMix	SBUS	1.0400e-003	0.00
tblFleetMix	UBUS	2.6400e-004	0.00
tblLandUse	LandUseSquareFeet	583,700.00	583,704.00
tblLandUse	LandUseSquareFeet	2,539,550.00	2,539,548.00
tblLandUse	LotAcreage	15.92	80.30
tblLandUse	LotAcreage	218.51	117.70
tblLandUse	LotAcreage	1.62	6.40
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CNW_TL	6.90	3.50
tblVehicleTrips	CNW_TL	6.90	3.50
tblVehicleTrips	CNW_TL	6.90	3.50
tblVehicleTrips	CNW_TL	6.90	3.50

Rio Vista Specific Plan - LST - Riverside-South Coast County, Summer

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

tblVehicleTrips	CNW_TL	6.90	3.50
tblVehicleTrips	CNW_TL	6.90	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	HO_TL	8.70	3.50
tblVehicleTrips	HO_TL	8.70	3.50
tblVehicleTrips	HS_TL	5.90	3.50
tblVehicleTrips	HS_TL	5.90	3.50
tblVehicleTrips	HW_TL	14.70	3.50
tblVehicleTrips	HW_TL	14.70	3.50
tblVehicleTrips	ST_TR	4.91	7.32
tblVehicleTrips	ST_TR	6.42	2.13
tblVehicleTrips	SU_TR	4.09	7.32
tblVehicleTrips	SU_TR	5.09	2.13
tblVehicleTrips	WD_TR	5.44	7.32
tblVehicleTrips	WD_TR	19.52	2.99
tblVehicleTrips	WD_TR	3.93	2.13
tblVehicleTrips	WD_TR	11.07	4.98
tblWoodstoves	NumberCatalytic	50.95	0.00
tblWoodstoves	NumberCatalytic	33.90	0.00
tblWoodstoves	NumberNoncatalytic	50.95	0.00
tblWoodstoves	NumberNoncatalytic	33.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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

tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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					
2024	3.2862	32.4172	28.4068	0.0640	19.8582	1.3364	21.0885	10.1558	1.2295	11.2876	0.0000	6,202.1700	6,202.1700	1.9478	4.3600e-003	6,252.1650
2025	50.5748	207.8844	519.9533	2.1733	186.4796	2.6649	189.1445	50.2224	2.5175	52.7399	0.0000	223,982.8366	223,982.8366	4.2326	16.6880	229,061.6660
2026	47.8540	203.8362	491.8260	2.1175	186.4790	2.6241	189.1031	50.2222	2.4796	52.7018	0.0000	218,293.7041	218,293.7041	4.0303	16.2440	223,235.1676
2027	45.3744	200.1427	467.7412	2.0651	186.4785	2.5783	189.0568	50.2220	2.4371	52.6591	0.0000	212,938.2719	212,938.2719	3.8564	15.8177	217,748.3638
2028	43.1582	197.1212	447.7183	2.0174	186.4781	2.5325	189.0106	50.2219	2.3947	52.6166	0.0000	208,069.5744	208,069.5744	3.7155	15.4239	212,758.7872
2029	41.0513	194.4531	430.3157	1.9744	186.4778	2.4886	188.9664	50.2218	2.3540	52.5758	0.0000	203,665.7837	203,665.7837	3.5953	15.0645	208,244.8821
2030	39.0358	187.5324	415.5493	1.9395	186.4776	2.0685	188.5461	50.2217	1.9682	52.1899	0.0000	200,025.9998	200,025.9998	3.0083	14.7364	204,492.6494
2031	37.1591	186.5051	406.3396	1.9062	186.4773	1.9918	188.4691	50.2215	1.8957	52.1173	0.0000	196,610.2721	196,610.2721	2.9297	14.4342	200,984.9069
2032	35.4641	184.6731	395.0979	1.8756	186.4770	1.9582	188.4352	50.2214	1.8646	52.0861	0.0000	193,479.4444	193,479.4444	2.8523	14.1797	197,776.2939
2033	363.2268	7.1348	62.1836	0.2119	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	21,403.9483	21,403.9483	0.2791	0.4011	21,530.4438
Maximum	**363.2268**	**207.8844**	**519.9533**	**2.1733**	**186.4796**	**2.6649**	**189.1445**	**50.2224**	**2.5175**	**52.7399**	**0.0000**	**223,982.8366**	**223,982.8366**	**4.2326**	**16.6880**	**229,061.6660**

Rio Vista Specific Plan - LST - Riverside-South Coast County, 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)

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					
2024	3.2862	32.4172	28.4068	0.0640	7.8674	1.3364	9.0977	3.9933	1.2295	5.1251	0.0000	6,202.1700	6,202.1700	1.9478	4.3600e-003	6,252.1650
2025	50.5748	207.8844	519.9533	2.1733	186.4796	2.6649	189.1445	50.2224	2.5175	52.7399	0.0000	223,982.8366	223,982.8366	4.2326	16.6880	229,061.6660
2026	47.8540	203.8362	491.8260	2.1175	186.4790	2.6241	189.1031	50.2222	2.4796	52.7018	0.0000	218,293.7041	218,293.7041	4.0303	16.2440	223,235.1676
2027	45.3744	200.1427	467.7412	2.0651	186.4785	2.5783	189.0568	50.2220	2.4371	52.6591	0.0000	212,938.2719	212,938.2719	3.8564	15.8177	217,748.3638
2028	43.1582	197.1212	447.7183	2.0174	186.4781	2.5325	189.0106	50.2219	2.3947	52.6166	0.0000	208,069.5744	208,069.5744	3.7155	15.4239	212,758.7872
2029	41.0513	194.4531	430.3157	1.9744	186.4778	2.4886	188.9664	50.2218	2.3540	52.5758	0.0000	203,665.7837	203,665.7837	3.5953	15.0645	208,244.8821
2030	39.0358	187.5324	415.5493	1.9395	186.4776	2.0685	188.5461	50.2217	1.9682	52.1899	0.0000	200,025.9998	200,025.9998	3.0083	14.7364	204,492.6494
2031	37.1591	186.5051	406.3396	1.9062	186.4773	1.9918	188.4691	50.2215	1.8957	52.1173	0.0000	196,610.2721	196,610.2721	2.9297	14.4342	200,984.9069
2032	35.4641	184.6731	395.0979	1.8756	186.4770	1.9582	188.4352	50.2214	1.8646	52.0861	0.0000	193,479.4444	193,479.4444	2.8523	14.1797	197,776.2939
2033	363.2268	7.1348	62.1836	0.2119	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	21,403.9483	21,403.9483	0.2791	0.4011	21,530.4438
Maximum	**363.2268**	**207.8844**	**519.9533**	**2.1733**	**186.4796**	**2.6649**	**189.1445**	**50.2224**	**2.5175**	**52.7399**	**0.0000**	**223,982.8366**	**223,982.8366**	**4.2326**	**16.6880**	**229,061.6660**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.78**	**0.00**	**0.77**	**1.47**	**0.00**	**1.40**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	56.7512	64.2745	372.1753	0.7786	91.8259	0.5772	92.4032	24.5081	0.5424	25.0505		79,640.0657	79,640.0657	4.5214	5.0900	81,269.9197
Total	**265.6208**	**101.1515**	**538.6313**	**1.0009**	**91.8259**	**4.0775**	**95.9034**	**24.5081**	**4.0427**	**28.5508**	**0.0000**	**122,860.7737**	**122,860.7737**	**5.5893**	**5.8777**	**124,752.0670**

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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	56.7512	64.2745	372.1753	0.7786	91.8259	0.5772	92.4032	24.5081	0.5424	25.0505		79,640.0657	79,640.0657	4.5214	5.0900	81,269.9197
Total	**265.6208**	**101.1515**	**538.6313**	**1.0009**	**91.8259**	**4.0775**	**95.9034**	**24.5081**	**4.0427**	**28.5508**	**0.0000**	**122,860.7737**	**122,860.7737**	**5.5893**	**5.8777**	**124,752.0670**

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	N20	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	1/1/2024	4/19/2024	5	80	
2	Grading	Grading	4/20/2024	1/31/2025	5	205	
3	Building Construction	Building Construction	2/1/2025	11/19/2032	5	2035	
4	Paving	Paving	11/20/2032	6/10/2033	5	145	
5	Architectural Coating	Architectural Coating	6/11/2033	12/30/2033	5	145	

Acres of Grading (Site Preparation Phase): 120

Acres of Grading (Grading Phase): 615

Acres of Paving: 539.4

Residential Indoor: 4,534,785; Residential Outdoor: 1,511,595; Non-Residential Indoor: 10,134,380; Non-Residential Outdoor: 3,378,127; Striped Parking Area: 1,409,776 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

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

Grading	Tractors/Loaders/Backhoes	2	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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13,663.00	5,271.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2,733.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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

3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
Total	**0.0613**	**0.0362**	**0.6156**	**1.7100e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**173.1792**	**173.1792**	**3.7500e-003**	**3.9200e-003**	**174.4420**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Summer

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

3.2 Site Preparation - 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					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**7.6662**	**1.2294**	**8.8956**	**3.9400**	**1.1310**	**5.0710**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0613	0.0362	0.6156	1.7100e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		173.1792	173.1792	3.7500e-003	3.9200e-003	174.4420
Total	**0.0613**	**0.0362**	**0.6156**	**1.7100e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**173.1792**	**173.1792**	**3.7500e-003**	**3.9200e-003**	**174.4420**

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

3.3 Grading - 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					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**9.2036**	**1.3354**	**10.5390**	**3.6538**	**1.2286**	**4.8823**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	**0.0681**	**0.0402**	**0.6840**	**1.9000e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**192.4214**	**192.4214**	**4.1600e-003**	**4.3600e-003**	**193.8244**

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**3.5894**	**1.3354**	**4.9248**	**1.4250**	**1.2286**	**2.6535**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0681	0.0402	0.6840	1.9000e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		192.4214	192.4214	4.1600e-003	4.3600e-003	193.8244
Total	**0.0681**	**0.0402**	**0.6840**	**1.9000e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**192.4214**	**192.4214**	**4.1600e-003**	**4.3600e-003**	**193.8244**

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

3.3 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0636	0.0360	0.6361	1.8400e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		185.8596	185.8596	3.7500e-003	4.0700e-003	187.1656
Total	**0.0636**	**0.0360**	**0.6361**	**1.8400e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**185.8596**	**185.8596**	**3.7500e-003**	**4.0700e-003**	**187.1656**

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.5894**	**1.1309**	**4.7203**	**1.4250**	**1.0404**	**2.4654**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0636	0.0360	0.6361	1.8400e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		185.8596	185.8596	3.7500e-003	4.0700e-003	187.1656
Total	**0.0636**	**0.0360**	**0.6361**	**1.8400e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**185.8596**	**185.8596**	**3.7500e-003**	**4.0700e-003**	**187.1656**

Rio Vista Specific Plan - LST - Riverside-South Coast County, 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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7710	170.8045	69.3020	0.8901	33.7594	1.4909	35.2503	9.7203	1.4262	11.1465		94,456.3701	94,456.3701	1.0690	13.9090	98,627.9625
Worker	43.4364	24.6103	434.5666	1.2562	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		126,969.9922	126,969.9922	2.5627	2.7790	127,862.2055
Total	**49.2074**	**195.4147**	**503.8686**	**2.1463**	**186.4796**	**2.1374**	**188.6169**	**50.2224**	**2.0213**	**52.2436**		**221,426.3623**	**221,426.3623**	**3.6317**	**16.6880**	**226,490.1680**

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7710	170.8045	69.3020	0.8901	33.7594	1.4909	35.2503	9.7203	1.4262	11.1465		94,456.3701	94,456.3701	1.0690	13.9090	98,627.9625
Worker	43.4364	24.6103	434.5666	1.2562	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		126,969.9922	126,969.9922	2.5627	2.7790	127,862.2055
Total	**49.2074**	**195.4147**	**503.8686**	**2.1463**	**186.4796**	**2.1374**	**188.6169**	**50.2224**	**2.0213**	**52.2436**		**221,426.3623**	**221,426.3623**	**3.6317**	**16.6880**	**226,490.1680**

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7015	169.0939	68.6384	0.8736	33.7589	1.4846	35.2434	9.7201	1.4202	11.1402		92,737.8316	92,737.8316	1.1068	13.6294	96,827.0730
Worker	40.7851	22.2726	407.1030	1.2169	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		122,999.3981	122,999.3981	2.3225	2.6146	123,836.5965
Total	**46.4866**	**191.3665**	**475.7413**	**2.0905**	**186.4790**	**2.0965**	**188.5755**	**50.2222**	**1.9834**	**52.2055**		**215,737.2297**	**215,737.2297**	**3.4294**	**16.2440**	**220,663.6695**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2026

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.7015	169.0939	68.6384	0.8736	33.7589	1.4846	35.2434	9.7201	1.4202	11.1402		92,737.8316	92,737.8316	1.1068	13.6294	96,827.0730
Worker	40.7851	22.2726	407.1030	1.2169	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		122,999.3981	122,999.3981	2.3225	2.6146	123,836.5965
Total	**46.4866**	**191.3665**	**475.7413**	**2.0905**	**186.4790**	**2.0965**	**188.5755**	**50.2222**	**1.9834**	**52.2055**		**215,737.2297**	**215,737.2297**	**3.4294**	**16.2440**	**220,663.6695**

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.6421	167.3757	68.0973	0.8563	33.7584	1.4765	35.2349	9.7199	1.4124	11.1323		90,929.9902	90,929.9902	1.1403	13.3413	94,934.1995
Worker	38.3649	20.2974	383.5593	1.1818	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		119,451.8073	119,451.8073	2.1152	2.4764	120,242.6663
Total	**44.0070**	**187.6730**	**451.6565**	**2.0381**	**186.4785**	**2.0507**	**188.5292**	**50.2220**	**1.9409**	**52.1629**		**210,381.7975**	**210,381.7975**	**3.2554**	**15.8177**	**215,176.8658**

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

3.4 Building Construction - 2027

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.6421	167.3757	68.0973	0.8563	33.7584	1.4765	35.2349	9.7199	1.4124	11.1323		90,929.9902	90,929.9902	1.1403	13.3413	94,934.1995
Worker	38.3649	20.2974	383.5593	1.1818	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		119,451.8073	119,451.8073	2.1152	2.4764	120,242.6663
Total	**44.0070**	**187.6730**	**451.6565**	**2.0381**	**186.4785**	**2.0507**	**188.5292**	**50.2220**	**1.9409**	**52.1629**		**210,381.7975**	**210,381.7975**	**3.2554**	**15.8177**	**215,176.8658**

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

3.4 Building Construction - 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5984	166.0068	67.7193	0.8397	33.7580	1.4696	35.2276	9.7197	1.4059	11.1256		89,194.3575	89,194.3575	1.1761	13.0625	93,116.3913
Worker	36.1924	18.6448	363.9143	1.1508	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		116,318.7425	116,318.7425	1.9385	2.3614	117,070.8978
Total	**41.7908**	**184.6515**	**431.6336**	**1.9905**	**186.4781**	**2.0049**	**188.4831**	**50.2219**	**1.8985**	**52.1203**		**205,513.1000**	**205,513.1000**	**3.1146**	**15.4239**	**210,187.2891**

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

3.4 Building Construction - 2028

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5984	166.0068	67.7193	0.8397	33.7580	1.4696	35.2276	9.7197	1.4059	11.1256		89,194.3575	89,194.3575	1.1761	13.0625	93,116.3913
Worker	36.1924	18.6448	363.9143	1.1508	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		116,318.7425	116,318.7425	1.9385	2.3614	117,070.8978
Total	**41.7908**	**184.6515**	**431.6336**	**1.9905**	**186.4781**	**2.0049**	**188.4831**	**50.2219**	**1.8985**	**52.1203**		**205,513.1000**	**205,513.1000**	**3.1146**	**15.4239**	**210,187.2891**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2029

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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5621	164.7588	67.4215	0.8240	33.7577	1.4622	35.2199	9.7196	1.3988	11.1184		87,560.5247	87,560.5247	1.2109	12.8007	91,405.3948
Worker	34.1218	17.2247	346.8095	1.1234	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		113,548.7846	113,548.7846	1.7834	2.2638	114,267.9892
Total	**39.6839**	**181.9834**	**414.2310**	**1.9474**	**186.4778**	**1.9610**	**188.4389**	**50.2218**	**1.8578**	**52.0795**		**201,109.3094**	**201,109.3094**	**2.9943**	**15.0645**	**205,673.3840**

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

3.4 Building Construction - 2029

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.5621	164.7588	67.4215	0.8240	33.7577	1.4622	35.2199	9.7196	1.3988	11.1184		87,560.5247	87,560.5247	1.2109	12.8007	91,405.3948
Worker	34.1218	17.2247	346.8095	1.1234	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		113,548.7846	113,548.7846	1.7834	2.2638	114,267.9892
Total	**39.6839**	**181.9834**	**414.2310**	**1.9474**	**186.4778**	**1.9610**	**188.4389**	**50.2218**	**1.8578**	**52.0795**		**201,109.3094**	**201,109.3094**	**2.9943**	**15.0645**	**205,673.3840**

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5342	163.5882	67.2044	0.8093	33.7575	1.4550	35.2124	9.7196	1.3918	11.1114		86,023.5098	86,023.5098	1.2441	12.5549	89,795.9843
Worker	32.1924	16.0096	332.1880	1.0992	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		111,104.9433	111,104.9433	1.6479	2.1815	111,796.2122
Total	**37.7266**	**179.5978**	**399.3924**	**1.9085**	**186.4776**	**1.9204**	**188.3979**	**50.2217**	**1.8201**	**52.0417**		**197,128.4530**	**197,128.4530**	**2.8920**	**14.7364**	**201,592.1965**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Summer

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5342	163.5882	67.2044	0.8093	33.7575	1.4550	35.2124	9.7196	1.3918	11.1114		86,023.5098	86,023.5098	1.2441	12.5549	89,795.9843
Worker	32.1924	16.0096	332.1880	1.0992	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		111,104.9433	111,104.9433	1.6479	2.1815	111,796.2122
Total	**37.7266**	**179.5978**	**399.3924**	**1.9085**	**186.4776**	**1.9204**	**188.3979**	**50.2217**	**1.8201**	**52.0417**		**197,128.4530**	**197,128.4530**	**2.8920**	**14.7364**	**201,592.1965**

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5105	163.6180	67.2718	0.7952	33.7571	1.4026	35.1598	9.7194	1.3418	11.0612		84,545.4219	84,545.4219	1.2755	12.3207	88,248.8780
Worker	30.3395	14.9524	322.9109	1.0800	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		109,167.3035	109,167.3035	1.5379	2.1135	109,835.5760
Total	**35.8500**	**178.5705**	**390.1826**	**1.8752**	**186.4773**	**1.8437**	**188.3209**	**50.2215**	**1.7476**	**51.9691**		**193,712.7254**	**193,712.7254**	**2.8134**	**14.4342**	**198,084.4540**

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5105	163.6180	67.2718	0.7952	33.7571	1.4026	35.1598	9.7194	1.3418	11.0612		84,545.4219	84,545.4219	1.2755	12.3207	88,248.8780
Worker	30.3395	14.9524	322.9109	1.0800	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		109,167.3035	109,167.3035	1.5379	2.1135	109,835.5760
Total	**35.8500**	**178.5705**	**390.1826**	**1.8752**	**186.4773**	**1.8437**	**188.3209**	**50.2215**	**1.7476**	**51.9691**		**193,712.7254**	**193,712.7254**	**2.8134**	**14.4342**	**198,084.4540**

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5071	162.6907	67.3193	0.7834	33.7568	1.3971	35.1540	9.7193	1.3365	11.0558		83,315.5258	83,315.5258	1.3046	12.1255	86,961.5501
Worker	28.6479	14.0478	311.6217	1.0612	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		107,266.3719	107,266.3719	1.4315	2.0541	107,914.2910
Total	**34.1550**	**176.7384**	**378.9410**	**1.8446**	**186.4770**	**1.8101**	**188.2871**	**50.2214**	**1.7165**	**51.9379**		**190,581.8977**	**190,581.8977**	**2.7361**	**14.1797**	**194,875.8411**

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.5071	162.6907	67.3193	0.7834	33.7568	1.3971	35.1540	9.7193	1.3365	11.0558		83,315.5258	83,315.5258	1.3046	12.1255	86,961.5501
Worker	28.6479	14.0478	311.6217	1.0612	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		107,266.3719	107,266.3719	1.4315	2.0541	107,914.2910
Total	**34.1550**	**176.7384**	**378.9410**	**1.8446**	**186.4770**	**1.8101**	**188.2871**	**50.2214**	**1.7165**	**51.9379**		**190,581.8977**	**190,581.8977**	**2.7361**	**14.1797**	**194,875.8411**

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0315	0.0154	0.3421	1.1700e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		117.7630	117.7630	1.5700e-003	2.2600e-003	118.4743
Total	**0.0315**	**0.0154**	**0.3421**	**1.1700e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**117.7630**	**117.7630**	**1.5700e-003**	**2.2600e-003**	**118.4743**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Summer

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0315	0.0154	0.3421	1.1700e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		117.7630	117.7630	1.5700e-003	2.2600e-003	118.4743
Total	**0.0315**	**0.0154**	**0.3421**	**1.1700e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**117.7630**	**117.7630**	**1.5700e-003**	**2.2600e-003**	**118.4743**

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0298	0.0146	0.3314	1.1500e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		115.9303	115.9303	1.4700e-003	2.2000e-003	116.6230
Total	**0.0298**	**0.0146**	**0.3314**	**1.1500e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**115.9303**	**115.9303**	**1.4700e-003**	**2.2000e-003**	**116.6230**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Summer

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0298	0.0146	0.3314	1.1500e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		115.9303	115.9303	1.4700e-003	2.2000e-003	116.6230
Total	**0.0298**	**0.0146**	**0.3314**	**1.1500e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**115.9303**	**115.9303**	**1.4700e-003**	**2.2000e-003**	**116.6230**

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

3.6 Architectural Coating - 2033

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	357.6692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**357.7999**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.4269	2.6596	60.3859	0.2090	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		21,122.5002	21,122.5002	0.2677	0.4011	21,248.7110
Total	**5.4269**	**2.6596**	**60.3859**	**0.2090**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**21,122.5002**	**21,122.5002**	**0.2677**	**0.4011**	**21,248.7110**

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

3.6 Architectural Coating - 2033

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	357.6692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**357.7999**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.4269	2.6596	60.3859	0.2090	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		21,122.5002	21,122.5002	0.2677	0.4011	21,248.7110
Total	**5.4269**	**2.6596**	**60.3859**	**0.2090**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**21,122.5002**	**21,122.5002**	**0.2677**	**0.4011**	**21,248.7110**

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	56.7512	64.2745	372.1753	0.7786	91.8259	0.5772	92.4032	24.5081	0.5424	25.0505		79,640.0657	79,640.0657	4.5214	5.0900	81,269.9197
Unmitigated	56.7512	64.2745	372.1753	0.7786	91.8259	0.5772	92.4032	24.5081	0.5424	25.0505		79,640.0657	79,640.0657	4.5214	5.0900	81,269.9197

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	14.35	36.06	40.30	19,725	19,725
Condo/Townhouse High Rise	7,459.08	7,459.08	7459.08	8,441,941	8,441,941
Elementary School	1,745.26	0.00	0.00	1,105,266	1,105,266
General Heavy Industry	5,409.24	5,409.24	5409.24	6,432,113	6,432,113
General Heavy Industry	129.93	129.93	129.93	154,499	154,499
Office Park	17,788.56	5,858.08	2714.72	15,233,985	15,233,985
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	6,353.12	6,420.42	5754.15	7,104,291	7,104,291
Single Family Housing	47.20	47.70	42.75	52,781	52,781
Total	38,946.75	25,360.52	21,550.17	38,544,601	38,544,601

4.3 Trip Type Information

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	3.50	3.50	3.50	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	3.50	3.50	3.50	40.20	19.20	40.60	86	11	3
Elementary School	3.50	3.50	3.50	65.00	30.00	5.00	63	25	12
General Heavy Industry	3.50	3.50	3.50	59.00	28.00	13.00	92	5	3
General Heavy Industry	3.50	3.50	3.50	59.00	28.00	13.00	92	5	3
Office Park	3.50	3.50	3.50	33.00	48.00	19.00	82	15	3
Other Asphalt Surfaces	3.50	3.50	3.50	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	3.50	3.50	3.50	0.00	0.00	0.00	0	0	0
Single Family Housing	3.50	3.50	3.50	40.20	19.20	40.60	86	11	3
Single Family Housing	3.50	3.50	3.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Condo/Townhouse High Rise	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Elementary School	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
General Heavy Industry	0.485700	0.054300	0.165200	0.116500	0.025800	0.006900	0.043500	0.102100	0.000000	0.000000	0.000000	0.000000	0.000000
Office Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Non-Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Single Family Housing	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Rio Vista Specific Plan - LST - Riverside-South Coast County, 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					
NaturalGas Mitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
NaturalGas Unmitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456

Rio Vista Specific Plan - LST - Riverside-South Coast County, 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					
City Park	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
Condo/Townhouse High Rise	40151.9	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5403.1	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28282.4	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	387.492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52156.5	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

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					
City Park	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
Condo/Townhouse High Rise	40.1519	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13.897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224.941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5.4031	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28.2824	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.387492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52.1565	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

6.0 Area Detail

6.1 Mitigation Measures Area

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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Unmitigated	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017

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	14.2088					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**204.9309**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

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	14.2088					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**204.9309**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

7.0 Water Detail

7.1 Mitigation Measures Water

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

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

Rio Vista Specific Plan - LST

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Office Park	3,572.00	1000sqft	82.00	3,572,000.00	0
Elementary School	583.70	1000sqft	13.40	583,704.00	0
General Heavy Industry	2,539.55	1000sqft	58.30	2,539,548.00	0
General Heavy Industry	61.00	1000sqft	1.40	61,000.00	0
Other Asphalt Surfaces	19.60	Acre	19.60	853,776.00	0
Other Non-Asphalt Surfaces	519.80	Acre	519.80	22,642,488.00	0
City Park	18.40	Acre	18.40	801,504.00	0
Condo/Townhouse High Rise	1,019.00	Dwelling Unit	80.30	1,019,000.00	2914
Single Family Housing	673.00	Dwelling Unit	117.70	1,211,400.00	1925
Single Family Housing	5.00	Dwelling Unit	6.40	9,000.00	14

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2034
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 -

Land Use - 917.3 acre Specific Plan with a mixture of residential, commercial, and industrial uses

Construction Phase - Construction to begin January 1, 2034, and occur over 10 years

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

Grading -

Architectural Coating - SCAQMD Rule 1113

Vehicle Trips - Per Traffic Impact Analysis, the project will generate 38,106 trips. For LST analysis, a maximum onsite trip length of 3.5 miles is estimated.

Woodstoves - No hearths

Area Coating - SCAQMD Rule 1113

Construction Off-road Equipment Mitigation - SCAQMD Rule 403

Fleet Mix - Industrial fleet mix per trip generation analysis

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	100.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	100.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	100	50
tblAreaCoating	Area_EF_Nonresidential_Interior	100	50
tblConstructionPhase	NumDays	600.00	80.00
tblConstructionPhase	NumDays	1,550.00	205.00
tblConstructionPhase	NumDays	15,500.00	2,035.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblConstructionPhase	NumDays	1,100.00	145.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceDayYear	25.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	866.15	0.00
tblFireplaces	NumberGas	576.30	0.00
tblFireplaces	NumberNoFireplace	101.90	0.00
tblFireplaces	NumberNoFireplace	67.80	0.00
tblFireplaces	NumberWood	50.95	0.00

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

tblFireplaces	NumberWood	33.90	0.00
tblFleetMix	HHD	0.02	0.10
tblFleetMix	LDA	0.55	0.49
tblFleetMix	LDT1	0.06	0.05
tblFleetMix	LDT2	0.18	0.17
tblFleetMix	LHD1	0.02	0.03
tblFleetMix	LHD2	6.3850e-003	6.9000e-003
tblFleetMix	MCY	0.02	0.00
tblFleetMix	MDV	0.13	0.12
tblFleetMix	MH	3.3760e-003	0.00
tblFleetMix	MHD	0.01	0.04
tblFleetMix	OBUS	5.8700e-004	0.00
tblFleetMix	SBUS	1.0400e-003	0.00
tblFleetMix	UBUS	2.6400e-004	0.00
tblLandUse	LandUseSquareFeet	583,700.00	583,704.00
tblLandUse	LandUseSquareFeet	2,539,550.00	2,539,548.00
tblLandUse	LotAcreage	15.92	80.30
tblLandUse	LotAcreage	218.51	117.70
tblLandUse	LotAcreage	1.62	6.40
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CC_TL	8.40	3.50
tblVehicleTrips	CNW_TL	6.90	3.50
tblVehicleTrips	CNW_TL	6.90	3.50
tblVehicleTrips	CNW_TL	6.90	3.50
tblVehicleTrips	CNW_TL	6.90	3.50

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

tblVehicleTrips	CNW_TL	6.90	3.50
tblVehicleTrips	CNW_TL	6.90	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	CW_TL	16.60	3.50
tblVehicleTrips	HO_TL	8.70	3.50
tblVehicleTrips	HO_TL	8.70	3.50
tblVehicleTrips	HS_TL	5.90	3.50
tblVehicleTrips	HS_TL	5.90	3.50
tblVehicleTrips	HW_TL	14.70	3.50
tblVehicleTrips	HW_TL	14.70	3.50
tblVehicleTrips	ST_TR	4.91	7.32
tblVehicleTrips	ST_TR	6.42	2.13
tblVehicleTrips	SU_TR	4.09	7.32
tblVehicleTrips	SU_TR	5.09	2.13
tblVehicleTrips	WD_TR	5.44	7.32
tblVehicleTrips	WD_TR	19.52	2.99
tblVehicleTrips	WD_TR	3.93	2.13
tblVehicleTrips	WD_TR	11.07	4.98
tblWoodstoves	NumberCatalytic	50.95	0.00
tblWoodstoves	NumberCatalytic	33.90	0.00
tblWoodstoves	NumberNoncatalytic	50.95	0.00
tblWoodstoves	NumberNoncatalytic	33.90	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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

tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

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					
2024	3.2821	32.4186	28.2785	0.0638	19.8582	1.3364	21.0885	10.1558	1.2295	11.2876	0.0000	6,184.1340	6,184.1340	1.9478	4.4600e-003	6,234.1589
2025	47.6535	219.1449	441.2601	2.0581	186.4796	2.6698	189.1494	50.2224	2.5222	52.7446	0.0000	212,349.6737	212,349.6737	4.2166	16.7977	217,460.7919
2026	45.2035	214.9105	418.5698	2.0061	186.4790	2.6288	189.1078	50.2222	2.4841	52.7063	0.0000	207,051.6860	207,051.6860	4.0196	16.3484	212,023.9846
2027	42.9552	211.0484	399.1113	1.9571	186.4785	2.5828	189.0613	50.2220	2.4415	52.6635	0.0000	202,040.9107	202,040.9107	3.8499	15.9175	206,880.5792
2028	40.9320	207.8909	382.9139	1.9125	186.4781	2.5370	189.0151	50.2219	2.3990	52.6209	0.0000	197,472.6213	197,472.6213	3.7117	15.5198	202,190.3058
2029	39.0062	205.1032	368.8099	1.8720	186.4778	2.4930	188.9708	50.2218	2.3582	52.5800	0.0000	193,330.9035	193,330.9035	3.5938	15.1569	197,937.5096
2030	37.1531	198.0757	356.8444	1.8394	186.4776	2.0728	188.5503	50.2217	1.9723	52.1939	0.0000	189,919.7395	189,919.7395	3.0082	14.8258	194,413.0451
2031	35.4181	197.0455	349.0252	1.8076	186.4773	1.9960	188.4733	50.2215	1.8997	52.1213	0.0000	186,664.0801	186,664.0801	2.9284	14.5210	191,064.5507
2032	33.8608	195.1439	339.9428	1.7788	186.4770	1.9624	188.4393	50.2214	1.8686	52.0900	0.0000	183,708.9646	183,708.9646	2.8520	14.2644	188,031.0440
2033	363.0167	7.1353	51.0393	0.1925	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	19,437.8590	19,437.8590	0.2832	0.4097	19,567.0304
Maximum	**363.0167**	**219.1449**	**441.2601**	**2.0581**	**186.4796**	**2.6698**	**189.1494**	**50.2224**	**2.5222**	**52.7446**	**0.0000**	**212,349.6737**	**212,349.6737**	**4.2166**	**16.7977**	**217,460.7919**

Rio Vista Specific Plan - LST - Riverside-South Coast County, 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)

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					
2024	3.2821	32.4186	28.2785	0.0638	7.8674	1.3364	9.0977	3.9933	1.2295	5.1251	0.0000	6,184.1340	6,184.1340	1.9478	4.4600e-003	6,234.1589
2025	47.6535	219.1449	441.2601	2.0581	186.4796	2.6698	189.1494	50.2224	2.5222	52.7446	0.0000	212,349.6737	212,349.6737	4.2166	16.7977	217,460.7919
2026	45.2035	214.9105	418.5698	2.0061	186.4790	2.6288	189.1078	50.2222	2.4841	52.7063	0.0000	207,051.6860	207,051.6860	4.0196	16.3484	212,023.9846
2027	42.9552	211.0484	399.1113	1.9571	186.4785	2.5828	189.0613	50.2220	2.4415	52.6635	0.0000	202,040.9107	202,040.9107	3.8499	15.9175	206,880.5792
2028	40.9320	207.8909	382.9139	1.9125	186.4781	2.5370	189.0151	50.2219	2.3990	52.6209	0.0000	197,472.6213	197,472.6213	3.7117	15.5198	202,190.3058
2029	39.0062	205.1032	368.8099	1.8720	186.4778	2.4930	188.9708	50.2218	2.3582	52.5800	0.0000	193,330.9035	193,330.9035	3.5938	15.1569	197,937.5096
2030	37.1531	198.0757	356.8444	1.8394	186.4776	2.0728	188.5503	50.2217	1.9723	52.1939	0.0000	189,919.7395	189,919.7395	3.0082	14.8258	194,413.0451
2031	35.4181	197.0455	349.0252	1.8076	186.4773	1.9960	188.4733	50.2215	1.8997	52.1213	0.0000	186,664.0801	186,664.0801	2.9284	14.5210	191,064.5507
2032	33.8608	195.1439	339.9428	1.7788	186.4770	1.9624	188.4393	50.2214	1.8686	52.0900	0.0000	183,708.9646	183,708.9646	2.8520	14.2644	188,031.0440
2033	363.0167	7.1353	51.0393	0.1925	30.5485	0.3311	30.6464	8.1016	0.3310	8.1933	0.0000	19,437.8590	19,437.8590	0.2832	0.4097	19,567.0304
Maximum	**363.0167**	**219.1449**	**441.2601**	**2.0581**	**186.4796**	**2.6698**	**189.1494**	**50.2224**	**2.5222**	**52.7446**	**0.0000**	**212,349.6737**	**212,349.6737**	**4.2166**	**16.7977**	**217,460.7919**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.78**	**0.00**	**0.77**	**1.47**	**0.00**	**1.40**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	44.4960	68.5778	354.2748	0.7296	91.8259	0.5790	92.4049	24.5081	0.5441	25.0522		74,682.4480	74,682.4480	4.7894	5.1938	76,349.9454
Total	**253.3656**	**105.4548**	**520.7307**	**0.9519**	**91.8259**	**4.0793**	**95.9052**	**24.5081**	**4.0444**	**28.5525**	**0.0000**	**117,903.1560**	**117,903.1560**	**5.8572**	**5.9816**	**119,832.0927**

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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Energy	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
Mobile	44.4960	68.5778	354.2748	0.7296	91.8259	0.5790	92.4049	24.5081	0.5441	25.0522		74,682.4480	74,682.4480	4.7894	5.1938	76,349.9454
Total	**253.3656**	**105.4548**	**520.7307**	**0.9519**	**91.8259**	**4.0793**	**95.9052**	**24.5081**	**4.0444**	**28.5525**	**0.0000**	**117,903.1560**	**117,903.1560**	**5.8572**	**5.9816**	**119,832.0927**

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	N20	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	1/1/2024	4/19/2024	5	80	
2	Grading	Grading	4/20/2024	1/31/2025	5	205	
3	Building Construction	Building Construction	2/1/2025	11/19/2032	5	2035	
4	Paving	Paving	11/20/2032	6/10/2033	5	145	
5	Architectural Coating	Architectural Coating	6/11/2033	12/30/2033	5	145	

Acres of Grading (Site Preparation Phase): 120

Acres of Grading (Grading Phase): 615

Acres of Paving: 539.4

Residential Indoor: 4,534,785; Residential Outdoor: 1,511,595; Non-Residential Indoor: 10,134,380; Non-Residential Outdoor: 3,378,127; Striped Parking Area: 1,409,776 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

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

Grading	Tractors/Loaders/Backhoes	2	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

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	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	13,663.00	5,271.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	2,733.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.2 Site Preparation - 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					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310		3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**19.6570**	**1.2294**	**20.8864**	**10.1025**	**1.1310**	**11.2335**		**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
Total	**0.0576**	**0.0375**	**0.5001**	**1.5500e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**156.9468**	**156.9468**	**3.7400e-003**	**4.0100e-003**	**158.2365**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.2 Site Preparation - 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					
Fugitive Dust					7.6662	0.0000	7.6662	3.9400	0.0000	3.9400			0.0000			0.0000
Off-Road	2.6609	27.1760	18.3356	0.0381		1.2294	1.2294		1.1310	1.1310	0.0000	3,688.0100	3,688.0100	1.1928		3,717.8294
Total	**2.6609**	**27.1760**	**18.3356**	**0.0381**	**7.6662**	**1.2294**	**8.8956**	**3.9400**	**1.1310**	**5.0710**	**0.0000**	**3,688.0100**	**3,688.0100**	**1.1928**		**3,717.8294**

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	0.0576	0.0375	0.5001	1.5500e-003	0.2012	9.0000e-004	0.2021	0.0534	8.3000e-004	0.0542		156.9468	156.9468	3.7400e-003	4.0100e-003	158.2365
Total	**0.0576**	**0.0375**	**0.5001**	**1.5500e-003**	**0.2012**	**9.0000e-004**	**0.2021**	**0.0534**	**8.3000e-004**	**0.0542**		**156.9468**	**156.9468**	**3.7400e-003**	**4.0100e-003**	**158.2365**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.3 Grading - 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					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286		6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**9.2036**	**1.3354**	**10.5390**	**3.6538**	**1.2286**	**4.8823**		**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	**0.0640**	**0.0417**	**0.5557**	**1.7300e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**174.3853**	**174.3853**	**4.1600e-003**	**4.4600e-003**	**175.8183**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	3.2181	32.3770	27.7228	0.0621		1.3354	1.3354		1.2286	1.2286	0.0000	6,009.7487	6,009.7487	1.9437		6,058.3405
Total	**3.2181**	**32.3770**	**27.7228**	**0.0621**	**3.5894**	**1.3354**	**4.9248**	**1.4250**	**1.2286**	**2.6535**	**0.0000**	**6,009.7487**	**6,009.7487**	**1.9437**		**6,058.3405**

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	0.0640	0.0417	0.5557	1.7300e-003	0.2236	1.0000e-003	0.2246	0.0593	9.2000e-004	0.0602		174.3853	174.3853	4.1600e-003	4.4600e-003	175.8183
Total	**0.0640**	**0.0417**	**0.5557**	**1.7300e-003**	**0.2236**	**1.0000e-003**	**0.2246**	**0.0593**	**9.2000e-004**	**0.0602**		**174.3853**	**174.3853**	**4.1600e-003**	**4.4600e-003**	**175.8183**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.3 Grading - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404		6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**9.2036**	**1.1309**	**10.3345**	**3.6538**	**1.0404**	**4.6942**		**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0374	0.5175	1.6700e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		168.4834	168.4834	3.7600e-003	4.1600e-003	169.8174
Total	**0.0600**	**0.0374**	**0.5175**	**1.6700e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**168.4834**	**168.4834**	**3.7600e-003**	**4.1600e-003**	**169.8174**

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

3.3 Grading - 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					
Fugitive Dust					3.5894	0.0000	3.5894	1.4250	0.0000	1.4250			0.0000			0.0000
Off-Road	2.9012	27.9429	26.3311	0.0621		1.1309	1.1309		1.0404	1.0404	0.0000	6,008.2814	6,008.2814	1.9432		6,056.8614
Total	**2.9012**	**27.9429**	**26.3311**	**0.0621**	**3.5894**	**1.1309**	**4.7203**	**1.4250**	**1.0404**	**2.4654**	**0.0000**	**6,008.2814**	**6,008.2814**	**1.9432**		**6,056.8614**

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	0.0374	0.5175	1.6700e-003	0.2236	9.5000e-004	0.2245	0.0593	8.7000e-004	0.0602		168.4834	168.4834	3.7600e-003	4.1600e-003	169.8174
Total	**0.0600**	**0.0374**	**0.5175**	**1.6700e-003**	**0.2236**	**9.5000e-004**	**0.2245**	**0.0593**	**8.7000e-004**	**0.0602**		**168.4834**	**168.4834**	**3.7600e-003**	**4.1600e-003**	**169.8174**

Rio Vista Specific Plan - LST - Riverside-South Coast County, 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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.3347	181.1588	71.6800	0.8924	33.7594	1.4958	35.2552	9.7203	1.4309	11.1512		94,693.7919	94,693.7919	1.0494	13.9548	98,878.5587
Worker	40.9514	25.5164	353.4954	1.1387	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		115,099.4074	115,099.4074	2.5662	2.8429	116,010.7351
Total	**46.2861**	**206.6752**	**425.1754**	**2.0311**	**186.4796**	**2.1423**	**188.6219**	**50.2224**	**2.0260**	**52.2483**		**209,793.1994**	**209,793.1994**	**3.6156**	**16.7977**	**214,889.2938**

Rio Vista Specific Plan - LST - Riverside-South Coast County, 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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.3347	181.1588	71.6800	0.8924	33.7594	1.4958	35.2552	9.7203	1.4309	11.1512		94,693.7919	94,693.7919	1.0494	13.9548	98,878.5587
Worker	40.9514	25.5164	353.4954	1.1387	152.7201	0.6465	153.3667	40.5021	0.5951	41.0972		115,099.4074	115,099.4074	2.5662	2.8429	116,010.7351
Total	**46.2861**	**206.6752**	**425.1754**	**2.0311**	**186.4796**	**2.1423**	**188.6219**	**50.2224**	**2.0260**	**52.2483**		**209,793.1994**	**209,793.1994**	**3.6156**	**16.7977**	**214,889.2938**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2670	179.3548	71.0141	0.8758	33.7589	1.4893	35.2481	9.7201	1.4247	11.1447		92,971.9435	92,971.9435	1.0873	13.6742	97,074.0476
Worker	38.5692	23.0860	331.4711	1.1033	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		111,523.2681	111,523.2681	2.3314	2.6741	112,378.4390
Total	**43.8361**	**202.4408**	**402.4852**	**1.9792**	**186.4790**	**2.1012**	**188.5802**	**50.2222**	**1.9879**	**52.2100**		**204,495.2116**	**204,495.2116**	**3.4187**	**16.3484**	**209,452.4866**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2026

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2670	179.3548	71.0141	0.8758	33.7589	1.4893	35.2481	9.7201	1.4247	11.1447		92,971.9435	92,971.9435	1.0873	13.6742	97,074.0476
Worker	38.5692	23.0860	331.4711	1.1033	152.7201	0.6119	153.3321	40.5021	0.5632	41.0653		111,523.2681	111,523.2681	2.3314	2.6741	112,378.4390
Total	**43.8361**	**202.4408**	**402.4852**	**1.9792**	**186.4790**	**2.1012**	**188.5802**	**50.2222**	**1.9879**	**52.2100**		**204,495.2116**	**204,495.2116**	**3.4187**	**16.3484**	**209,452.4866**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.4 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2089	177.5462	70.4718	0.8585	33.7584	1.4811	35.2394	9.7199	1.4168	11.1367		91,160.7555	91,160.7555	1.1207	13.3851	95,177.5343
Worker	36.3789	21.0325	312.5549	1.0717	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		108,323.6809	108,323.6809	2.1283	2.5324	109,131.5468
Total	**41.5878**	**198.5787**	**383.0267**	**1.9302**	**186.4785**	**2.0553**	**188.5338**	**50.2220**	**1.9452**	**52.1672**		**199,484.4364**	**199,484.4364**	**3.2490**	**15.9175**	**204,309.0811**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2027

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.2089	177.5462	70.4718	0.8585	33.7584	1.4811	35.2394	9.7199	1.4168	11.1367		91,160.7555	91,160.7555	1.1207	13.3851	95,177.5343
Worker	36.3789	21.0325	312.5549	1.0717	152.7201	0.5742	153.2944	40.5021	0.5284	41.0305		108,323.6809	108,323.6809	2.1283	2.5324	109,131.5468
Total	**41.5878**	**198.5787**	**383.0267**	**1.9302**	**186.4785**	**2.0553**	**188.5338**	**50.2220**	**1.9452**	**52.1672**		**199,484.4364**	**199,484.4364**	**3.2490**	**15.9175**	**204,309.0811**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.4 Building Construction - 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	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1664	176.1073	70.0963	0.8418	33.7580	1.4741	35.2321	9.7197	1.4101	11.1299		89,421.5056	89,421.5056	1.1565	13.1054	93,355.8369
Worker	34.3982	19.3139	296.7330	1.0437	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		105,494.6413	105,494.6413	1.9543	2.4143	106,262.9708
Total	**39.5646**	**195.4212**	**366.8293**	**1.8855**	**186.4781**	**2.0094**	**188.4875**	**50.2219**	**1.9027**	**52.1246**		**194,916.1469**	**194,916.1469**	**3.1108**	**15.5198**	**199,618.8078**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2028

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1664	176.1073	70.0963	0.8418	33.7580	1.4741	35.2321	9.7197	1.4101	11.1299		89,421.5056	89,421.5056	1.1565	13.1054	93,355.8369
Worker	34.3982	19.3139	296.7330	1.0437	152.7201	0.5353	153.2555	40.5021	0.4926	40.9947		105,494.6413	105,494.6413	1.9543	2.4143	106,262.9708
Total	**39.5646**	**195.4212**	**366.8293**	**1.8855**	**186.4781**	**2.0094**	**188.4875**	**50.2219**	**1.9027**	**52.1246**		**194,916.1469**	**194,916.1469**	**3.1108**	**15.5198**	**199,618.8078**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2029

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		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**		**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1314	174.7967	69.8012	0.8261	33.7577	1.4666	35.2243	9.7196	1.4029	11.1226		87,784.0528	87,784.0528	1.1913	12.8427	91,640.9690
Worker	32.5074	17.8368	282.9240	1.0189	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		102,990.3763	102,990.3763	1.8015	2.3142	103,725.0426
Total	**37.6388**	**192.6335**	**352.7252**	**1.8450**	**186.4778**	**1.9654**	**188.4432**	**50.2218**	**1.8619**	**52.0837**		**190,774.4291**	**190,774.4291**	**2.9928**	**15.1569**	**195,366.0116**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2029

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	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	**1.3674**	**12.4697**	**16.0847**	**0.0270**		**0.5276**	**0.5276**		**0.4963**	**0.4963**	**0.0000**	**2,556.4744**	**2,556.4744**	**0.6010**		**2,571.4981**

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	5.1314	174.7967	69.8012	0.8261	33.7577	1.4666	35.2243	9.7196	1.4029	11.1226		87,784.0528	87,784.0528	1.1913	12.8427	91,640.9690
Worker	32.5074	17.8368	282.9240	1.0189	152.7201	0.4988	153.2190	40.5021	0.4590	40.9611		102,990.3763	102,990.3763	1.8015	2.3142	103,725.0426
Total	**37.6388**	**192.6335**	**352.7252**	**1.8450**	**186.4778**	**1.9654**	**188.4432**	**50.2218**	**1.8619**	**52.0837**		**190,774.4291**	**190,774.4291**	**2.9928**	**15.1569**	**195,366.0116**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.1048	173.5696	69.5876	0.8114	33.7575	1.4592	35.2167	9.7196	1.3959	11.1155		86,243.6047	86,243.6047	1.2245	12.5963	90,027.8997
Worker	30.7392	16.5716	271.0999	0.9970	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		100,778.5881	100,778.5881	1.6675	2.2296	101,484.6926
Total	**35.8440**	**190.1411**	**340.6874**	**1.8084**	**186.4776**	**1.9246**	**188.4022**	**50.2217**	**1.8241**	**52.0458**		**187,022.1928**	**187,022.1928**	**2.8920**	**14.8258**	**191,512.5923**

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

3.4 Building Construction - 2030

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.1048	173.5696	69.5876	0.8114	33.7575	1.4592	35.2167	9.7196	1.3959	11.1155		86,243.6047	86,243.6047	1.2245	12.5963	90,027.8997
Worker	30.7392	16.5716	271.0999	0.9970	152.7201	0.4654	153.1855	40.5021	0.4282	40.9303		100,778.5881	100,778.5881	1.6675	2.2296	101,484.6926
Total	**35.8440**	**190.1411**	**340.6874**	**1.8084**	**186.4776**	**1.9246**	**188.4022**	**50.2217**	**1.8241**	**52.0458**		**187,022.1928**	**187,022.1928**	**2.8920**	**14.8258**	**191,512.5923**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0816	173.6436	69.6609	0.7972	33.7571	1.4068	35.1639	9.7194	1.3458	11.0652		84,762.5560	84,762.5560	1.2558	12.3614	88,477.6504
Worker	29.0274	15.4673	263.2073	0.9795	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		99,003.9773	99,003.9773	1.5563	2.1596	99,686.4474
Total	**34.1090**	**189.1109**	**332.8682**	**1.7767**	**186.4773**	**1.8479**	**188.3251**	**50.2215**	**1.7516**	**51.9731**		**183,766.5333**	**183,766.5333**	**2.8121**	**14.5210**	**188,164.0979**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.4 Building Construction - 2031

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0816	173.6436	69.6609	0.7972	33.7571	1.4068	35.1639	9.7194	1.3458	11.0652		84,762.5560	84,762.5560	1.2558	12.3614	88,477.6504
Worker	29.0274	15.4673	263.2073	0.9795	152.7201	0.4411	153.1612	40.5021	0.4058	40.9080		99,003.9773	99,003.9773	1.5563	2.1596	99,686.4474
Total	**34.1090**	**189.1109**	**332.8682**	**1.7767**	**186.4773**	**1.8479**	**188.3251**	**50.2215**	**1.7516**	**51.9731**		**183,766.5333**	**183,766.5333**	**2.8121**	**14.5210**	**188,164.0979**

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**		**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0783	172.6838	69.7212	0.7854	33.7568	1.4012	35.1581	9.7193	1.3404	11.0598		83,530.1100	83,530.1100	1.2849	12.1657	87,187.6175
Worker	27.4734	14.5255	254.0646	0.9624	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		97,281.3079	97,281.3079	1.4509	2.0986	97,942.9737
Total	**32.5517**	**187.2093**	**323.7858**	**1.7478**	**186.4770**	**1.8142**	**188.2912**	**50.2214**	**1.7204**	**51.9419**		**180,811.4179**	**180,811.4179**	**2.7358**	**14.2644**	**185,130.5912**

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

3.4 Building Construction - 2032

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	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	**1.3091**	**7.9346**	**16.1570**	**0.0310**		**0.1481**	**0.1481**		**0.1481**	**0.1481**	**0.0000**	**2,897.5468**	**2,897.5468**	**0.1162**		**2,900.4529**

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	5.0783	172.6838	69.7212	0.7854	33.7568	1.4012	35.1581	9.7193	1.3404	11.0598		83,530.1100	83,530.1100	1.2849	12.1657	87,187.6175
Worker	27.4734	14.5255	254.0646	0.9624	152.7201	0.4130	153.1331	40.5021	0.3800	40.8821		97,281.3079	97,281.3079	1.4509	2.0986	97,942.9737
Total	**32.5517**	**187.2093**	**323.7858**	**1.7478**	**186.4770**	**1.8142**	**188.2912**	**50.2214**	**1.7204**	**51.9419**		**180,811.4179**	**180,811.4179**	**2.7358**	**14.2644**	**185,130.5912**

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0302	0.0160	0.2789	1.0600e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		106.8008	106.8008	1.5900e-003	2.3000e-003	107.5272
Total	**0.0302**	**0.0160**	**0.2789**	**1.0600e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**106.8008**	**106.8008**	**1.5900e-003**	**2.3000e-003**	**107.5272**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.5 Paving - 2032

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0302	0.0160	0.2789	1.0600e-003	0.1677	4.5000e-004	0.1681	0.0445	4.2000e-004	0.0449		106.8008	106.8008	1.5900e-003	2.3000e-003	107.5272
Total	**0.0302**	**0.0160**	**0.2789**	**1.0600e-003**	**0.1677**	**4.5000e-004**	**0.1681**	**0.0445**	**4.2000e-004**	**0.0449**		**106.8008**	**106.8008**	**1.5900e-003**	**2.3000e-003**	**107.5272**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306		2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**		**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0286	0.0151	0.2703	1.0400e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		105.1395	105.1395	1.4900e-003	2.2500e-003	105.8469
Total	**0.0286**	**0.0151**	**0.2703**	**1.0400e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**105.1395**	**105.1395**	**1.4900e-003**	**2.2500e-003**	**105.8469**

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

3.5 Paving - 2033

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	1.3845	7.1202	15.8495	0.0281		0.3306	0.3306		0.3306	0.3306	0.0000	2,656.5168	2,656.5168	0.1245		2,659.6302
Paving	0.3542					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.7387**	**7.1202**	**15.8495**	**0.0281**		**0.3306**	**0.3306**		**0.3306**	**0.3306**	**0.0000**	**2,656.5168**	**2,656.5168**	**0.1245**		**2,659.6302**

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	0.0286	0.0151	0.2703	1.0400e-003	0.1677	4.3000e-004	0.1681	0.0445	3.9000e-004	0.0449		105.1395	105.1395	1.4900e-003	2.2500e-003	105.8469
Total	**0.0286**	**0.0151**	**0.2703**	**1.0400e-003**	**0.1677**	**4.3000e-004**	**0.1681**	**0.0445**	**3.9000e-004**	**0.0449**		**105.1395**	**105.1395**	**1.4900e-003**	**2.2500e-003**	**105.8469**

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

3.6 Architectural Coating - 2033

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	357.6692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	**357.7999**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**		**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.2168	2.7491	49.2416	0.1895	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		19,156.4110	19,156.4110	0.2718	0.4097	19,285.2976
Total	**5.2168**	**2.7491**	**49.2416**	**0.1895**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**19,156.4110**	**19,156.4110**	**0.2718**	**0.4097**	**19,285.2976**

Rio Vista Specific Plan - LST - Riverside-South Coast County, Winter

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

3.6 Architectural Coating - 2033

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	357.6692					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.7328
Total	**357.7999**	**0.8563**	**1.7977**	**2.9700e-003**		**0.0203**	**0.0203**		**0.0203**	**0.0203**	**0.0000**	**281.4481**	**281.4481**	**0.0114**		**281.7328**

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	5.2168	2.7491	49.2416	0.1895	30.5485	0.0776	30.6261	8.1016	0.0714	8.1730		19,156.4110	19,156.4110	0.2718	0.4097	19,285.2976
Total	**5.2168**	**2.7491**	**49.2416**	**0.1895**	**30.5485**	**0.0776**	**30.6261**	**8.1016**	**0.0714**	**8.1730**		**19,156.4110**	**19,156.4110**	**0.2718**	**0.4097**	**19,285.2976**

Rio Vista Specific Plan - LST - Riverside-South Coast County, 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	44.4960	68.5778	354.2748	0.7296	91.8259	0.5790	92.4049	24.5081	0.5441	25.0522		74,682.4480	74,682.4480	4.7894	5.1938	76,349.9454
Unmitigated	44.4960	68.5778	354.2748	0.7296	91.8259	0.5790	92.4049	24.5081	0.5441	25.0522		74,682.4480	74,682.4480	4.7894	5.1938	76,349.9454

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	14.35	36.06	40.30	19,725	19,725
Condo/Townhouse High Rise	7,459.08	7,459.08	7459.08	8,441,941	8,441,941
Elementary School	1,745.26	0.00	0.00	1,105,266	1,105,266
General Heavy Industry	5,409.24	5,409.24	5409.24	6,432,113	6,432,113
General Heavy Industry	129.93	129.93	129.93	154,499	154,499
Office Park	17,788.56	5,858.08	2714.72	15,233,985	15,233,985
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	6,353.12	6,420.42	5754.15	7,104,291	7,104,291
Single Family Housing	47.20	47.70	42.75	52,781	52,781
Total	38,946.75	25,360.52	21,550.17	38,544,601	38,544,601

4.3 Trip Type Information

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

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	3.50	3.50	3.50	33.00	48.00	19.00	66	28	6
Condo/Townhouse High Rise	3.50	3.50	3.50	40.20	19.20	40.60	86	11	3
Elementary School	3.50	3.50	3.50	65.00	30.00	5.00	63	25	12
General Heavy Industry	3.50	3.50	3.50	59.00	28.00	13.00	92	5	3
General Heavy Industry	3.50	3.50	3.50	59.00	28.00	13.00	92	5	3
Office Park	3.50	3.50	3.50	33.00	48.00	19.00	82	15	3
Other Asphalt Surfaces	3.50	3.50	3.50	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	3.50	3.50	3.50	0.00	0.00	0.00	0	0	0
Single Family Housing	3.50	3.50	3.50	40.20	19.20	40.60	86	11	3
Single Family Housing	3.50	3.50	3.50	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Condo/Townhouse High Rise	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Elementary School	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
General Heavy Industry	0.485700	0.054300	0.165200	0.116500	0.025800	0.006900	0.043500	0.102100	0.000000	0.000000	0.000000	0.000000	0.000000
Office Park	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Other Non-Asphalt Surfaces	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376
Single Family Housing	0.552878	0.058674	0.179099	0.125460	0.022021	0.006385	0.011275	0.016765	0.000587	0.000264	0.022177	0.001040	0.003376

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Rio Vista Specific Plan - LST - Riverside-South Coast County, 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					
NaturalGas Mitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456
NaturalGas Unmitigated	3.9386	35.2606	26.0783	0.2148		2.7212	2.7212		2.7212	2.7212		42,967.0141	42,967.0141	0.8235	0.7877	43,222.3456

Rio Vista Specific Plan - LST - Riverside-South Coast County, 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					
City Park	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
Condo/Townhouse High Rise	40151.9	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5403.1	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28282.4	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	387.492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52156.5	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

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					
City Park	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
Condo/Townhouse High Rise	40.1519	0.4330	3.7003	1.5746	0.0236		0.2992	0.2992		0.2992	0.2992		4,723.7490	4,723.7490	0.0905	0.0866	4,751.8199
Elementary School	13.897	0.1499	1.3625	1.1445	8.1700e-003		0.1036	0.1036		0.1036	0.1036		1,634.9356	1,634.9356	0.0313	0.0300	1,644.6512
General Heavy Industry	224.941	2.4258	22.0531	18.5246	0.1323		1.6760	1.6760		1.6760	1.6760		26,463.6863	26,463.6863	0.5072	0.4852	26,620.9468
General Heavy Industry	5.4031	0.0583	0.5297	0.4450	3.1800e-003		0.0403	0.0403		0.0403	0.0403		635.6583	635.6583	0.0122	0.0117	639.4357
Office Park	28.2824	0.3050	2.7728	2.3291	0.0166		0.2107	0.2107		0.2107	0.2107		3,327.3425	3,327.3425	0.0638	0.0610	3,347.1152
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.387492	4.1800e-003	0.0357	0.0152	2.3000e-004		2.8900e-003	2.8900e-003		2.8900e-003	2.8900e-003		45.5873	45.5873	8.7000e-004	8.4000e-004	45.8582
Single Family Housing	52.1565	0.5625	4.8066	2.0454	0.0307		0.3886	0.3886		0.3886	0.3886		6,136.0550	6,136.0550	0.1176	0.1125	6,172.5185
Total		**3.9387**	**35.2606**	**26.0783**	**0.2148**		**2.7213**	**2.7213**		**2.7213**	**2.7213**		**42,967.0141**	**42,967.0141**	**0.8235**	**0.7877**	**43,222.3456**

6.0 Area Detail

6.1 Mitigation Measures Area

Rio Vista Specific Plan - LST - Riverside-South Coast County, 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	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017
Unmitigated	204.9309	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791	0.0000	253.6940	253.6940	0.2443	0.0000	259.8017

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	14.2088					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**204.9309**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

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	14.2088					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	186.4776					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	4.2446	1.6164	140.3777	7.4500e-003		0.7791	0.7791		0.7791	0.7791		253.6940	253.6940	0.2443		259.8017
Total	**204.9309**	**1.6164**	**140.3777**	**7.4500e-003**		**0.7791**	**0.7791**		**0.7791**	**0.7791**	**0.0000**	**253.6940**	**253.6940**	**0.2443**	**0.0000**	**259.8017**

7.0 Water Detail

7.1 Mitigation Measures Water

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

City of Jurupa - Rio Vista Specific Plan Project—Energy Consumption Summary

Summary of Energy Use During Construction		
Construction vehicle fuel	19,427,357	gallons (gasoline, diesel)
Construction equipment fuel	325,408	gallons (diesel)
Construction office trailer electricity	66,188	kilowatt hours
Summary of Energy Use During Proposed Operations		(Annually)
Operational vehicle fuel consumption	3,459,979	gallons (gasoline, diesel)
Operational natural gas consumption	133,305,155	kilo-British Thermal Units
Operational electricity consumption	73,808,873	kilowatt hours

Construction Vehicle Fuel Calculations

California Air Resource Board (ARB). 2021. EMFAC2017 Web Database. Website: https://arb.ca.gov/emfac/2017/. Accessed May 27, 2022

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

VMT = Vehicle Miles Traveled
FE = Fuel Economy

							Calculations	
VehClass	MdlYr	Speed	Fuel	Population	VMT (mi/day)	Consumption (1000 gallons/day)	FE (mi/gallon)	VMT*FE
HHDT	Aggregated	Aggregated	GAS	6.027894532	477.270496	0.106770859	4.47004454	2133.4204
HHDT	Aggregated	Aggregated	DSL	16452.58246	2034696.7	266.1281332	7.64555284	15556381
LDA	Aggregated	Aggregated	GAS	617514.3579	24478836.6	721.470804	33.9290744	830544266
LDA	Aggregated	Aggregated	DSL	6395.726935	263555.991	4.809813607	54.7954686	14441674
LDT1	Aggregated	Aggregated	GAS	63219.76211	2347037.16	81.17710169	28.9125519	67858834
LDT1	Aggregated	Aggregated	DSL	24.10721025	533.616122	0.020009633	26.667961	14230.454
LDT2	Aggregated	Aggregated	GAS	191595.1165	7375145.52	266.5528329	27.6686068	204060001
LDT2	Aggregated	Aggregated	DSL	1293.932614	56317.2038	1.356033097	41.5308476	2338901.2
LHDT1	Aggregated	Aggregated	GAS	15013.79924	481213.698	43.42353163	11.0818646	5332745
LHDT1	Aggregated	Aggregated	DSL	15906.59016	516976.935	24.02819078	21.5154333	11122983
LHDT2	Aggregated	Aggregated	GAS	2255.583712	72284.4529	7.458415808	9.69166305	700556.56
LHDT2	Aggregated	Aggregated	DSL	6233.384608	201737.909	10.26708544	19.6489949	3963947.1
MHDT	Aggregated	Aggregated	GAS	1398.543137	56941.8987	10.44742239	5.4503299	310352.13
MHDT	Aggregated	Aggregated	DSL	12021.28574	757768.717	63.99894705	11.840331	8972232.4

Worker

Sum of VMT*FE (Column BI)	**1.119E+09**
Total VMT	**34521426**
Weighted Average FE	**32.422123**

Vendor

Sum of VMT*FE (Column BI)	**45961331**
Total VMT	**4122097.6**
Weighted Average FE	**11.149986**

Haul

Sum of VMT*FE (Column BI)	**15558515**
Total VMT	**2035174**
Weighted Average FE	**7.6448082**

Construction Parameters

Source: AQ/GHG Appendix, CalEEMod Output
Rio Vista Specific Plan - Riverside-South Coast County, Annual
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Construction Schedule

Phase 1	Phase Type	Start Date	End Date	Num Days Week	Num Days
Site Preparation	Site Preparation	1/1/2024	4/19/2024	5	80
Grading	Grading	4/20/2024	1/31/2025	5	205
Building Construction	Building Construction	2/1/2025	11/19/2032	5	2035
Paving	Paving	11/20/2032	6/10/2033	5	145
Architectural Coating	Architectural Coating	6/11/2033	12/30/2033	5	145

Construction Trips and VMT

	Trips per Day		Total Trips	Construction Trip Length in Miles			Number of	Trips per Phase			VMT per Phase			Fuel Consumption (gallons)		
Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Days per Phase	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trips	Vendor Trips	Hauling Trips	Worker Trips	Vendor Trips	Hauling Trips
Preparation	18	0	0	14.7	6.9	20	80	1,440	0	0	21,168	0	0	653	0	0
Grading	20	0	0	14.7	6.9	20	205	4,100	0	0	60,270	0	0	1,859	0	0
Building Construction	13,663	5,271	0	14.7	6.9	20	2,035	27,804,205	10,726,485	0	408,721,814	74,012,747	0	12,606,263	6,637,923	0
Paving	15	0	0	14.7	6.9	20	145	2,175	0	0	31,973	0	0	986	0	0
Architectural Coating	2,733	0	0	14.7	6.9	20	145	396,285	0	0	5,825,390	0	0	179,673	0	0

Total Project Construction VMT (miles)
488,673,360

Total Project Fuel Consumption (gallons)
19,427,357

Construction Equipment Fuel Calculation

Source: AQ/GHG Appendix, CalEEMod Output

Rio Vista Specific Plan - Riverside-South Coast County, Annual

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Construction Schedule

Phase	Phase Type	Start Date	End Date	Num Days Week	Num Days
Site Preparation	Site Preparation	1/1/2024	4/19/2024	5	80
Grading	Grading	4/20/2024	1/31/2025	5	205
Building Construction	Building Construction	2/1/2025	11/19/2032	5	2035
Paving	Paving	11/20/2032	6/10/2033	5	145
Architectural Coating	Architectural Coating	6/11/2033	12/30/2033	5	145

Construction Equipment

Phase	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of Days	HP Hours	Diesel Fuel Usage
Site Preparation	Rubber Tired Dozers	3	8	247	0.4	80	189696	9,484.80
Site Preparation	Tractors/Loaders/Backhoes	4	8	97	0.37	80	91878.4	4,593.92
Grading	Excavators	2	8	158	0.38	205	196931.2	9,846.56
Grading	Graders	1	8	187	0.41	205	125738.8	6,286.94
Grading	Rubber Tired Dozers	1	8	247	0.4	205	162032	8,101.60
Grading	Scrapers	2	8	367	0.48	205	577804.8	28,890.24
Grading	Tractors/Loaders/Backhoes	2	8	97	0.37	205	117719.2	5,885.96
Building Construction	Cranes	1	7	231	0.29	2035	954272.55	47,713.63
Building Construction	Forklifts	3	8	89	0.2	2035	869352	43,467.60
Building Construction	Generator Sets	1	8	84	0.74	2035	1011964.8	50,598.24
Building Construction	Tractors/Loaders/Backhoes	3	7	97	0.37	2035	1533759.15	76,687.96
Building Construction	Welders	1	8	46	0.45	2035	336996	16,849.80
Paving	Pavers	2	8	130	0.42	145	126672	6,333.60
Paving	Paving Equipment	2	8	132	0.36	145	110246.4	5,512.32
Paving	Rollers	2	8	80	0.38	145	70528	3,526.40
Architectural Coating	Air Compressors	1	6	78	0.48	145	32572.8	1,628.64

Total Construction Equipment Fuel Consumption (gallons) **325,408**

Construction Office Electricity Calculation

Source: AQ/GHG Appendix, CalEEMod Output
Jurupa Valley Rio Vista SP EIR Construction Trailer - Riverside-South Coast County, Annual
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kWh/yr = kilowatt hours per year

Energy by Land Use - Electricity		
Annual	6,617	kWh/yr
Total Over Construction	**66,188**	**kWh**

Total Construction Schedule	
Start	1/1/2024
End	12/30/2033
Total Calendar Days	3651
Years	10.00

Project Operational Fuel Calculation

California Air Resource Board (ARB). 2021. EMFAC2017 Web Database. Website: https://arb.ca.gov/emfac/2017/. Accessed May 27, 2022

EMFAC2017 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2033
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption. Note 'day' in the unit is operation day.

VMT = Vehicle Miles Traveled
FE = Fuel Economy

Given *Calculations*

VehClass	MdlYr	Speed	Fuel	Population	VMT	Fuel Consumption	FE	VMT*FE
HHDT	Aggregated	Aggregated	GAS	6.680616082	622.9690221	0.115630378	5.387589616	3356.301434
HHDT	Aggregated	Aggregated	DSL	17835.5842	2364890.996	259.1385548	9.12597123	21581927.19
LDA	Aggregated	Aggregated	GAS	760025.9988	27098711.75	662.8527271	40.88194954	1107848166
LDA	Aggregated	Aggregated	DSL	8990.395795	328619.849	5.057146136	64.98128394	21354139.72
LDT1	Aggregated	Aggregated	GAS	78648.97112	2683863.25	77.1350068	34.79436071	93383306.03
LDT1	Aggregated	Aggregated	DSL	9.890242649	349.1272133	0.010269396	33.9968597	11869.22889
LDT2	Aggregated	Aggregated	GAS	236670.2471	8262890.383	237.0602867	34.85565	288008415.2
LDT2	Aggregated	Aggregated	DSL	2209.752048	80679.43502	1.646221804	49.00884852	3954006.21
LHDT1	Aggregated	Aggregated	GAS	15033.59354	467477.9831	37.05465664	12.61590379	5897657.259
LHDT1	Aggregated	Aggregated	DSL	16375.73679	495607.6019	20.08467928	24.67590321	12229565.21
LHDT2	Aggregated	Aggregated	GAS	2367.29647	72094.91585	6.566498726	10.97920198	791544.6431
LHDT2	Aggregated	Aggregated	DSL	6714.999301	196488.4408	8.78016896	22.37866283	4397148.567
MCY	Aggregated	Aggregated	GAS	31762.1733	175786.9176	4.658083516	37.73803474	6633852.802
MDV	Aggregated	Aggregated	GAS	164236.7518	5419581.527	193.3140993	28.03510736	151938550
MDV	Aggregated	Aggregated	DSL	5353.397064	185961.0217	5.056374486	36.77754133	6839189.16
MH	Aggregated	Aggregated	GAS	3234.1393	25929.26279	4.277416835	6.061897588	157180.5356
MH	Aggregated	Aggregated	DSL	1818.091792	12611.20893	1.040742329	12.11751322	152816.4909
MHDT	Aggregated	Aggregated	GAS	1801.673102	68645.54145	10.99899433	6.241074356	428421.9284
MHDT	Aggregated	Aggregated	DSL	14278.53965	803924.6555	59.47084087	13.51796349	10867424.14
OBUS	Aggregated	Aggregated	GAS	451.8458729	14215.84692	2.299084826	6.183263343	87900.32518
OBUS	Aggregated	Aggregated	DSL	286.5937771	18578.23983	1.753180625	10.59687722	196871.3265
SBUS	Aggregated	Aggregated	GAS	517.3965653	16292.6501	1.735872084	9.385858703	152920.5118
SBUS	Aggregated	Aggregated	DSL	1071.468704	34253.43169	3.805435986	9.001184573	308321.4609
UBUS	Aggregated	Aggregated	GAS	175.1287779	24657.22234	3.227471669	7.639795128	188376.1271

Sum of VMT*FE	**1737412927**
Total VMT	**48852734.22**
Weighted Average FE (miles/gallon)	**35.5643**

Total VMT
Rio Vista Specific Plan - Riverside-South Coast County, Annual
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TABLE 1: PROJECT GENERATED TOTAL VMT

Vehicle Type	Vehicle Trips	Vehicle Trip Length	VMT
Automobile	**30,844**	**15.5**	**478,082**
Total Truck	**814**	**-**	**23,030**
LHDT	218	15.3	3,335
MHDT	159	14.2	2,258
HHDT	437	39.9	17,436
Total	**31,658**	**-**	**501,111**

	Daily VMT (miles)	Annual VMT (miles)	Fuel Consumption	
Total VMT	501,111	182,905,515	**5,142,954**	**gallons per year**

Project Operations Natural Gas Use

Source: AQ/GHG Appendix, CalEEMod Output
Rio Vista Specific Plan - Riverside-South Coast County, Annual
Date: 5/26/2022 3:47 PM

kBTU/yr = kilo-British Thermal Units/year

Land Use	Natural Gas Use (kBTU/yr)
City Park	0
Condo/Townhouse High Rise	14,655,400
Elementary School	5,072,390
General Heavy Industry	1,972,130
General Heavy Industry	82,103,600
Office Park	10,323,100
Other Asphalt Surfaces	0
Other Non-Asphalt Surfaces	0
Single Family Housing	19,037,100
Single Family Housing	141,435
Total	**133,305,155 kBTU/yr**

Project Operations Electricity Use

Source: AQ/GHG Appendix, CalEEMod Output

Rio Vista Specific Plan - Riverside-South Coast County, Annual

Date: 5/26/2022 3:47 PM

kWh/yr = kilowatt hours per year

Land Use	Electricity Use (kWh/yr)	
City Park	0	
Condo/Townhouse High Rise	4,299,840	
Elementary School	4,091,770	
General Heavy Industry	25,192,300	
General Heavy Industry	605,120	
Office Park	34,219,800	
Other Asphalt Surfaces	0	
Other Non-Asphalt Surfaces	0	
Single Family Housing	39,823	
Single Family Housing	5,360,220	
Total	**73,808,873**	**kWh/yr**

Control Pathway

Dispersion Options

Titles

C:\Lakes\AERMOD View\Projects\Rio Vista\Rio Vista.isc

Dispersion Options

- [x] Regulatory Default
- [ ] Non-Default Options

Dispersion Coefficient

Rural

Output Type

- [x] Concentration
- [ ] Total Deposition (Dry & Wet)
- [ ] Dry Deposition
- [ ] Wet Deposition

Plume Depletion

- [ ] Dry Removal
- [ ] Wet Removal

Output Warnings

- [ ] No Output Warnings
- [ ] Non-fatal Warnings for Non-sequential Met Data

Pollutant / Averaging Time / Terrain Options

Pollutant Type

OTHER - DPM

Averaging Time Options

Hours

1	2	3	4	6	8	12	24
■	☐	☐	☐	☐	☐	☐	☐

- [ ] Month
- [x] Period
- [ ] Annual

Exponential Decay

Option not available

Terrain Height Options

- [ ] Flat
- [x] Elevated

SO: Meters
RE: Meters
TG: Meters

Flagpole Receptors

- [ ] Yes
- [x] No

Default Height = 0.00 m

Control Pathway

Optional Files

Re-Start File	Init File	Multi-Year Analyses	Event Input File	Error Listing File
☐	☐	☐	☐	■

Detailed Error Listing File

Filename: Rio Vista AERMOD.err

Source Pathway - Source Inputs

Volume Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dim. [m]	Initial Vertical Dim. [m]
VOLUME	IDLE1	462996.17 Truck Idling	3765467.33	348.43	3.11	1.79E-6	5.00	Surface-Based	1.16	0.85
VOLUME	IDLE2	462685.07 Truck Idling	3765407.60	395.55	3.11	1.79E-6	5.00	Surface-Based	1.16	0.85
VOLUME	IDLE3	462788.95 Truck Idling	3765516.28	375.96	3.11	1.79E-6	5.00	Surface-Based	1.16	0.85
VOLUME	IDLE4	462885.12 Truck Idling	3765198.89	359.08	3.11	1.79E-6	5.00	Surface-Based	1.16	0.85
VOLUME	IDLE5	463104.41 Truck Idling	3765352.77	348.10	3.11	1.79E-6	5.00	Surface-Based	1.16	0.85
VOLUME	IDLE6	463039.01 Truck Idling	3765084.43	333.58	3.11	1.79E-6	5.00	Surface-Based	1.16	0.85
VOLUME	IDLE7	463201.55 Truck Idling	3765308.53	344.89	3.11	1.79E-6	5.00	Surface-Based	1.16	0.85
VOLUME	IDLE8	463302.54 Truck Idling	3765064.24	352.24	3.11	1.79E-6	5.00	Surface-Based	1.16	0.85

Source Pathway - Source Inputs

Line Volume Sources

Source Type: LINE VOLUME
Source: ONSITE1 (On-Site Truck Emissions)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.66	0.00013	Surface-Based	461358.30	3764311.22	291.43	3.11
			462079.34	3764778.74	337.88	3.11
			462185.00	3765356.00	358.12	3.11
			462377.00	3765446.00	374.30	3.11
			462743.00	3765278.00	377.50	3.11
			463111.00	3764956.00	319.66	3.11
			463404.00	3764626.00	291.63	3.11

Source Type: LINE VOLUME
Source: ONSITE10 (Entering/Leaving)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.66	1.92E-7	Surface-Based	462599.10	3765403.09	392.42	0.00
			462514.17	3765316.17	382.99	0.00

Source Type: LINE VOLUME
Source: ONSITE2 (On-Site Car Emissions)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.66	3.67E-6	Surface-Based	461358.30	3764311.22	291.43	0.00
			462079.34	3764778.74	337.88	0.00
			462185.00	3765356.00	358.12	0.00
			462377.00	3765446.00	374.30	0.00
			462743.00	3765278.00	377.50	0.00
			463111.00	3764956.00	319.66	0.00
			463404.00	3764626.00	291.63	0.00

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: ONSITE3 (Entering/Leaving Truck Emissions)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.66	4.96E-6	Surface-Based	462109.15	3764725.04	336.35	3.11
			462038.89	3764791.17	339.42	3.11
			462013.14	3764810.84	338.11	3.11

Source Type: LINE VOLUME
Source: ONSITE4 (Entering/Leaving Truck Emissions)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.66	4.96E-6	Surface-Based	462083.30	3765219.84	356.95	3.11
			462114.72	3765194.14	360.92	3.11
			462164.54	3765153.37	365.21	3.11

Source Type: LINE VOLUME
Source: ONSITE5 (Entering/Leaving Truck Emissions)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.66	4.96E-6	Surface-Based	462303.39	3765473.25	374.74	3.11
			462336.62	3765386.32	367.15	3.11

Source Type: LINE VOLUME
Source: ONSITE6 (Entering/Leaving Truck Emissions)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.66	4.96E-6	Surface-Based	462599.10	3765403.09	392.42	3.11
			462514.17	3765316.17	382.99	3.11

Source Pathway - Source Inputs

Source Type: LINE VOLUME
Source: ONSITE7 (Entering/Leaving Car Emissions)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.66	1.92E-7	Surface-Based	462109.15	3764725.04	336.35	0.00
			462038.89	3764791.17	339.42	0.00
			462013.14	3764810.84	338.11	0.00

Source Type: LINE VOLUME
Source: ONSITE8 (Entering/Leaving Car Emissions)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.66	1.92E-7	Surface-Based	462083.30	3765219.84	356.95	0.00
			462114.72	3765194.14	360.92	0.00
			462164.54	3765153.37	365.21	0.00

Source Type: LINE VOLUME
Source: ONSITE9 (Entering/Leaving Car Emissions)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.66	1.92E-7	Surface-Based	462303.39	3765473.25	374.74	0.00
			462336.62	3765386.32	367.15	0.00

Source Type: LINE VOLUME
Source: US60 (US 60 Emissions)

Length of Side [m]	Emission Rate [g/ s]	Building Height [m]	X Coordinate for Points [m]	Y Coordinate for points [m]	Base Elevation [m]	Release Height [m]
3.66	0.00174	Surface-Based	460051.93	3763598.63	275.14	0.00
			462197.00	3762732.00	264.47	0.00
			462779.50	3762732.00	254.96	0.00
			463888.00	3762836.00	247.41	0.00
			464293.00	3762812.00	247.75	0.00

Source Pathway - Source Inputs

Volume Sources Generated from Line Sources

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0081868	460053.62	3763597.95	275.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081869	460057.01	3763596.58	275.21	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081870	460060.40	3763595.21	275.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081871	460063.80	3763593.84	275.25	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081872	460067.19	3763592.47	275.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081873	460070.58	3763591.10	275.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081874	460073.97	3763589.73	275.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081875	460077.36	3763588.36	275.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081876	460080.75	3763586.99	275.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081877	460084.14	3763585.62	275.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081878	460087.53	3763584.24	275.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081879	460090.93	3763582.87	275.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081880	460094.32	3763581.50	275.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081881	460097.71	3763580.13	275.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081882	460101.10	3763578.76	275.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081883	460104.49	3763577.39	275.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081884	460107.88	3763576.02	275.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081885	460111.27	3763574.65	275.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081886	460114.67	3763573.28	275.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081887	460118.06	3763571.91	275.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081888	460121.45	3763570.54	275.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081889	460124.84	3763569.17	275.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081890	460128.23	3763567.80	275.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081891	460131.62	3763566.43	275.56	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0081892	460135.01	3763565.06	275.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081893	460138.40	3763563.69	275.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081894	460141.80	3763562.32	275.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081895	460145.19	3763560.95	275.78	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081896	460148.58	3763559.58	275.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081897	460151.97	3763558.21	275.91	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081898	460155.36	3763556.84	275.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081899	460158.75	3763555.47	276.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081900	460162.14	3763554.10	276.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081901	460165.53	3763552.73	276.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081902	460168.93	3763551.36	276.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081903	460172.32	3763549.99	276.74	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081904	460175.71	3763548.62	276.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081905	460179.10	3763547.25	277.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081906	460182.49	3763545.88	277.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081907	460185.88	3763544.51	277.65	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081908	460189.27	3763543.14	277.96	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081909	460192.66	3763541.77	278.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081910	460196.06	3763540.40	278.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081911	460199.45	3763539.03	278.89	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081912	460202.84	3763537.66	279.20	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081913	460206.23	3763536.29	279.50	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081914	460209.62	3763534.92	279.89	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081915	460213.01	3763533.55	280.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081916	460216.40	3763532.18	280.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0081917	460219.79	3763530.81	281.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081918	460223.19	3763529.44	281.39	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081919	460226.58	3763528.07	281.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081920	460229.97	3763526.70	282.11	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081921	460233.36	3763525.33	282.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081922	460236.75	3763523.96	282.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081923	460240.14	3763522.59	283.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081924	460243.53	3763521.22	283.62	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081925	460246.93	3763519.85	284.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081926	460250.32	3763518.48	284.39	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081927	460253.71	3763517.11	284.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081928	460257.10	3763515.74	285.10	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081929	460260.49	3763514.37	285.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081930	460263.88	3763513.00	285.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081931	460267.27	3763511.63	286.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081932	460270.66	3763510.26	286.83	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081933	460274.06	3763508.89	287.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081934	460277.45	3763507.52	287.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081935	460280.84	3763506.15	288.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081936	460284.23	3763504.78	288.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081937	460287.62	3763503.41	288.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081938	460291.01	3763502.04	289.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081939	460294.40	3763500.67	289.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081940	460297.79	3763499.30	290.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081941	460301.19	3763497.93	290.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0081942	460304.58	3763496.56	290.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081943	460307.97	3763495.19	291.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081944	460311.36	3763493.82	291.80	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081945	460314.75	3763492.45	292.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081946	460318.14	3763491.08	292.76	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081947	460321.53	3763489.71	293.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081948	460324.92	3763488.34	293.68	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081949	460328.32	3763486.97	294.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081950	460331.71	3763485.60	294.53	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081951	460335.10	3763484.23	294.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081952	460338.49	3763482.86	295.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081953	460341.88	3763481.49	295.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081954	460345.27	3763480.12	296.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081955	460348.66	3763478.75	296.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081956	460352.06	3763477.38	297.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081957	460355.45	3763476.01	297.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081958	460358.84	3763474.64	297.77	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081959	460362.23	3763473.27	298.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081960	460365.62	3763471.90	298.59	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081961	460369.01	3763470.53	298.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081962	460372.40	3763469.16	299.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081963	460375.79	3763467.79	299.70	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081964	460379.19	3763466.42	300.04	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081965	460382.58	3763465.05	300.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081966	460385.97	3763463.67	300.56	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0081967	460389.36	3763462.30	300.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081968	460392.75	3763460.93	300.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081969	460396.14	3763459.56	300.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081970	460399.53	3763458.19	300.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081971	460402.92	3763456.82	300.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081972	460406.32	3763455.45	299.96	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081973	460409.71	3763454.08	299.79	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081974	460413.10	3763452.71	299.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081975	460416.49	3763451.34	298.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081976	460419.88	3763449.97	297.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081977	460423.27	3763448.60	296.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081978	460426.66	3763447.23	295.60	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081979	460430.05	3763445.86	294.73	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081980	460433.45	3763444.49	293.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081981	460436.84	3763443.12	292.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081982	460440.23	3763441.75	291.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081983	460443.62	3763440.38	290.79	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081984	460447.01	3763439.01	289.71	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081985	460450.40	3763437.64	288.65	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081986	460453.79	3763436.27	287.60	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081987	460457.19	3763434.90	286.57	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081988	460460.58	3763433.53	285.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081989	460463.97	3763432.16	284.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081990	460467.36	3763430.79	283.68	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081991	460470.75	3763429.42	282.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

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US60	L0081992	460474.14	3763428.05	281.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081993	460477.53	3763426.68	281.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081994	460480.92	3763425.31	280.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081995	460484.32	3763423.94	279.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081996	460487.71	3763422.57	279.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081997	460491.10	3763421.20	278.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081998	460494.49	3763419.83	278.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0081999	460497.88	3763418.46	277.71	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082000	460501.27	3763417.09	277.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082001	460504.66	3763415.72	276.83	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082002	460508.05	3763414.35	276.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082003	460511.45	3763412.98	275.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082004	460514.84	3763411.61	275.55	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082005	460518.23	3763410.24	275.20	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082006	460521.62	3763408.87	274.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082007	460525.01	3763407.50	274.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082008	460528.40	3763406.13	274.17	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082009	460531.79	3763404.76	273.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082010	460535.18	3763403.39	273.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082011	460538.58	3763402.02	273.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082012	460541.97	3763400.65	272.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082013	460545.36	3763399.28	272.59	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082014	460548.75	3763397.91	272.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082015	460552.14	3763396.54	272.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082016	460555.53	3763395.17	271.76	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

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US60	L0082017	460558.92	3763393.80	271.50	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082018	460562.31	3763392.43	271.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082019	460565.71	3763391.06	271.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082020	460569.10	3763389.69	270.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082021	460572.49	3763388.32	270.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082022	460575.88	3763386.95	270.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082023	460579.27	3763385.58	270.57	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082024	460582.66	3763384.21	270.44	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082025	460586.05	3763382.84	270.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082026	460589.45	3763381.47	270.21	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082027	460592.84	3763380.10	270.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082028	460596.23	3763378.73	270.05	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082029	460599.62	3763377.36	269.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082030	460603.01	3763375.99	269.91	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082031	460606.40	3763374.62	269.83	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082032	460609.79	3763373.25	269.76	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082033	460613.18	3763371.88	269.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082034	460616.58	3763370.51	269.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082035	460619.97	3763369.14	269.57	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082036	460623.36	3763367.77	269.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082037	460626.75	3763366.40	269.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082038	460630.14	3763365.03	269.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082039	460633.53	3763363.66	269.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082040	460636.92	3763362.29	269.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082041	460640.31	3763360.92	269.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

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US60	L0082042	460643.71	3763359.55	269.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082043	460647.10	3763358.18	269.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082044	460650.49	3763356.81	269.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082045	460653.88	3763355.44	269.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082046	460657.27	3763354.07	269.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082047	460660.66	3763352.70	268.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082048	460664.05	3763351.33	268.92	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082049	460667.44	3763349.96	268.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082050	460670.84	3763348.59	268.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082051	460674.23	3763347.22	268.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082052	460677.62	3763345.85	268.70	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082053	460681.01	3763344.48	268.64	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082054	460684.40	3763343.10	268.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082055	460687.79	3763341.73	268.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082056	460691.18	3763340.36	268.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082057	460694.58	3763338.99	268.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082058	460697.97	3763337.62	268.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082059	460701.36	3763336.25	268.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082060	460704.75	3763334.88	268.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082061	460708.14	3763333.51	268.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082062	460711.53	3763332.14	268.10	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082063	460714.92	3763330.77	268.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082064	460718.31	3763329.40	267.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082065	460721.71	3763328.03	267.95	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082066	460725.10	3763326.66	267.91	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

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US60	L0082067	460728.49	3763325.29	267.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082068	460731.88	3763323.92	267.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082069	460735.27	3763322.55	267.76	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082070	460738.66	3763321.18	267.70	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082071	460742.05	3763319.81	267.64	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082072	460745.44	3763318.44	267.59	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082073	460748.84	3763317.07	267.55	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082074	460752.23	3763315.70	267.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082075	460755.62	3763314.33	267.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082076	460759.01	3763312.96	267.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082077	460762.40	3763311.59	267.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082078	460765.79	3763310.22	267.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082079	460769.18	3763308.85	267.25	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082080	460772.57	3763307.48	267.20	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082081	460775.97	3763306.11	267.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082082	460779.36	3763304.74	267.09	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082083	460782.75	3763303.37	267.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082084	460786.14	3763302.00	266.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082085	460789.53	3763300.63	266.91	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082086	460792.92	3763299.26	266.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082087	460796.31	3763297.89	266.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082088	460799.70	3763296.52	266.77	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082089	460803.10	3763295.15	266.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082090	460806.49	3763293.78	266.68	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082091	460809.88	3763292.41	266.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

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US60	L0082092	460813.27	3763291.04	266.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082093	460816.66	3763289.67	266.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082094	460820.05	3763288.30	266.47	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082095	460823.44	3763286.93	266.41	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082096	460826.84	3763285.56	266.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082097	460830.23	3763284.19	266.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082098	460833.62	3763282.82	266.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082099	460837.01	3763281.45	266.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082100	460840.40	3763280.08	266.12	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082101	460843.79	3763278.71	266.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082102	460847.18	3763277.34	266.02	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082103	460850.57	3763275.97	265.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082104	460853.97	3763274.60	265.95	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082105	460857.36	3763273.23	265.92	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082106	460860.75	3763271.86	265.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082107	460864.14	3763270.49	265.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082108	460867.53	3763269.12	265.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082109	460870.92	3763267.75	265.78	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082110	460874.31	3763266.38	265.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082111	460877.70	3763265.01	265.71	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082112	460881.10	3763263.64	265.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082113	460884.49	3763262.27	265.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082114	460887.88	3763260.90	265.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082115	460891.27	3763259.53	265.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082116	460894.66	3763258.16	265.49	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082117	460898.05	3763256.79	265.45	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082118	460901.44	3763255.42	265.41	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082119	460904.83	3763254.05	265.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082120	460908.23	3763252.68	265.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082121	460911.62	3763251.31	265.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082122	460915.01	3763249.94	265.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082123	460918.40	3763248.57	265.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082124	460921.79	3763247.20	265.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082125	460925.18	3763245.83	265.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082126	460928.57	3763244.46	265.12	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082127	460931.97	3763243.09	265.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082128	460935.36	3763241.72	265.04	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082129	460938.75	3763240.35	265.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082130	460942.14	3763238.98	264.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082131	460945.53	3763237.61	264.93	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082132	460948.92	3763236.24	264.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082133	460952.31	3763234.87	264.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082134	460955.70	3763233.50	264.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082135	460959.10	3763232.13	264.80	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082136	460962.49	3763230.76	264.77	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082137	460965.88	3763229.39	264.73	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082138	460969.27	3763228.02	264.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082139	460972.66	3763226.65	264.65	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082140	460976.05	3763225.28	264.60	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082141	460979.44	3763223.91	264.56	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082142	460982.83	3763222.53	264.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082143	460986.23	3763221.16	264.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082144	460989.62	3763219.79	264.44	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082145	460993.01	3763218.42	264.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082146	460996.40	3763217.05	264.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082147	460999.79	3763215.68	264.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082148	461003.18	3763214.31	264.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082149	461006.57	3763212.94	264.21	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082150	461009.96	3763211.57	264.17	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082151	461013.36	3763210.20	264.12	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082152	461016.75	3763208.83	264.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082153	461020.14	3763207.46	264.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082154	461023.53	3763206.09	263.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082155	461026.92	3763204.72	263.93	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082156	461030.31	3763203.35	263.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082157	461033.70	3763201.98	263.78	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082158	461037.10	3763200.61	263.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082159	461040.49	3763199.24	263.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082160	461043.88	3763197.87	263.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082161	461047.27	3763196.50	263.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082162	461050.66	3763195.13	263.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082163	461054.05	3763193.76	263.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082164	461057.44	3763192.39	263.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082165	461060.83	3763191.02	263.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082166	461064.23	3763189.65	263.25	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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US60	L0082167	461067.62	3763188.28	263.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082168	461071.01	3763186.91	263.20	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082169	461074.40	3763185.54	263.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082170	461077.79	3763184.17	263.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082171	461081.18	3763182.80	263.17	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082172	461084.57	3763181.43	263.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082173	461087.96	3763180.06	263.21	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082174	461091.36	3763178.69	263.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082175	461094.75	3763177.32	263.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082176	461098.14	3763175.95	263.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082177	461101.53	3763174.58	263.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082178	461104.92	3763173.21	263.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082179	461108.31	3763171.84	263.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082180	461111.70	3763170.47	263.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082181	461115.09	3763169.10	263.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082182	461118.49	3763167.73	263.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082183	461121.88	3763166.36	263.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082184	461125.27	3763164.99	263.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082185	461128.66	3763163.62	263.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082186	461132.05	3763162.25	263.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082187	461135.44	3763160.88	263.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082188	461138.83	3763159.51	263.11	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082189	461142.22	3763158.14	263.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082190	461145.62	3763156.77	263.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082191	461149.01	3763155.40	263.04	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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US60	L0082192	461152.40	3763154.03	263.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082193	461155.79	3763152.66	262.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082194	461159.18	3763151.29	262.96	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082195	461162.57	3763149.92	262.93	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082196	461165.96	3763148.55	262.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082197	461169.36	3763147.18	262.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082198	461172.75	3763145.81	262.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082199	461176.14	3763144.44	262.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082200	461179.53	3763143.07	262.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082201	461182.92	3763141.70	262.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082202	461186.31	3763140.33	262.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082203	461189.70	3763138.96	262.89	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082204	461193.09	3763137.59	262.89	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082205	461196.49	3763136.22	262.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082206	461199.88	3763134.85	262.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082207	461203.27	3763133.48	262.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082208	461206.66	3763132.11	262.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082209	461210.05	3763130.74	262.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082210	461213.44	3763129.37	262.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082211	461216.83	3763128.00	262.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082212	461220.22	3763126.63	262.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082213	461223.62	3763125.26	262.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082214	461227.01	3763123.89	262.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082215	461230.40	3763122.52	262.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082216	461233.79	3763121.15	262.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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US60	L0082217	461237.18	3763119.78	262.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082218	461240.57	3763118.41	262.92	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082219	461243.96	3763117.04	262.95	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082220	461247.35	3763115.67	262.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082221	461250.75	3763114.30	263.00	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082222	461254.14	3763112.93	263.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082223	461257.53	3763111.56	263.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082224	461260.92	3763110.19	263.11	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082225	461264.31	3763108.82	263.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082226	461267.70	3763107.45	263.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082227	461271.09	3763106.08	263.17	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082228	461274.49	3763104.71	263.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082229	461277.88	3763103.34	263.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082230	461281.27	3763101.96	263.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082231	461284.66	3763100.59	263.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082232	461288.05	3763099.22	263.17	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082233	461291.44	3763097.85	263.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082234	461294.83	3763096.48	263.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082235	461298.22	3763095.11	263.11	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082236	461301.62	3763093.74	263.09	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082237	461305.01	3763092.37	263.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082238	461308.40	3763091.00	263.04	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082239	461311.79	3763089.63	263.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082240	461315.18	3763088.26	263.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082241	461318.57	3763086.89	263.00	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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US60	L0082242	461321.96	3763085.52	262.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082243	461325.35	3763084.15	262.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082244	461328.75	3763082.78	262.96	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082245	461332.14	3763081.41	262.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082246	461335.53	3763080.04	262.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082247	461338.92	3763078.67	263.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082248	461342.31	3763077.30	263.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082249	461345.70	3763075.93	263.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082250	461349.09	3763074.56	262.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082251	461352.48	3763073.19	262.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082252	461355.88	3763071.82	262.93	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082253	461359.27	3763070.45	262.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082254	461362.66	3763069.08	262.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082255	461366.05	3763067.71	262.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082256	461369.44	3763066.34	262.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082257	461372.83	3763064.97	262.79	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082258	461376.22	3763063.60	262.76	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082259	461379.62	3763062.23	262.73	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082260	461383.01	3763060.86	262.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082261	461386.40	3763059.49	262.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082262	461389.79	3763058.12	262.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082263	461393.18	3763056.75	262.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082264	461396.57	3763055.38	262.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082265	461399.96	3763054.01	262.65	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082266	461403.35	3763052.64	262.65	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082267	461406.75	3763051.27	262.64	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082268	461410.14	3763049.90	262.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082269	461413.53	3763048.53	262.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082270	461416.92	3763047.16	262.77	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082271	461420.31	3763045.79	262.80	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082272	461423.70	3763044.42	262.83	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082273	461427.09	3763043.05	262.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082274	461430.48	3763041.68	262.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082275	461433.88	3763040.31	262.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082276	461437.27	3763038.94	262.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082277	461440.66	3763037.57	262.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082278	461444.05	3763036.20	262.92	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082279	461447.44	3763034.83	262.95	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082280	461450.83	3763033.46	262.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082281	461454.22	3763032.09	262.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082282	461457.61	3763030.72	263.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082283	461461.01	3763029.35	263.04	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082284	461464.40	3763027.98	263.12	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082285	461467.79	3763026.61	263.20	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082286	461471.18	3763025.24	263.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082287	461474.57	3763023.87	263.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082288	461477.96	3763022.50	263.45	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082289	461481.35	3763021.13	263.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082290	461484.74	3763019.76	263.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082291	461488.14	3763018.39	263.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082292	461491.53	3763017.02	263.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082293	461494.92	3763015.65	263.92	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082294	461498.31	3763014.28	264.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082295	461501.70	3763012.91	264.10	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082296	461505.09	3763011.54	264.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082297	461508.48	3763010.17	264.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082298	461511.88	3763008.80	264.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082299	461515.27	3763007.43	264.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082300	461518.66	3763006.06	264.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082301	461522.05	3763004.69	264.53	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082302	461525.44	3763003.32	264.60	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082303	461528.83	3763001.95	264.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082304	461532.22	3763000.58	264.74	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082305	461535.61	3762999.21	264.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082306	461539.01	3762997.84	264.89	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082307	461542.40	3762996.47	264.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082308	461545.79	3762995.10	265.05	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082309	461549.18	3762993.73	265.12	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082310	461552.57	3762992.36	265.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082311	461555.96	3762990.99	265.25	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082312	461559.35	3762989.62	265.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082313	461562.74	3762988.25	265.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082314	461566.14	3762986.88	265.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082315	461569.53	3762985.51	265.45	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082316	461572.92	3762984.14	265.49	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082317	461576.31	3762982.77	265.53	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082318	461579.70	3762981.39	265.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082319	461583.09	3762980.02	265.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082320	461586.48	3762978.65	265.65	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082321	461589.87	3762977.28	265.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082322	461593.27	3762975.91	265.74	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082323	461596.66	3762974.54	265.78	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082324	461600.05	3762973.17	265.83	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082325	461603.44	3762971.80	265.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082326	461606.83	3762970.43	265.91	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082327	461610.22	3762969.06	265.96	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082328	461613.61	3762967.69	266.00	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082329	461617.01	3762966.32	266.02	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082330	461620.40	3762964.95	266.04	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082331	461623.79	3762963.58	266.05	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082332	461627.18	3762962.21	266.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082333	461630.57	3762960.84	266.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082334	461633.96	3762959.47	266.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082335	461637.35	3762958.10	266.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082336	461640.74	3762956.73	266.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082337	461644.14	3762955.36	266.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082338	461647.53	3762953.99	266.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082339	461650.92	3762952.62	266.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082340	461654.31	3762951.25	266.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082341	461657.70	3762949.88	266.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082342	461661.09	3762948.51	266.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082343	461664.48	3762947.14	266.05	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082344	461667.87	3762945.77	266.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082345	461671.27	3762944.40	266.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082346	461674.66	3762943.03	266.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082347	461678.05	3762941.66	266.09	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082348	461681.44	3762940.29	266.10	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082349	461684.83	3762938.92	266.11	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082350	461688.22	3762937.55	266.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082351	461691.61	3762936.18	266.14	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082352	461695.00	3762934.81	266.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082353	461698.40	3762933.44	266.17	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082354	461701.79	3762932.07	266.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082355	461705.18	3762930.70	266.20	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082356	461708.57	3762929.33	266.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082357	461711.96	3762927.96	266.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082358	461715.35	3762926.59	266.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082359	461718.74	3762925.22	266.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082360	461722.14	3762923.85	266.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082361	461725.53	3762922.48	266.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082362	461728.92	3762921.11	266.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082363	461732.31	3762919.74	266.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082364	461735.70	3762918.37	266.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082365	461739.09	3762917.00	266.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082366	461742.48	3762915.63	266.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

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US60	L0082367	461745.87	3762914.26	266.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082368	461749.27	3762912.89	266.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082369	461752.66	3762911.52	266.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082370	461756.05	3762910.15	266.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082371	461759.44	3762908.78	266.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082372	461762.83	3762907.41	266.44	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082373	461766.22	3762906.04	266.47	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082374	461769.61	3762904.67	266.49	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082375	461773.00	3762903.30	266.50	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082376	461776.40	3762901.93	266.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082377	461779.79	3762900.56	266.53	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082378	461783.18	3762899.19	266.55	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082379	461786.57	3762897.82	266.57	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082380	461789.96	3762896.45	266.59	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082381	461793.35	3762895.08	266.62	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082382	461796.74	3762893.71	266.57	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082383	461800.13	3762892.34	266.53	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082384	461803.53	3762890.97	266.49	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082385	461806.92	3762889.60	266.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082386	461810.31	3762888.23	266.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082387	461813.70	3762886.86	266.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082388	461817.09	3762885.49	266.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082389	461820.48	3762884.12	266.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082390	461823.87	3762882.75	266.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082391	461827.26	3762881.38	266.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082392	461830.66	3762880.01	266.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082393	461834.05	3762878.64	266.20	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082394	461837.44	3762877.27	266.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082395	461840.83	3762875.90	266.17	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082396	461844.22	3762874.53	266.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082397	461847.61	3762873.16	266.21	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082398	461851.00	3762871.79	266.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082399	461854.40	3762870.42	266.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082400	461857.79	3762869.05	266.47	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082401	461861.18	3762867.68	266.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082402	461864.57	3762866.31	266.71	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082403	461867.96	3762864.94	266.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082404	461871.35	3762863.57	266.96	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082405	461874.74	3762862.20	266.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082406	461878.13	3762860.82	266.96	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082407	461881.53	3762859.45	266.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082408	461884.92	3762858.08	266.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082409	461888.31	3762856.71	266.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082410	461891.70	3762855.34	266.80	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082411	461895.09	3762853.97	266.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082412	461898.48	3762852.60	266.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082413	461901.87	3762851.23	266.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082414	461905.26	3762849.86	266.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082415	461908.66	3762848.49	265.80	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082416	461912.05	3762847.12	265.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082417	461915.44	3762845.75	265.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082418	461918.83	3762844.38	265.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082419	461922.22	3762843.01	265.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082420	461925.61	3762841.64	264.95	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082421	461929.00	3762840.27	264.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082422	461932.39	3762838.90	264.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082423	461935.79	3762837.53	264.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082424	461939.18	3762836.16	264.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082425	461942.57	3762834.79	264.64	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082426	461945.96	3762833.42	264.59	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082427	461949.35	3762832.05	264.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082428	461952.74	3762830.68	264.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082429	461956.13	3762829.31	264.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082430	461959.53	3762827.94	264.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082431	461962.92	3762826.57	264.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082432	461966.31	3762825.20	264.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082433	461969.70	3762823.83	264.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082434	461973.09	3762822.46	264.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082435	461976.48	3762821.09	264.14	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082436	461979.87	3762819.72	264.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082437	461983.26	3762818.35	264.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082438	461986.66	3762816.98	263.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082439	461990.05	3762815.61	263.92	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082440	461993.44	3762814.24	263.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082441	461996.83	3762812.87	263.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082442	462000.22	3762811.50	263.78	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082443	462003.61	3762810.13	263.74	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082444	462007.00	3762808.76	263.70	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082445	462010.39	3762807.39	263.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082446	462013.79	3762806.02	263.62	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082447	462017.18	3762804.65	263.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082448	462020.57	3762803.28	263.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082449	462023.96	3762801.91	263.50	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082450	462027.35	3762800.54	263.47	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082451	462030.74	3762799.17	263.45	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082452	462034.13	3762797.80	263.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082453	462037.52	3762796.43	263.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082454	462040.92	3762795.06	263.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082455	462044.31	3762793.69	263.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082456	462047.70	3762792.32	263.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082457	462051.09	3762790.95	263.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082458	462054.48	3762789.58	263.25	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082459	462057.87	3762788.21	263.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082460	462061.26	3762786.84	263.21	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082461	462064.65	3762785.47	263.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082462	462068.05	3762784.10	263.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082463	462071.44	3762782.73	263.14	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082464	462074.83	3762781.36	263.11	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082465	462078.22	3762779.99	263.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082466	462081.61	3762778.62	263.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

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US60	L0082467	462085.00	3762777.25	263.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082468	462088.39	3762775.88	263.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082469	462091.79	3762774.51	263.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082470	462095.18	3762773.14	263.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082471	462098.57	3762771.77	263.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082472	462101.96	3762770.40	263.60	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082473	462105.35	3762769.03	263.76	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082474	462108.74	3762767.66	263.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082475	462112.13	3762766.29	264.02	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082476	462115.52	3762764.92	264.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082477	462118.92	3762763.55	264.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082478	462122.31	3762762.18	264.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082479	462125.70	3762760.81	264.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082480	462129.09	3762759.44	264.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082481	462132.48	3762758.07	264.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082482	462135.87	3762756.70	264.49	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082483	462139.26	3762755.33	264.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082484	462142.65	3762753.96	264.53	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082485	462146.05	3762752.59	264.53	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082486	462149.44	3762751.22	264.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082487	462152.83	3762749.85	264.50	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082488	462156.22	3762748.48	264.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082489	462159.61	3762747.11	264.41	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082490	462163.00	3762745.74	264.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082491	462166.39	3762744.37	264.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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US60	L0082492	462169.78	3762743.00	264.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082493	462173.18	3762741.63	264.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082494	462176.57	3762740.25	264.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082495	462179.96	3762738.88	264.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082496	462183.35	3762737.51	264.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082497	462186.74	3762736.14	264.10	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082498	462190.13	3762734.77	264.05	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082499	462193.52	3762733.40	264.00	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082500	462196.92	3762732.03	263.93	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082501	462200.57	3762732.00	264.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082502	462204.22	3762732.00	264.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082503	462207.88	3762732.00	264.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082504	462211.54	3762732.00	264.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082505	462215.20	3762732.00	264.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082506	462218.85	3762732.00	264.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082507	462222.51	3762732.00	264.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082508	462226.17	3762732.00	264.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082509	462229.83	3762732.00	264.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082510	462233.48	3762732.00	264.45	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082511	462237.14	3762732.00	264.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082512	462240.80	3762732.00	264.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082513	462244.46	3762732.00	264.55	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082514	462248.11	3762732.00	264.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082515	462251.77	3762732.00	264.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082516	462255.43	3762732.00	264.65	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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US60	L0082517	462259.09	3762732.00	264.71	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082518	462262.75	3762732.00	264.77	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082519	462266.40	3762732.00	264.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082520	462270.06	3762732.00	264.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082521	462273.72	3762732.00	264.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082522	462277.38	3762732.00	265.00	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082523	462281.03	3762732.00	265.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082524	462284.69	3762732.00	265.14	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082525	462288.35	3762732.00	265.21	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082526	462292.01	3762732.00	265.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082527	462295.66	3762732.00	265.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082528	462299.32	3762732.00	265.44	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082529	462302.98	3762732.00	265.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082530	462306.64	3762732.00	265.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082531	462310.29	3762732.00	265.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082532	462313.95	3762732.00	265.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082533	462317.61	3762732.00	265.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082534	462321.27	3762732.00	265.77	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082535	462324.92	3762732.00	265.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082536	462328.58	3762732.00	265.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082537	462332.24	3762732.00	265.89	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082538	462335.90	3762732.00	265.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082539	462339.55	3762732.00	265.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082540	462343.21	3762732.00	265.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082541	462346.87	3762732.00	265.62	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082542	462350.53	3762732.00	265.55	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082543	462354.19	3762732.00	265.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082544	462357.84	3762732.00	265.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082545	462361.50	3762732.00	265.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082546	462365.16	3762732.00	265.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082547	462368.82	3762732.00	264.91	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082548	462372.47	3762732.00	264.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082549	462376.13	3762732.00	264.59	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082550	462379.79	3762732.00	264.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082551	462383.45	3762732.00	264.25	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082552	462387.10	3762732.00	264.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082553	462390.76	3762732.00	263.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082554	462394.42	3762732.00	263.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082555	462398.08	3762732.00	263.47	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082556	462401.73	3762732.00	263.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082557	462405.39	3762732.00	263.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082558	462409.05	3762732.00	262.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082559	462412.71	3762732.00	262.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082560	462416.36	3762732.00	262.56	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082561	462420.02	3762732.00	262.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082562	462423.68	3762732.00	262.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082563	462427.34	3762732.00	262.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082564	462430.99	3762732.00	261.92	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082565	462434.65	3762732.00	261.76	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082566	462438.31	3762732.00	261.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082567	462441.97	3762732.00	261.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082568	462445.63	3762732.00	261.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082569	462449.28	3762732.00	261.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082570	462452.94	3762732.00	261.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082571	462456.60	3762732.00	260.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082572	462460.26	3762732.00	260.70	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082573	462463.91	3762732.00	260.55	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082574	462467.57	3762732.00	260.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082575	462471.23	3762732.00	260.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082576	462474.89	3762732.00	260.09	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082577	462478.54	3762732.00	259.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082578	462482.20	3762732.00	259.78	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082579	462485.86	3762732.00	259.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082580	462489.52	3762732.00	259.53	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082581	462493.17	3762732.00	259.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082582	462496.83	3762732.00	259.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082583	462500.49	3762732.00	259.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082584	462504.15	3762732.00	259.12	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082585	462507.80	3762732.00	259.02	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082586	462511.46	3762732.00	258.92	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082587	462515.12	3762732.00	258.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082588	462518.78	3762732.00	258.79	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082589	462522.43	3762732.00	258.73	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082590	462526.09	3762732.00	258.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082591	462529.75	3762732.00	258.60	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082592	462533.41	3762732.00	258.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082593	462537.07	3762732.00	258.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082594	462540.72	3762732.00	258.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082595	462544.38	3762732.00	258.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082596	462548.04	3762732.00	258.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082597	462551.70	3762732.00	258.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082598	462555.35	3762732.00	258.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082599	462559.01	3762732.00	258.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082600	462562.67	3762732.00	258.11	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082601	462566.33	3762732.00	258.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082602	462569.98	3762732.00	258.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082603	462573.64	3762732.00	257.95	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082604	462577.30	3762732.00	257.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082605	462580.96	3762732.00	257.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082606	462584.61	3762732.00	257.80	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082607	462588.27	3762732.00	257.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082608	462591.93	3762732.00	257.70	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082609	462595.59	3762732.00	257.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082610	462599.24	3762732.00	257.62	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082611	462602.90	3762732.00	257.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082612	462606.56	3762732.00	257.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082613	462610.22	3762732.00	257.49	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082614	462613.87	3762732.00	257.45	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082615	462617.53	3762732.00	257.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082616	462621.19	3762732.00	257.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082617	462624.85	3762732.00	257.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082618	462628.51	3762732.00	257.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082619	462632.16	3762732.00	257.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082620	462635.82	3762732.00	257.25	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082621	462639.48	3762732.00	257.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082622	462643.14	3762732.00	257.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082623	462646.79	3762732.00	257.17	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082624	462650.45	3762732.00	257.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082625	462654.11	3762732.00	257.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082626	462657.77	3762732.00	257.10	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082627	462661.42	3762732.00	257.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082628	462665.08	3762732.00	257.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082629	462668.74	3762732.00	257.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082630	462672.40	3762732.00	257.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082631	462676.05	3762732.00	256.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082632	462679.71	3762732.00	256.96	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082633	462683.37	3762732.00	256.93	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082634	462687.03	3762732.00	256.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082635	462690.68	3762732.00	256.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082636	462694.34	3762732.00	256.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082637	462698.00	3762732.00	256.79	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082638	462701.66	3762732.00	256.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082639	462705.31	3762732.00	256.71	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082640	462708.97	3762732.00	256.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082641	462712.63	3762732.00	256.62	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082642	462716.29	3762732.00	256.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082643	462719.95	3762732.00	256.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082644	462723.60	3762732.00	256.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082645	462727.26	3762732.00	256.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082646	462730.92	3762732.00	256.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082647	462734.58	3762732.00	256.21	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082648	462738.23	3762732.00	256.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082649	462741.89	3762732.00	256.06	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082650	462745.55	3762732.00	255.95	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082651	462749.21	3762732.00	255.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082652	462752.86	3762732.00	255.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082653	462756.52	3762732.00	255.65	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082654	462760.18	3762732.00	255.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082655	462763.84	3762732.00	255.44	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082656	462767.49	3762732.00	255.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082657	462771.15	3762732.00	255.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082658	462774.81	3762732.00	255.12	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082659	462778.47	3762732.00	255.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082660	462782.11	3762732.25	254.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082661	462785.75	3762732.59	254.80	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082662	462789.40	3762732.93	254.70	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082663	462793.04	3762733.27	254.60	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082664	462796.68	3762733.61	254.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082665	462800.32	3762733.95	254.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082666	462803.96	3762734.30	254.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

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US60	L0082667	462807.60	3762734.64	254.11	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082668	462811.25	3762734.98	253.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082669	462814.89	3762735.32	253.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082670	462818.53	3762735.66	253.73	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082671	462822.17	3762736.00	253.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082672	462825.81	3762736.35	253.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082673	462829.45	3762736.69	253.45	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082674	462833.10	3762737.03	253.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082675	462836.74	3762737.37	253.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082676	462840.38	3762737.71	253.16	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082677	462844.02	3762738.05	253.05	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082678	462847.66	3762738.39	253.00	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082679	462851.30	3762738.74	252.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082680	462854.95	3762739.08	252.93	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082681	462858.59	3762739.42	252.89	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082682	462862.23	3762739.76	252.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082683	462865.87	3762740.10	252.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082684	462869.51	3762740.44	252.77	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082685	462873.15	3762740.79	252.73	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082686	462876.79	3762741.13	252.68	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082687	462880.44	3762741.47	252.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082688	462884.08	3762741.81	252.59	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082689	462887.72	3762742.15	252.56	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082690	462891.36	3762742.49	252.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082691	462895.00	3762742.84	252.49	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082692	462898.64	3762743.18	252.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082693	462902.29	3762743.52	252.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082694	462905.93	3762743.86	252.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082695	462909.57	3762744.20	252.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082696	462913.21	3762744.54	252.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082697	462916.85	3762744.89	252.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082698	462920.49	3762745.23	252.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082699	462924.14	3762745.57	252.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082700	462927.78	3762745.91	252.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082701	462931.42	3762746.25	252.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082702	462935.06	3762746.59	252.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082703	462938.70	3762746.94	252.39	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082704	462942.34	3762747.28	252.41	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082705	462945.99	3762747.62	252.44	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082706	462949.63	3762747.96	252.45	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082707	462953.27	3762748.30	252.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082708	462956.91	3762748.64	252.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082709	462960.55	3762748.99	252.47	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082710	462964.19	3762749.33	252.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082711	462967.84	3762749.67	252.50	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082712	462971.48	3762750.01	252.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082713	462975.12	3762750.35	252.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082714	462978.76	3762750.69	252.56	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082715	462982.40	3762751.04	252.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082716	462986.04	3762751.38	252.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082717	462989.68	3762751.72	252.64	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082718	462993.33	3762752.06	252.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082719	462996.97	3762752.40	252.70	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082720	463000.61	3762752.74	252.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082721	463004.25	3762753.09	252.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082722	463007.89	3762753.43	252.78	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082723	463011.53	3762753.77	252.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082724	463015.18	3762754.11	252.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082725	463018.82	3762754.45	252.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082726	463022.46	3762754.79	252.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082727	463026.10	3762755.14	252.93	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082728	463029.74	3762755.48	252.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082729	463033.38	3762755.82	252.96	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082730	463037.03	3762756.16	252.97	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082731	463040.67	3762756.50	252.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082732	463044.31	3762756.84	253.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082733	463047.95	3762757.19	253.02	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082734	463051.59	3762757.53	253.05	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082735	463055.23	3762757.87	253.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082736	463058.88	3762758.21	253.10	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082737	463062.52	3762758.55	253.12	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082738	463066.16	3762758.89	253.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082739	463069.80	3762759.24	253.17	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082740	463073.44	3762759.58	253.20	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082741	463077.08	3762759.92	253.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082742	463080.72	3762760.26	253.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082743	463084.37	3762760.60	253.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082744	463088.01	3762760.94	253.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082745	463091.65	3762761.29	253.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082746	463095.29	3762761.63	253.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082747	463098.93	3762761.97	253.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082748	463102.57	3762762.31	253.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082749	463106.22	3762762.65	253.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082750	463109.86	3762762.99	253.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082751	463113.50	3762763.34	253.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082752	463117.14	3762763.68	253.41	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082753	463120.78	3762764.02	253.41	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082754	463124.42	3762764.36	253.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082755	463128.07	3762764.70	253.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082756	463131.71	3762765.04	253.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082757	463135.35	3762765.39	253.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082758	463138.99	3762765.73	253.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082759	463142.63	3762766.07	253.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082760	463146.27	3762766.41	252.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082761	463149.92	3762766.75	252.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082762	463153.56	3762767.09	252.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082763	463157.20	3762767.44	252.74	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082764	463160.84	3762767.78	252.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082765	463164.48	3762768.12	252.59	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082766	463168.12	3762768.46	252.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082767	463171.77	3762768.80	252.45	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082768	463175.41	3762769.14	252.39	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082769	463179.05	3762769.49	252.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082770	463182.69	3762769.83	252.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082771	463186.33	3762770.17	252.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082772	463189.97	3762770.51	252.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082773	463193.61	3762770.85	252.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082774	463197.26	3762771.19	252.10	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082775	463200.90	3762771.54	252.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082776	463204.54	3762771.88	252.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082777	463208.18	3762772.22	251.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082778	463211.82	3762772.56	251.96	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082779	463215.46	3762772.90	251.93	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082780	463219.11	3762773.24	251.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082781	463222.75	3762773.59	251.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082782	463226.39	3762773.93	251.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082783	463230.03	3762774.27	251.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082784	463233.67	3762774.61	251.79	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082785	463237.31	3762774.95	251.77	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082786	463240.96	3762775.29	251.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082787	463244.60	3762775.64	251.73	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082788	463248.24	3762775.98	251.71	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082789	463251.88	3762776.32	251.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082790	463255.52	3762776.66	251.68	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082791	463259.16	3762777.00	251.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082792	463262.81	3762777.34	251.64	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082793	463266.45	3762777.69	251.62	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082794	463270.09	3762778.03	251.60	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082795	463273.73	3762778.37	251.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082796	463277.37	3762778.71	251.56	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082797	463281.01	3762779.05	251.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082798	463284.65	3762779.39	251.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082799	463288.30	3762779.74	251.49	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082800	463291.94	3762780.08	251.47	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082801	463295.58	3762780.42	251.45	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082802	463299.22	3762780.76	251.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082803	463302.86	3762781.10	251.40	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082804	463306.50	3762781.44	251.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082805	463310.15	3762781.79	251.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082806	463313.79	3762782.13	251.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082807	463317.43	3762782.47	251.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082808	463321.07	3762782.81	251.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082809	463324.71	3762783.15	251.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082810	463328.35	3762783.49	251.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082811	463332.00	3762783.84	251.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082812	463335.64	3762784.18	251.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082813	463339.28	3762784.52	251.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082814	463342.92	3762784.86	251.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082815	463346.56	3762785.20	251.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082816	463350.20	3762785.54	251.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

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US60	L0082817	463353.85	3762785.89	251.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082818	463357.49	3762786.23	251.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082819	463361.13	3762786.57	251.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082820	463364.77	3762786.91	251.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082821	463368.41	3762787.25	251.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082822	463372.05	3762787.59	251.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082823	463375.70	3762787.94	251.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082824	463379.34	3762788.28	251.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082825	463382.98	3762788.62	251.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082826	463386.62	3762788.96	251.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082827	463390.26	3762789.30	251.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082828	463393.90	3762789.64	251.33	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082829	463397.54	3762789.99	251.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082830	463401.19	3762790.33	251.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082831	463404.83	3762790.67	251.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082832	463408.47	3762791.01	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082833	463412.11	3762791.35	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082834	463415.75	3762791.69	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082835	463419.39	3762792.04	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082836	463423.04	3762792.38	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082837	463426.68	3762792.72	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082838	463430.32	3762793.06	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082839	463433.96	3762793.40	251.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082840	463437.60	3762793.74	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082841	463441.24	3762794.09	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082842	463444.89	3762794.43	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082843	463448.53	3762794.77	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082844	463452.17	3762795.11	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082845	463455.81	3762795.45	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082846	463459.45	3762795.79	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082847	463463.09	3762796.14	251.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082848	463466.74	3762796.48	251.39	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082849	463470.38	3762796.82	251.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082850	463474.02	3762797.16	251.44	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082851	463477.66	3762797.50	251.47	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082852	463481.30	3762797.84	251.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082853	463484.94	3762798.19	251.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082854	463488.58	3762798.53	251.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082855	463492.23	3762798.87	251.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082856	463495.87	3762799.21	251.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082857	463499.51	3762799.55	251.70	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082858	463503.15	3762799.89	251.74	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082859	463506.79	3762800.23	251.79	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082860	463510.43	3762800.58	251.84	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082861	463514.08	3762800.92	251.89	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082862	463517.72	3762801.26	251.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082863	463521.36	3762801.60	251.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082864	463525.00	3762801.94	252.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082865	463528.64	3762802.28	252.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082866	463532.28	3762802.63	252.14	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082867	463535.93	3762802.97	252.19	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082868	463539.57	3762803.31	252.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082869	463543.21	3762803.65	252.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082870	463546.85	3762803.99	252.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082871	463550.49	3762804.33	252.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082872	463554.13	3762804.68	252.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082873	463557.78	3762805.02	252.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082874	463561.42	3762805.36	252.46	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082875	463565.06	3762805.70	252.50	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082876	463568.70	3762806.04	252.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082877	463572.34	3762806.38	252.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082878	463575.98	3762806.73	252.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082879	463579.63	3762807.07	252.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082880	463583.27	3762807.41	252.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082881	463586.91	3762807.75	252.77	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082882	463590.55	3762808.09	252.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082883	463594.19	3762808.43	252.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082884	463597.83	3762808.78	252.92	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082885	463601.47	3762809.12	252.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082886	463605.12	3762809.46	253.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082887	463608.76	3762809.80	253.09	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082888	463612.40	3762810.14	253.14	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082889	463616.04	3762810.48	253.20	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082890	463619.68	3762810.83	253.25	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082891	463623.32	3762811.17	253.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082892	463626.97	3762811.51	253.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082893	463630.61	3762811.85	253.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082894	463634.25	3762812.19	253.47	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082895	463637.89	3762812.53	253.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082896	463641.53	3762812.88	253.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082897	463645.17	3762813.22	253.62	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082898	463648.82	3762813.56	253.66	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082899	463652.46	3762813.90	253.70	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082900	463656.10	3762814.24	253.74	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082901	463659.74	3762814.58	253.78	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082902	463663.38	3762814.93	253.82	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082903	463667.02	3762815.27	253.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082904	463670.67	3762815.61	253.91	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082905	463674.31	3762815.95	253.96	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082906	463677.95	3762816.29	254.00	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082907	463681.59	3762816.63	254.05	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082908	463685.23	3762816.98	254.09	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082909	463688.87	3762817.32	254.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082910	463692.51	3762817.66	254.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082911	463696.16	3762818.00	254.21	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082912	463699.80	3762818.34	254.25	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082913	463703.44	3762818.68	254.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082914	463707.08	3762819.03	254.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082915	463710.72	3762819.37	254.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082916	463714.36	3762819.71	254.38	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082917	463718.01	3762820.05	254.41	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082918	463721.65	3762820.39	254.44	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082919	463725.29	3762820.73	254.47	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082920	463728.93	3762821.08	254.50	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082921	463732.57	3762821.42	254.53	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082922	463736.21	3762821.76	254.56	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082923	463739.86	3762822.10	254.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082924	463743.50	3762822.44	254.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082925	463747.14	3762822.78	254.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082926	463750.78	3762823.13	254.65	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082927	463754.42	3762823.47	254.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082928	463758.06	3762823.81	254.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082929	463761.71	3762824.15	254.71	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082930	463765.35	3762824.49	254.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082931	463768.99	3762824.83	254.72	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082932	463772.63	3762825.18	254.62	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082933	463776.27	3762825.52	254.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082934	463779.91	3762825.86	254.41	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082935	463783.56	3762826.20	254.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082936	463787.20	3762826.54	254.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082937	463790.84	3762826.88	253.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082938	463794.48	3762827.23	253.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082939	463798.12	3762827.57	253.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082940	463801.76	3762827.91	253.20	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082941	463805.40	3762828.25	252.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082942	463809.05	3762828.59	252.56	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082943	463812.69	3762828.93	252.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082944	463816.33	3762829.28	251.90	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082945	463819.97	3762829.62	251.57	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082946	463823.61	3762829.96	251.25	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082947	463827.25	3762830.30	250.93	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082948	463830.90	3762830.64	250.60	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082949	463834.54	3762830.98	250.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082950	463838.18	3762831.33	249.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082951	463841.82	3762831.67	249.60	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082952	463845.46	3762832.01	249.26	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082953	463849.10	3762832.35	249.04	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082954	463852.75	3762832.69	248.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082955	463856.39	3762833.03	248.59	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082956	463860.03	3762833.38	248.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082957	463863.67	3762833.72	248.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082958	463867.31	3762834.06	247.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082959	463870.95	3762834.40	247.73	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082960	463874.60	3762834.74	247.70	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082961	463878.24	3762835.08	247.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082962	463881.88	3762835.43	247.68	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082963	463885.52	3762835.77	247.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082964	463889.16	3762835.93	247.65	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082965	463892.82	3762835.71	247.62	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082966	463896.47	3762835.50	247.58	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082967	463900.12	3762835.28	247.55	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082968	463903.77	3762835.07	247.52	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082969	463907.42	3762834.85	247.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082970	463911.07	3762834.63	247.45	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082971	463914.72	3762834.42	247.41	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082972	463918.37	3762834.20	247.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082973	463922.03	3762833.98	247.34	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082974	463925.68	3762833.77	247.28	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082975	463929.33	3762833.55	247.23	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082976	463932.98	3762833.33	247.17	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082977	463936.63	3762833.12	247.11	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082978	463940.28	3762832.90	247.05	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082979	463943.93	3762832.69	246.99	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082980	463947.58	3762832.47	246.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082981	463951.24	3762832.25	246.88	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082982	463954.89	3762832.04	246.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082983	463958.54	3762831.82	246.75	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082984	463962.19	3762831.60	246.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082985	463965.84	3762831.39	246.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082986	463969.49	3762831.17	246.57	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082987	463973.14	3762830.95	246.51	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082988	463976.79	3762830.74	246.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082989	463980.44	3762830.52	246.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082990	463984.10	3762830.31	246.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082991	463987.75	3762830.09	246.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0082992	463991.40	3762829.87	246.10	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082993	463995.05	3762829.66	246.02	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082994	463998.70	3762829.44	245.93	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082995	464002.35	3762829.22	245.87	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082996	464006.00	3762829.01	245.80	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082997	464009.65	3762828.79	245.74	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082998	464013.31	3762828.57	245.68	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0082999	464016.96	3762828.36	245.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083000	464020.61	3762828.14	245.55	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083001	464024.26	3762827.93	245.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083002	464027.91	3762827.71	245.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083003	464031.56	3762827.49	245.39	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083004	464035.21	3762827.28	245.35	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083005	464038.86	3762827.06	245.31	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083006	464042.52	3762826.84	245.27	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083007	464046.17	3762826.63	245.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083008	464049.82	3762826.41	245.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083009	464053.47	3762826.19	245.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083010	464057.12	3762825.98	245.13	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083011	464060.77	3762825.76	245.11	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083012	464064.42	3762825.55	245.09	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083013	464068.07	3762825.33	245.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083014	464071.72	3762825.11	245.05	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083015	464075.38	3762824.90	245.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083016	464079.03	3762824.68	245.04	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0083017	464082.68	3762824.46	245.07	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083018	464086.33	3762824.25	245.11	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083019	464089.98	3762824.03	245.14	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083020	464093.63	3762823.81	245.18	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083021	464097.28	3762823.60	245.21	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083022	464100.93	3762823.38	245.24	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083023	464104.59	3762823.17	245.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083024	464108.24	3762822.95	245.37	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083025	464111.89	3762822.73	245.43	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083026	464115.54	3762822.52	245.49	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083027	464119.19	3762822.30	245.55	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083028	464122.84	3762822.08	245.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083029	464126.49	3762821.87	245.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083030	464130.14	3762821.65	245.73	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083031	464133.79	3762821.43	245.80	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083032	464137.45	3762821.22	245.86	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083033	464141.10	3762821.00	245.92	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083034	464144.75	3762820.79	245.98	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083035	464148.40	3762820.57	246.03	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083036	464152.05	3762820.35	246.09	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083037	464155.70	3762820.14	246.15	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083038	464159.35	3762819.92	246.22	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083039	464163.00	3762819.70	246.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083040	464166.66	3762819.49	246.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083041	464170.31	3762819.27	246.42	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0083042	464173.96	3762819.05	246.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083043	464177.61	3762818.84	246.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083044	464181.26	3762818.62	246.59	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083045	464184.91	3762818.41	246.63	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083046	464188.56	3762818.19	246.67	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083047	464192.21	3762817.97	246.71	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083048	464195.87	3762817.76	246.74	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083049	464199.52	3762817.54	246.78	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083050	464203.17	3762817.32	246.81	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083051	464206.82	3762817.11	246.79	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083052	464210.47	3762816.89	246.74	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083053	464214.12	3762816.67	246.69	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083054	464217.77	3762816.46	246.64	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083055	464221.42	3762816.24	246.59	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083056	464225.07	3762816.03	246.54	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083057	464228.73	3762815.81	246.48	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083058	464232.38	3762815.59	246.32	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083059	464236.03	3762815.38	246.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083060	464239.68	3762815.16	245.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083061	464243.33	3762814.94	245.62	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083062	464246.98	3762814.73	245.39	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083063	464250.63	3762814.51	245.17	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083064	464254.28	3762814.29	244.94	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083065	464257.94	3762814.08	245.01	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083066	464261.59	3762813.86	245.29	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
US60	L0083067	464265.24	3762813.65	245.56	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083068	464268.89	3762813.43	245.83	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083069	464272.54	3762813.21	246.10	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083070	464276.19	3762813.00	246.36	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083071	464279.84	3762812.78	246.61	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083072	464283.49	3762812.56	246.85	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083073	464287.15	3762812.35	247.08	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70
	L0083074	464290.80	3762812.13	247.30	0.00	1.44E-6	3.66	Surface-Based	1.70	1.70

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE3	L0084711	462107.82	3764726.29	336.27	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084712	462105.15	3764728.80	335.87	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084713	462102.49	3764731.30	335.46	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084714	462099.83	3764733.81	335.05	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084715	462097.16	3764736.32	334.63	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084716	462094.50	3764738.82	334.21	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084717	462091.84	3764741.33	333.78	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084718	462089.17	3764743.84	333.69	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084719	462086.51	3764746.35	333.77	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084720	462083.85	3764748.85	333.86	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084721	462081.18	3764751.36	334.13	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084722	462078.52	3764753.87	334.47	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084723	462075.86	3764756.37	334.85	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084724	462073.19	3764758.88	335.25	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084725	462070.53	3764761.39	335.69	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE3	L0084726	462067.87	3764763.89	336.16	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084727	462065.20	3764766.40	336.66	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084728	462062.54	3764768.91	337.18	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084729	462059.88	3764771.41	337.74	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084730	462057.21	3764773.92	338.26	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084731	462054.55	3764776.43	338.56	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084732	462051.89	3764778.93	338.83	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084733	462049.22	3764781.44	339.08	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084734	462046.56	3764783.95	339.31	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084735	462043.90	3764786.46	339.52	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084736	462041.23	3764788.96	339.71	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084737	462038.54	3764791.43	339.88	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084738	462035.63	3764793.66	339.96	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084739	462032.73	3764795.88	340.03	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084740	462029.82	3764798.10	339.97	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084741	462026.92	3764800.32	339.87	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084742	462024.01	3764802.54	339.75	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084743	462021.10	3764804.76	339.60	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084744	462018.20	3764806.98	339.40	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70
	L0084745	462015.29	3764809.20	339.19	3.11	1.42E-7	3.66	Surface-Based	1.70	1.70

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE4	L0084746	462084.72	3765218.68	356.82	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084747	462087.55	3765216.36	357.30	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084748	462090.38	3765214.05	357.80	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE4	L0084749	462093.21	3765211.73	358.31	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084750	462096.04	3765209.42	358.83	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084751	462098.87	3765207.10	359.36	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084752	462101.70	3765204.78	359.90	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084753	462104.53	3765202.47	360.33	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084754	462107.36	3765200.15	360.69	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084755	462110.19	3765197.84	361.05	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084756	462113.03	3765195.52	361.43	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084757	462115.86	3765193.20	361.82	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084758	462118.69	3765190.89	362.20	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084759	462121.52	3765188.57	362.59	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084760	462124.35	3765186.26	362.97	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084761	462127.18	3765183.94	363.36	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084762	462130.01	3765181.62	363.75	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084763	462132.84	3765179.31	364.14	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084764	462135.67	3765176.99	364.53	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084765	462138.50	3765174.67	364.81	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084766	462141.33	3765172.36	365.00	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084767	462144.16	3765170.04	365.07	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084768	462147.00	3765167.73	365.13	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084769	462149.83	3765165.41	365.20	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084770	462152.66	3765163.09	365.27	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084771	462155.49	3765160.78	365.34	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084772	462158.32	3765158.46	365.41	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70
	L0084773	462161.15	3765156.15	365.48	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE4	L0084774	462163.98	3765153.83	365.42	3.11	1.71E-7	3.66	Surface-Based	1.70	1.70

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE5	L0084775	462304.04	3765471.54	375.56	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084776	462305.35	3765468.12	374.97	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084777	462306.66	3765464.71	374.38	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084778	462307.96	3765461.29	373.79	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084779	462309.27	3765457.88	373.21	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084780	462310.58	3765454.46	372.63	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084781	462311.88	3765451.04	372.05	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084782	462313.19	3765447.63	371.48	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084783	462314.49	3765444.21	370.92	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084784	462315.80	3765440.79	370.36	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084785	462317.11	3765437.38	369.84	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084786	462318.41	3765433.96	369.44	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084787	462319.72	3765430.54	369.07	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084788	462321.02	3765427.13	368.74	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084789	462322.33	3765423.71	368.45	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084790	462323.64	3765420.29	368.20	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084791	462324.94	3765416.88	368.00	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084792	462326.25	3765413.46	367.82	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084793	462327.56	3765410.05	367.64	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084794	462328.86	3765406.63	367.46	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084795	462330.17	3765403.21	367.29	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084796	462331.47	3765399.80	367.12	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE5	L0084797	462332.78	3765396.38	366.94	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084798	462334.09	3765392.96	366.77	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70
	L0084799	462335.39	3765389.55	366.60	3.11	1.98E-7	3.66	Surface-Based	1.70	1.70

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE6	L0084800	462597.82	3765401.78	392.20	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084801	462595.26	3765399.17	391.74	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084802	462592.71	3765396.55	391.29	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084803	462590.15	3765393.93	390.86	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084804	462587.59	3765391.32	390.45	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084805	462585.04	3765388.70	390.05	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084806	462582.48	3765386.09	389.66	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084807	462579.93	3765383.47	389.26	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084808	462577.37	3765380.85	388.85	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084809	462574.81	3765378.24	388.45	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084810	462572.26	3765375.62	388.04	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084811	462569.70	3765373.00	387.61	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084812	462567.15	3765370.39	387.19	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084813	462564.59	3765367.77	386.78	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084814	462562.03	3765365.16	386.36	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084815	462559.48	3765362.54	385.96	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084816	462556.92	3765359.92	385.56	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084817	462554.37	3765357.31	385.16	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084818	462551.81	3765354.69	384.82	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084819	462549.25	3765352.07	384.53	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE6	L0084820	462546.70	3765349.46	384.25	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084821	462544.14	3765346.84	384.01	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084822	462541.59	3765344.23	383.78	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084823	462539.03	3765341.61	383.56	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084824	462536.47	3765338.99	383.35	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084825	462533.92	3765336.38	383.15	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084826	462531.36	3765333.76	382.95	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084827	462528.80	3765331.15	382.77	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084828	462526.25	3765328.53	382.60	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084829	462523.69	3765325.91	382.44	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084830	462521.14	3765323.30	382.47	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084831	462518.58	3765320.68	382.58	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70
	L0084832	462516.02	3765318.06	382.72	3.11	1.50E-7	3.66	Surface-Based	1.70	1.70

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE7	L0084833	462107.82	3764726.29	336.27	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084834	462105.15	3764728.80	335.87	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084835	462102.49	3764731.30	335.46	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084836	462099.83	3764733.81	335.05	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084837	462097.16	3764736.32	334.63	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084838	462094.50	3764738.82	334.21	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084839	462091.84	3764741.33	333.78	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084840	462089.17	3764743.84	333.69	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084841	462086.51	3764746.35	333.77	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084842	462083.85	3764748.85	333.86	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE7	L0084843	462081.18	3764751.36	334.13	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084844	462078.52	3764753.87	334.47	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084845	462075.86	3764756.37	334.85	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084846	462073.19	3764758.88	335.25	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084847	462070.53	3764761.39	335.69	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084848	462067.87	3764763.89	336.16	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084849	462065.20	3764766.40	336.66	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084850	462062.54	3764768.91	337.18	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084851	462059.88	3764771.41	337.74	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084852	462057.21	3764773.92	338.26	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084853	462054.55	3764776.43	338.56	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084854	462051.89	3764778.93	338.83	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084855	462049.22	3764781.44	339.08	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084856	462046.56	3764783.95	339.31	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084857	462043.90	3764786.46	339.52	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084858	462041.23	3764788.96	339.71	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084859	462038.54	3764791.43	339.88	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084860	462035.63	3764793.66	339.96	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084861	462032.73	3764795.88	340.03	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084862	462029.82	3764798.10	339.97	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084863	462026.92	3764800.32	339.87	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084864	462024.01	3764802.54	339.75	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084865	462021.10	3764804.76	339.60	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084866	462018.20	3764806.98	339.40	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70
	L0084867	462015.29	3764809.20	339.19	0.00	5.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

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ONSITE8	L0084868	462084.72	3765218.68	356.82	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084869	462087.55	3765216.36	357.30	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084870	462090.38	3765214.05	357.80	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084871	462093.21	3765211.73	358.31	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084872	462096.04	3765209.42	358.83	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084873	462098.87	3765207.10	359.36	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084874	462101.70	3765204.78	359.90	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084875	462104.53	3765202.47	360.33	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084876	462107.36	3765200.15	360.69	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084877	462110.19	3765197.84	361.05	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084878	462113.03	3765195.52	361.43	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084879	462115.86	3765193.20	361.82	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084880	462118.69	3765190.89	362.20	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084881	462121.52	3765188.57	362.59	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084882	462124.35	3765186.26	362.97	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084883	462127.18	3765183.94	363.36	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084884	462130.01	3765181.62	363.75	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084885	462132.84	3765179.31	364.14	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084886	462135.67	3765176.99	364.53	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084887	462138.50	3765174.67	364.81	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084888	462141.33	3765172.36	365.00	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084889	462144.16	3765170.04	365.07	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084890	462147.00	3765167.73	365.13	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084891	462149.83	3765165.41	365.20	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084892	462152.66	3765163.09	365.27	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE8	L0084893	462155.49	3765160.78	365.34	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084894	462158.32	3765158.46	365.41	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084895	462161.15	3765156.15	365.48	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70
	L0084896	462163.98	3765153.83	365.42	0.00	6.62E-9	3.66	Surface-Based	1.70	1.70

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE9	L0084897	462304.04	3765471.54	375.56	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084898	462305.35	3765468.12	374.97	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084899	462306.66	3765464.71	374.38	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084900	462307.96	3765461.29	373.79	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084901	462309.27	3765457.88	373.21	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084902	462310.58	3765454.46	372.63	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084903	462311.88	3765451.04	372.05	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084904	462313.19	3765447.63	371.48	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084905	462314.49	3765444.21	370.92	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084906	462315.80	3765440.79	370.36	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084907	462317.11	3765437.38	369.84	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084908	462318.41	3765433.96	369.44	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084909	462319.72	3765430.54	369.07	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084910	462321.02	3765427.13	368.74	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084911	462322.33	3765423.71	368.45	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084912	462323.64	3765420.29	368.20	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084913	462324.94	3765416.88	368.00	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084914	462326.25	3765413.46	367.82	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084915	462327.56	3765410.05	367.64	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE9	L0084916	462328.86	3765406.63	367.46	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084917	462330.17	3765403.21	367.29	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084918	462331.47	3765399.80	367.12	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084919	462332.78	3765396.38	366.94	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084920	462334.09	3765392.96	366.77	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70
	L0084921	462335.39	3765389.55	366.60	0.00	7.68E-9	3.66	Surface-Based	1.70	1.70

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE10	L0084922	462597.82	3765401.78	392.20	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084923	462595.26	3765399.17	391.74	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084924	462592.71	3765396.55	391.29	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084925	462590.15	3765393.93	390.86	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084926	462587.59	3765391.32	390.45	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084927	462585.04	3765388.70	390.05	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084928	462582.48	3765386.09	389.66	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084929	462579.93	3765383.47	389.26	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084930	462577.37	3765380.85	388.85	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084931	462574.81	3765378.24	388.45	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084932	462572.26	3765375.62	388.04	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084933	462569.70	3765373.00	387.61	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084934	462567.15	3765370.39	387.19	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084935	462564.59	3765367.77	386.78	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084936	462562.03	3765365.16	386.36	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084937	462559.48	3765362.54	385.96	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084938	462556.92	3765359.92	385.56	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE10	L0084939	462554.37	3765357.31	385.16	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084940	462551.81	3765354.69	384.82	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084941	462549.25	3765352.07	384.53	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084942	462546.70	3765349.46	384.25	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084943	462544.14	3765346.84	384.01	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084944	462541.59	3765344.23	383.78	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084945	462539.03	3765341.61	383.56	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084946	462536.47	3765338.99	383.35	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084947	462533.92	3765336.38	383.15	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084948	462531.36	3765333.76	382.95	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084949	462528.80	3765331.15	382.77	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084950	462526.25	3765328.53	382.60	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084951	462523.69	3765325.91	382.44	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084952	462521.14	3765323.30	382.47	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084953	462518.58	3765320.68	382.58	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70
	L0084954	462516.02	3765318.06	382.72	0.00	5.82E-9	3.66	Surface-Based	1.70	1.70

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE2	L0084955	461359.84	3764312.22	291.35	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084956	461362.90	3764314.21	291.48	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084957	461365.97	3764316.20	291.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084958	461369.04	3764318.19	291.73	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084959	461372.11	3764320.18	291.86	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084960	461375.18	3764322.17	291.99	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084961	461378.25	3764324.16	292.12	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE2	L0084962	461381.32	3764326.15	292.25	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084963	461384.39	3764328.14	292.38	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084964	461387.46	3764330.13	292.52	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084965	461390.53	3764332.12	292.66	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084966	461393.59	3764334.11	292.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084967	461396.66	3764336.10	292.98	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084968	461399.73	3764338.09	293.14	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084969	461402.80	3764340.08	293.30	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084970	461405.87	3764342.07	293.46	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084971	461408.94	3764344.06	293.62	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084972	461412.01	3764346.05	293.77	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084973	461415.08	3764348.04	293.92	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084974	461418.15	3764350.03	294.02	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084975	461421.21	3764352.02	294.13	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084976	461424.28	3764354.01	294.24	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084977	461427.35	3764355.99	294.34	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084978	461430.42	3764357.98	294.44	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084979	461433.49	3764359.97	294.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084980	461436.56	3764361.96	294.63	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084981	461439.63	3764363.95	294.73	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084982	461442.70	3764365.94	294.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084983	461445.77	3764367.93	294.91	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084984	461448.84	3764369.92	295.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084985	461451.90	3764371.91	295.08	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084986	461454.97	3764373.90	295.16	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE2	L0084987	461458.04	3764375.89	295.24	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084988	461461.11	3764377.88	295.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084989	461464.18	3764379.87	295.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084990	461467.25	3764381.86	295.51	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084991	461470.32	3764383.85	295.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084992	461473.39	3764385.84	295.71	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084993	461476.46	3764387.83	295.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084994	461479.52	3764389.82	295.92	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084995	461482.59	3764391.81	296.04	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084996	461485.66	3764393.80	296.15	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084997	461488.73	3764395.79	296.26	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084998	461491.80	3764397.78	296.38	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0084999	461494.87	3764399.77	296.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085000	461497.94	3764401.76	296.71	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085001	461501.01	3764403.75	296.88	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085002	461504.08	3764405.74	297.06	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085003	461507.15	3764407.73	297.23	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085004	461510.21	3764409.72	297.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085005	461513.28	3764411.71	297.58	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085006	461516.35	3764413.70	297.76	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085007	461519.42	3764415.69	298.04	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085008	461522.49	3764417.68	298.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085009	461525.56	3764419.67	298.72	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085010	461528.63	3764421.66	299.04	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085011	461531.70	3764423.65	299.35	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE2	L0085012	461534.77	3764425.64	299.65	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085013	461537.83	3764427.63	299.93	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085014	461540.90	3764429.62	300.20	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085015	461543.97	3764431.61	300.46	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085016	461547.04	3764433.60	300.72	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085017	461550.11	3764435.59	300.96	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085018	461553.18	3764437.58	301.18	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085019	461556.25	3764439.57	301.40	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085020	461559.32	3764441.56	301.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085021	461562.39	3764443.55	301.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085022	461565.46	3764445.54	302.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085023	461568.52	3764447.53	302.18	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085024	461571.59	3764449.52	302.46	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085025	461574.66	3764451.51	302.75	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085026	461577.73	3764453.50	303.03	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085027	461580.80	3764455.49	303.30	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085028	461583.87	3764457.48	303.57	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085029	461586.94	3764459.47	303.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085030	461590.01	3764461.46	304.07	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085031	461593.08	3764463.45	304.31	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085032	461596.14	3764465.44	304.65	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085033	461599.21	3764467.43	305.12	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085034	461602.28	3764469.42	305.60	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085035	461605.35	3764471.41	306.05	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085036	461608.42	3764473.40	306.48	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE2	L0085037	461611.49	3764475.39	306.87	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085038	461614.56	3764477.38	307.23	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085039	461617.63	3764479.37	307.57	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085040	461620.70	3764481.36	307.88	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085041	461623.77	3764483.35	308.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085042	461626.83	3764485.34	308.72	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085043	461629.90	3764487.33	309.09	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085044	461632.97	3764489.32	309.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085045	461636.04	3764491.31	309.70	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085046	461639.11	3764493.30	309.95	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085047	461642.18	3764495.29	310.17	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085048	461645.25	3764497.28	310.35	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085049	461648.32	3764499.27	310.88	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085050	461651.39	3764501.26	311.52	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085051	461654.45	3764503.25	312.16	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085052	461657.52	3764505.24	312.79	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085053	461660.59	3764507.23	313.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085054	461663.66	3764509.22	314.03	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085055	461666.73	3764511.21	314.65	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085056	461669.80	3764513.20	315.26	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085057	461672.87	3764515.18	315.89	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085058	461675.94	3764517.17	316.55	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085059	461679.01	3764519.16	317.18	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085060	461682.08	3764521.15	317.77	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085061	461685.14	3764523.14	318.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085062	461688.21	3764525.13	318.83	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085063	461691.28	3764527.12	319.30	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085064	461694.35	3764529.11	319.70	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085065	461697.42	3764531.10	320.02	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085066	461700.49	3764533.09	320.02	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085067	461703.56	3764535.08	319.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085068	461706.63	3764537.07	319.87	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085069	461709.70	3764539.06	319.74	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085070	461712.76	3764541.05	319.56	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085071	461715.83	3764543.04	319.35	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085072	461718.90	3764545.03	319.10	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085073	461721.97	3764547.02	318.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085074	461725.04	3764549.01	318.44	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085075	461728.11	3764551.00	318.04	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085076	461731.18	3764552.99	317.63	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085077	461734.25	3764554.98	317.21	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085078	461737.32	3764556.97	316.79	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085079	461740.39	3764558.96	316.40	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085080	461743.45	3764560.95	316.37	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085081	461746.52	3764562.94	316.36	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085082	461749.59	3764564.93	316.36	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085083	461752.66	3764566.92	316.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085084	461755.73	3764568.91	316.50	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085085	461758.80	3764570.90	316.56	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085086	461761.87	3764572.89	316.63	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE2	L0085087	461764.94	3764574.88	316.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085088	461768.01	3764576.87	316.75	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085089	461771.07	3764578.86	316.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085090	461774.14	3764580.85	316.87	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085091	461777.21	3764582.84	316.91	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085092	461780.28	3764584.83	316.96	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085093	461783.35	3764586.82	317.02	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085094	461786.42	3764588.81	317.09	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085095	461789.49	3764590.80	317.26	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085096	461792.56	3764592.79	317.47	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085097	461795.63	3764594.78	317.67	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085098	461798.70	3764596.77	317.88	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085099	461801.76	3764598.76	318.15	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085100	461804.83	3764600.75	318.50	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085101	461807.90	3764602.74	318.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085102	461810.97	3764604.73	319.14	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085103	461814.04	3764606.72	319.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085104	461817.11	3764608.71	319.71	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085105	461820.18	3764610.70	319.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085106	461823.25	3764612.69	320.21	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085107	461826.32	3764614.68	320.44	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085108	461829.38	3764616.67	320.70	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085109	461832.45	3764618.66	320.91	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085110	461835.52	3764620.65	321.11	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085111	461838.59	3764622.64	321.31	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085112	461841.66	3764624.63	321.50	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085113	461844.73	3764626.62	321.67	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085114	461847.80	3764628.61	321.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085115	461850.87	3764630.60	321.96	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085116	461853.94	3764632.59	322.01	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085117	461857.01	3764634.58	322.04	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085118	461860.07	3764636.57	322.06	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085119	461863.14	3764638.56	322.08	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085120	461866.21	3764640.55	322.11	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085121	461869.28	3764642.54	322.13	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085122	461872.35	3764644.53	322.16	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085123	461875.42	3764646.52	322.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085124	461878.49	3764648.51	322.24	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085125	461881.56	3764650.50	322.35	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085126	461884.63	3764652.49	322.50	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085127	461887.69	3764654.48	322.65	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085128	461890.76	3764656.47	322.79	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085129	461893.83	3764658.46	322.94	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085130	461896.90	3764660.45	323.08	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085131	461899.97	3764662.44	323.21	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085132	461903.04	3764664.43	323.34	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085133	461906.11	3764666.42	323.50	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085134	461909.18	3764668.41	323.66	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085135	461912.25	3764670.40	323.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085136	461915.32	3764672.39	323.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085137	461918.38	3764674.38	324.11	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085138	461921.45	3764676.36	324.25	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085139	461924.52	3764678.35	324.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085140	461927.59	3764680.34	324.52	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085141	461930.66	3764682.33	324.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085142	461933.73	3764684.32	324.89	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085143	461936.80	3764686.31	325.10	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085144	461939.87	3764688.30	325.30	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085145	461942.94	3764690.29	325.50	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085146	461946.00	3764692.28	325.70	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085147	461949.07	3764694.27	325.90	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085148	461952.14	3764696.26	326.10	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085149	461955.21	3764698.25	326.29	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085150	461958.28	3764700.24	326.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085151	461961.35	3764702.23	326.57	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085152	461964.42	3764704.22	326.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085153	461967.49	3764706.21	326.79	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085154	461970.56	3764708.20	326.89	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085155	461973.63	3764710.19	326.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085156	461976.69	3764712.18	327.06	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085157	461979.76	3764714.17	327.24	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085158	461982.83	3764716.16	327.36	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085159	461985.90	3764718.15	327.47	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085160	461988.97	3764720.14	327.60	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085161	461992.04	3764722.13	327.75	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085162	461995.11	3764724.12	327.92	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085163	461998.18	3764726.11	328.11	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085164	462001.25	3764728.10	328.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085165	462004.31	3764730.09	328.55	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085166	462007.38	3764732.08	328.80	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085167	462010.45	3764734.07	329.05	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085168	462013.52	3764736.06	329.31	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085169	462016.59	3764738.05	329.56	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085170	462019.66	3764740.04	329.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085171	462022.73	3764742.03	330.05	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085172	462025.80	3764744.02	330.57	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085173	462028.87	3764746.01	331.18	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085174	462031.94	3764748.00	331.79	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085175	462035.00	3764749.99	332.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085176	462038.07	3764751.98	332.86	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085177	462041.14	3764753.97	333.40	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085178	462044.21	3764755.96	333.94	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085179	462047.28	3764757.95	334.49	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085180	462050.35	3764759.94	335.04	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085181	462053.42	3764761.93	335.60	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085182	462056.49	3764763.92	336.16	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085183	462059.56	3764765.91	336.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085184	462062.62	3764767.90	336.98	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085185	462065.69	3764769.89	337.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085186	462068.76	3764771.88	337.63	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085187	462071.83	3764773.87	337.93	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085188	462074.90	3764775.86	338.23	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085189	462077.97	3764777.85	338.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085190	462079.71	3764780.73	339.06	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085191	462080.37	3764784.32	339.74	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085192	462081.02	3764787.92	340.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085193	462081.68	3764791.52	341.12	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085194	462082.34	3764795.12	341.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085195	462083.00	3764798.72	342.51	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085196	462083.66	3764802.31	343.21	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085197	462084.32	3764805.91	343.88	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085198	462084.98	3764809.51	344.51	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085199	462085.63	3764813.11	345.15	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085200	462086.29	3764816.70	345.77	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085201	462086.95	3764820.30	346.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085202	462087.61	3764823.90	347.01	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085203	462088.27	3764827.50	347.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085204	462088.93	3764831.10	348.22	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085205	462089.59	3764834.69	348.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085206	462090.24	3764838.29	349.31	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085207	462090.90	3764841.89	349.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085208	462091.56	3764845.49	350.34	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085209	462092.22	3764849.09	350.87	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085210	462092.88	3764852.68	351.40	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085211	462093.54	3764856.28	351.95	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085212	462094.19	3764859.88	352.50	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085213	462094.85	3764863.48	353.06	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085214	462095.51	3764867.07	353.51	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085215	462096.17	3764870.67	353.84	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085216	462096.83	3764874.27	354.18	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085217	462097.49	3764877.87	354.53	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085218	462098.15	3764881.47	354.89	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085219	462098.80	3764885.06	355.26	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085220	462099.46	3764888.66	355.65	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085221	462100.12	3764892.26	356.05	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085222	462100.78	3764895.86	356.46	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085223	462101.44	3764899.45	356.51	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085224	462102.10	3764903.05	356.53	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085225	462102.76	3764906.65	356.57	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085226	462103.41	3764910.25	356.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085227	462104.07	3764913.85	356.65	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085228	462104.73	3764917.44	356.71	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085229	462105.39	3764921.04	356.77	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085230	462106.05	3764924.64	356.84	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085231	462106.71	3764928.24	356.73	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085232	462107.36	3764931.84	356.33	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085233	462108.02	3764935.43	355.92	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085234	462108.68	3764939.03	355.52	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085235	462109.34	3764942.63	355.11	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085236	462110.00	3764946.23	354.70	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085237	462110.66	3764949.82	354.28	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085238	462111.32	3764953.42	353.86	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085239	462111.97	3764957.02	353.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085240	462112.63	3764960.62	352.83	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085241	462113.29	3764964.22	352.18	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085242	462113.95	3764967.81	351.53	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085243	462114.61	3764971.41	350.87	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085244	462115.27	3764975.01	350.21	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085245	462115.93	3764978.61	349.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085246	462116.58	3764982.20	348.86	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085247	462117.24	3764985.80	348.18	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085248	462117.90	3764989.40	347.59	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085249	462118.56	3764993.00	347.28	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085250	462119.22	3764996.60	346.98	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085251	462119.88	3765000.19	346.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085252	462120.54	3765003.79	346.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085253	462121.19	3765007.39	346.14	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085254	462121.85	3765010.99	345.88	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085255	462122.51	3765014.59	345.64	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085256	462123.17	3765018.18	345.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085257	462123.83	3765021.78	345.58	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085258	462124.49	3765025.38	345.91	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085259	462125.14	3765028.98	346.23	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085260	462125.80	3765032.57	346.53	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085261	462126.46	3765036.17	346.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085262	462127.12	3765039.77	347.10	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085263	462127.78	3765043.37	347.37	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085264	462128.44	3765046.97	347.62	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085265	462129.10	3765050.56	347.91	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085266	462129.75	3765054.16	348.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085267	462130.41	3765057.76	348.95	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085268	462131.07	3765061.36	349.48	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085269	462131.73	3765064.96	350.01	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085270	462132.39	3765068.55	350.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085271	462133.05	3765072.15	351.07	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085272	462133.71	3765075.75	351.60	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085273	462134.36	3765079.35	352.14	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085274	462135.02	3765082.94	352.74	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085275	462135.68	3765086.54	353.40	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085276	462136.34	3765090.14	354.06	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085277	462137.00	3765093.74	354.71	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085278	462137.66	3765097.34	355.37	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085279	462138.32	3765100.93	356.03	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085280	462138.97	3765104.53	356.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085281	462139.63	3765108.13	357.34	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085282	462140.29	3765111.73	358.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085283	462140.95	3765115.32	358.53	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085284	462141.61	3765118.92	359.07	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085285	462142.27	3765122.52	359.62	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085286	462142.92	3765126.12	360.16	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085287	462143.58	3765129.72	360.71	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085288	462144.24	3765133.31	361.26	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085289	462144.90	3765136.91	361.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085290	462145.56	3765140.51	362.37	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085291	462146.22	3765144.11	362.85	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085292	462146.88	3765147.71	363.25	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085293	462147.53	3765151.30	363.65	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085294	462148.19	3765154.90	364.06	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085295	462148.85	3765158.50	364.46	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085296	462149.51	3765162.10	364.86	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085297	462150.17	3765165.69	365.26	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085298	462150.83	3765169.29	365.67	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085299	462151.49	3765172.89	366.07	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085300	462152.14	3765176.49	366.16	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085301	462152.80	3765180.09	366.23	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085302	462153.46	3765183.68	366.30	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085303	462154.12	3765187.28	366.36	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085304	462154.78	3765190.88	366.42	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085305	462155.44	3765194.48	366.48	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085306	462156.09	3765198.07	366.53	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085307	462156.75	3765201.67	366.58	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085308	462157.41	3765205.27	366.53	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085309	462158.07	3765208.87	366.30	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085310	462158.73	3765212.47	366.08	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085311	462159.39	3765216.06	365.86	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085312	462160.05	3765219.66	365.65	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085313	462160.70	3765223.26	365.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085314	462161.36	3765226.86	365.22	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085315	462162.02	3765230.46	365.02	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085316	462162.68	3765234.05	364.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085317	462163.34	3765237.65	364.76	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085318	462164.00	3765241.25	364.75	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085319	462164.66	3765244.85	364.75	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085320	462165.31	3765248.44	364.74	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085321	462165.97	3765252.04	364.74	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085322	462166.63	3765255.64	364.74	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085323	462167.29	3765259.24	364.74	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085324	462167.95	3765262.84	364.74	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085325	462168.61	3765266.43	364.72	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085326	462169.27	3765270.03	364.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085327	462169.92	3765273.63	364.50	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085328	462170.58	3765277.23	364.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085329	462171.24	3765280.83	364.28	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085330	462171.90	3765284.42	364.17	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085331	462172.56	3765288.02	364.06	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085332	462173.22	3765291.62	363.96	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085333	462173.87	3765295.22	363.85	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085334	462174.53	3765298.81	363.51	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085335	462175.19	3765302.41	363.09	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085336	462175.85	3765306.01	362.67	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085337	462176.51	3765309.61	362.24	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085338	462177.17	3765313.21	361.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085339	462177.83	3765316.80	361.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085340	462178.48	3765320.40	360.99	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085341	462179.14	3765324.00	360.57	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085342	462179.80	3765327.60	360.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085343	462180.46	3765331.19	359.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085344	462181.12	3765334.79	359.73	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085345	462181.78	3765338.39	359.48	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085346	462182.44	3765341.99	359.22	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085347	462183.09	3765345.59	358.95	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085348	462183.75	3765349.18	358.67	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085349	462184.41	3765352.78	358.38	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085350	462185.35	3765356.16	358.11	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085351	462188.66	3765357.72	358.10	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085352	462191.97	3765359.27	358.49	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085353	462195.28	3765360.82	358.87	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085354	462198.60	3765362.37	359.26	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085355	462201.91	3765363.93	359.64	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085356	462205.22	3765365.48	360.02	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085357	462208.53	3765367.03	360.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085358	462211.84	3765368.58	360.76	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085359	462215.16	3765370.14	361.14	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085360	462218.47	3765371.69	361.52	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085361	462221.78	3765373.24	361.88	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085362	462225.09	3765374.79	362.23	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085363	462228.40	3765376.35	362.57	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085364	462231.71	3765377.90	362.89	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085365	462235.03	3765379.45	363.21	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085366	462238.34	3765381.00	363.51	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085367	462241.65	3765382.55	363.75	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085368	462244.96	3765384.11	363.93	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085369	462248.27	3765385.66	364.08	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085370	462251.59	3765387.21	364.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085371	462254.90	3765388.76	364.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085372	462258.21	3765390.32	364.58	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085373	462261.52	3765391.87	364.86	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085374	462264.83	3765393.42	365.15	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085375	462268.14	3765394.97	365.36	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085376	462271.46	3765396.53	365.56	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085377	462274.77	3765398.08	365.75	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085378	462278.08	3765399.63	365.95	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085379	462281.39	3765401.18	366.14	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085380	462284.70	3765402.74	366.34	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085381	462288.02	3765404.29	366.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085382	462291.33	3765405.84	366.73	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085383	462294.64	3765407.39	366.92	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085384	462297.95	3765408.95	367.08	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085385	462301.26	3765410.50	367.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085386	462304.57	3765412.05	367.27	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085387	462307.89	3765413.60	367.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085388	462311.20	3765415.16	367.33	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085389	462314.51	3765416.71	367.30	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085390	462317.82	3765418.26	367.42	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085391	462321.13	3765419.81	367.91	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085392	462324.45	3765421.36	368.38	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085393	462327.76	3765422.92	368.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085394	462331.07	3765424.47	369.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085395	462334.38	3765426.02	369.53	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085396	462337.69	3765427.57	369.83	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085397	462341.00	3765429.13	370.08	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085398	462344.32	3765430.68	370.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085399	462347.63	3765432.23	370.75	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085400	462350.94	3765433.78	371.13	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085401	462354.25	3765435.34	371.52	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085402	462357.56	3765436.89	371.92	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085403	462360.88	3765438.44	372.33	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085404	462364.19	3765439.99	372.76	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085405	462367.50	3765441.55	373.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085406	462370.81	3765443.10	373.56	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085407	462374.12	3765444.65	373.91	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085408	462377.44	3765445.80	374.25	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085409	462380.76	3765444.27	374.42	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085410	462384.08	3765442.75	374.60	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085411	462387.41	3765441.22	374.76	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE2	L0085412	462390.73	3765439.70	374.92	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085413	462394.06	3765438.17	375.07	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085414	462397.38	3765436.64	375.22	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085415	462400.70	3765435.12	375.38	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085416	462404.03	3765433.59	375.53	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085417	462407.35	3765432.07	375.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085418	462410.68	3765430.54	375.86	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085419	462414.00	3765429.02	376.02	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085420	462417.33	3765427.49	376.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085421	462420.65	3765425.96	376.37	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085422	462423.97	3765424.44	376.57	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085423	462427.30	3765422.91	376.77	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085424	462430.62	3765421.39	376.98	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085425	462433.95	3765419.86	377.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085426	462437.27	3765418.33	377.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085427	462440.59	3765416.81	377.62	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085428	462443.92	3765415.28	377.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085429	462447.24	3765413.76	378.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085430	462450.57	3765412.23	378.17	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085431	462453.89	3765410.71	378.33	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085432	462457.21	3765409.18	378.50	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085433	462460.54	3765407.65	378.66	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085434	462463.86	3765406.13	378.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085435	462467.19	3765404.60	378.98	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085436	462470.51	3765403.08	379.13	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085437	462473.84	3765401.55	379.31	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085438	462477.16	3765400.03	379.49	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085439	462480.48	3765398.50	379.68	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085440	462483.81	3765396.97	379.89	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085441	462487.13	3765395.45	380.10	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085442	462490.46	3765393.92	380.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085443	462493.78	3765392.40	380.56	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085444	462497.10	3765390.87	380.80	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085445	462500.43	3765389.34	381.06	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085446	462503.75	3765387.82	381.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085447	462507.08	3765386.29	381.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085448	462510.40	3765384.77	381.90	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085449	462513.73	3765383.24	382.18	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085450	462517.05	3765381.72	382.46	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085451	462520.37	3765380.19	382.73	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085452	462523.70	3765378.66	383.02	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085453	462527.02	3765377.14	383.31	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085454	462530.35	3765375.61	383.59	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085455	462533.67	3765374.09	383.87	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085456	462536.99	3765372.56	384.14	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085457	462540.32	3765371.03	384.40	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085458	462543.64	3765369.51	384.66	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085459	462546.97	3765367.98	384.91	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085460	462550.29	3765366.46	385.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085461	462553.61	3765364.93	385.46	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE2	L0085462	462556.94	3765363.41	385.74	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085463	462560.26	3765361.88	386.01	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085464	462563.59	3765360.35	386.27	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085465	462566.91	3765358.83	386.53	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085466	462570.24	3765357.30	386.79	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085467	462573.56	3765355.78	387.06	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085468	462576.88	3765354.25	387.34	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085469	462580.21	3765352.72	387.62	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085470	462583.53	3765351.20	387.89	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085471	462586.86	3765349.67	388.15	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085472	462590.18	3765348.15	388.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085473	462593.50	3765346.62	388.65	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085474	462596.83	3765345.10	388.88	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085475	462600.15	3765343.57	388.99	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085476	462603.48	3765342.04	388.92	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085477	462606.80	3765340.52	388.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085478	462610.13	3765338.99	388.65	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085479	462613.45	3765337.47	388.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085480	462616.77	3765335.94	388.17	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085481	462620.10	3765334.41	387.85	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085482	462623.42	3765332.89	387.49	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085483	462626.75	3765331.36	386.98	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085484	462630.07	3765329.84	386.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085485	462633.39	3765328.31	385.77	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085486	462636.72	3765326.79	385.10	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085487	462640.04	3765325.26	384.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085488	462643.37	3765323.73	383.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085489	462646.69	3765322.21	383.20	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085490	462650.01	3765320.68	382.57	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085491	462653.34	3765319.16	382.06	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085492	462656.66	3765317.63	381.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085493	462659.99	3765316.10	381.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085494	462663.31	3765314.58	380.45	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085495	462666.64	3765313.05	379.89	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085496	462669.96	3765311.53	379.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085497	462673.28	3765310.00	378.72	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085498	462676.61	3765308.48	378.13	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085499	462679.93	3765306.95	377.55	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085500	462683.26	3765305.42	376.98	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085501	462686.58	3765303.90	376.40	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085502	462689.90	3765302.37	375.83	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085503	462693.23	3765300.85	375.26	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085504	462696.55	3765299.32	374.70	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085505	462699.88	3765297.79	374.13	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085506	462703.20	3765296.27	374.08	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085507	462706.53	3765294.74	374.25	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085508	462709.85	3765293.22	374.47	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085509	462713.17	3765291.69	374.70	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085510	462716.50	3765290.17	374.91	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085511	462719.82	3765288.64	375.10	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085512	462723.15	3765287.11	375.26	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085513	462726.47	3765285.59	375.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085514	462729.79	3765284.06	375.80	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085515	462733.12	3765282.54	376.17	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085516	462736.44	3765281.01	376.52	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085517	462739.77	3765279.48	376.84	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085518	462743.08	3765277.93	377.12	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085519	462745.83	3765275.53	377.08	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085520	462748.58	3765273.12	377.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085521	462751.33	3765270.71	376.89	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085522	462754.09	3765268.30	376.34	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085523	462756.84	3765265.89	375.62	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085524	462759.59	3765263.48	374.87	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085525	462762.34	3765261.07	374.16	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085526	462765.10	3765258.67	373.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085527	462767.85	3765256.26	372.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085528	462770.60	3765253.85	371.93	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085529	462773.35	3765251.44	371.15	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085530	462776.11	3765249.03	370.35	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085531	462778.86	3765246.62	369.67	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085532	462781.61	3765244.21	369.15	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085533	462784.36	3765241.81	368.62	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085534	462787.12	3765239.40	368.09	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085535	462789.87	3765236.99	367.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085536	462792.62	3765234.58	366.99	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085537	462795.37	3765232.17	366.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085538	462798.13	3765229.76	365.95	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085539	462800.88	3765227.35	365.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085540	462803.63	3765224.95	364.84	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085541	462806.39	3765222.54	364.11	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085542	462809.14	3765220.13	363.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085543	462811.89	3765217.72	362.70	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085544	462814.64	3765215.31	362.03	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085545	462817.40	3765212.90	361.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085546	462820.15	3765210.50	360.76	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085547	462822.90	3765208.09	360.16	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085548	462825.65	3765205.68	359.58	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085549	462828.41	3765203.27	359.02	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085550	462831.16	3765200.86	358.52	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085551	462833.91	3765198.45	358.09	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085552	462836.66	3765196.04	357.67	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085553	462839.42	3765193.64	357.25	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085554	462842.17	3765191.23	356.83	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085555	462844.92	3765188.82	356.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085556	462847.67	3765186.41	355.99	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085557	462850.43	3765184.00	355.58	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085558	462853.18	3765181.59	355.17	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085559	462855.93	3765179.18	354.78	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085560	462858.69	3765176.78	354.40	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085561	462861.44	3765174.37	354.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085562	462864.19	3765171.96	353.58	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085563	462866.94	3765169.55	353.16	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085564	462869.70	3765167.14	352.79	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085565	462872.45	3765164.73	352.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085566	462875.20	3765162.32	352.05	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085567	462877.95	3765159.92	351.68	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085568	462880.71	3765157.51	351.32	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085569	462883.46	3765155.10	350.95	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085570	462886.21	3765152.69	350.57	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085571	462888.96	3765150.28	350.20	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085572	462891.72	3765147.87	349.83	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085573	462894.47	3765145.46	349.47	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085574	462897.22	3765143.06	349.10	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085575	462899.97	3765140.65	348.73	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085576	462902.73	3765138.24	348.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085577	462905.48	3765135.83	348.07	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085578	462908.23	3765133.42	347.70	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085579	462910.99	3765131.01	347.33	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085580	462913.74	3765128.60	346.96	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085581	462916.49	3765126.20	346.58	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085582	462919.24	3765123.79	346.20	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085583	462922.00	3765121.38	345.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085584	462924.75	3765118.97	345.42	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085585	462927.50	3765116.56	345.03	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085586	462930.25	3765114.15	344.63	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085587	462933.01	3765111.74	344.11	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085588	462935.76	3765109.34	343.56	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085589	462938.51	3765106.93	343.03	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085590	462941.26	3765104.52	342.53	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085591	462944.02	3765102.11	342.03	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085592	462946.77	3765099.70	341.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085593	462949.52	3765097.29	341.05	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085594	462952.27	3765094.88	340.56	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085595	462955.03	3765092.48	340.08	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085596	462957.78	3765090.07	339.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085597	462960.53	3765087.66	339.14	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085598	462963.28	3765085.25	338.66	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085599	462966.04	3765082.84	338.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085600	462968.79	3765080.43	337.70	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085601	462971.54	3765078.02	337.21	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085602	462974.30	3765075.62	336.75	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085603	462977.05	3765073.21	336.30	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085604	462979.80	3765070.80	335.85	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085605	462982.55	3765068.39	335.40	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085606	462985.31	3765065.98	334.94	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085607	462988.06	3765063.57	334.50	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085608	462990.81	3765061.17	334.05	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085609	462993.56	3765058.76	333.60	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085610	462996.32	3765056.35	333.16	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085611	462999.07	3765053.94	332.72	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085612	463001.82	3765051.53	332.28	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085613	463004.57	3765049.12	331.84	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085614	463007.33	3765046.71	331.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085615	463010.08	3765044.31	331.04	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085616	463012.83	3765041.90	330.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085617	463015.58	3765039.49	330.33	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085618	463018.34	3765037.08	329.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085619	463021.09	3765034.67	329.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085620	463023.84	3765032.26	329.25	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085621	463026.60	3765029.85	328.89	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085622	463029.35	3765027.45	328.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085623	463032.10	3765025.04	328.18	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085624	463034.85	3765022.63	327.85	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085625	463037.61	3765020.22	327.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085626	463040.36	3765017.81	327.23	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085627	463043.11	3765015.40	326.91	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085628	463045.86	3765012.99	326.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085629	463048.62	3765010.59	326.31	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085630	463051.37	3765008.18	326.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085631	463054.12	3765005.77	325.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085632	463056.87	3765003.36	325.38	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085633	463059.63	3765000.95	325.07	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085634	463062.38	3764998.54	324.78	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085635	463065.13	3764996.13	324.49	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085636	463067.88	3764993.73	324.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085637	463070.64	3764991.32	323.89	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085638	463073.39	3764988.91	323.59	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085639	463076.14	3764986.50	323.29	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085640	463078.90	3764984.09	322.98	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085641	463081.65	3764981.68	322.68	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085642	463084.40	3764979.27	322.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085643	463087.15	3764976.87	322.13	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085644	463089.91	3764974.46	321.87	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085645	463092.66	3764972.05	321.60	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085646	463095.41	3764969.64	321.34	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085647	463098.16	3764967.23	321.07	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085648	463100.92	3764964.82	320.81	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085649	463103.67	3764962.41	320.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085650	463106.42	3764960.01	320.27	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085651	463109.17	3764957.60	320.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085652	463111.82	3764955.08	319.73	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085653	463114.25	3764952.34	319.45	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085654	463116.67	3764949.61	319.18	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085655	463119.10	3764946.87	318.91	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085656	463121.53	3764944.14	318.63	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085657	463123.96	3764941.40	318.36	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085658	463126.39	3764938.67	318.09	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085659	463128.82	3764935.93	317.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085660	463131.25	3764933.20	317.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085661	463133.67	3764930.46	317.27	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085662	463136.10	3764927.73	317.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085663	463138.53	3764924.99	316.73	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085664	463140.96	3764922.26	316.47	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085665	463143.39	3764919.52	316.22	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085666	463145.82	3764916.79	315.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085667	463148.24	3764914.05	315.71	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085668	463150.67	3764911.32	315.45	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085669	463153.10	3764908.58	315.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085670	463155.53	3764905.85	314.93	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085671	463157.96	3764903.11	314.67	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085672	463160.39	3764900.38	314.40	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085673	463162.81	3764897.64	314.15	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085674	463165.24	3764894.91	313.90	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085675	463167.67	3764892.17	313.65	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085676	463170.10	3764889.44	313.42	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085677	463172.53	3764886.70	313.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085678	463174.96	3764883.97	312.96	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085679	463177.39	3764881.23	312.72	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085680	463179.81	3764878.50	312.47	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085681	463182.24	3764875.76	312.22	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085682	463184.67	3764873.03	311.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085683	463187.10	3764870.29	311.71	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085684	463189.53	3764867.56	311.47	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085685	463191.96	3764864.82	311.22	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085686	463194.38	3764862.09	310.96	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

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ONSITE2	L0085687	463196.81	3764859.35	310.71	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085688	463199.24	3764856.62	310.47	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085689	463201.67	3764853.88	310.23	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085690	463204.10	3764851.15	309.98	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085691	463206.53	3764848.41	309.73	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085692	463208.95	3764845.68	309.48	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085693	463211.38	3764842.94	309.22	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085694	463213.81	3764840.21	308.86	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085695	463216.24	3764837.47	308.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085696	463218.67	3764834.73	307.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085697	463221.10	3764832.00	307.49	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085698	463223.53	3764829.26	307.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085699	463225.95	3764826.53	306.55	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085700	463228.38	3764823.79	306.13	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085701	463230.81	3764821.06	305.72	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085702	463233.24	3764818.32	305.33	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085703	463235.67	3764815.59	304.96	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085704	463238.10	3764812.85	304.64	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085705	463240.52	3764810.12	304.45	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085706	463242.95	3764807.38	304.28	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085707	463245.38	3764804.65	304.13	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085708	463247.81	3764801.91	304.01	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085709	463250.24	3764799.18	303.90	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085710	463252.67	3764796.44	303.80	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085711	463255.10	3764793.71	303.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE2	L0085712	463257.52	3764790.97	303.57	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085713	463259.95	3764788.24	303.43	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085714	463262.38	3764785.50	303.27	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085715	463264.81	3764782.77	303.02	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085716	463267.24	3764780.03	302.72	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085717	463269.67	3764777.30	302.39	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085718	463272.09	3764774.56	302.05	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085719	463274.52	3764771.83	301.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085720	463276.95	3764769.09	301.31	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085721	463279.38	3764766.36	300.93	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085722	463281.81	3764763.62	300.58	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085723	463284.24	3764760.89	300.26	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085724	463286.66	3764758.15	299.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085725	463289.09	3764755.42	299.74	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085726	463291.52	3764752.68	299.63	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085727	463293.95	3764749.95	299.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085728	463296.38	3764747.21	299.45	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085729	463298.81	3764744.48	299.37	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085730	463301.24	3764741.74	299.31	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085731	463303.66	3764739.01	299.25	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085732	463306.09	3764736.27	299.21	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085733	463308.52	3764733.54	299.19	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085734	463310.95	3764730.80	299.16	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085735	463313.38	3764728.07	299.14	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085736	463315.81	3764725.33	299.11	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE2	L0085737	463318.23	3764722.60	299.09	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085738	463320.66	3764719.86	299.07	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085739	463323.09	3764717.13	299.04	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085740	463325.52	3764714.39	299.02	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085741	463327.95	3764711.66	299.00	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085742	463330.38	3764708.92	298.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085743	463332.81	3764706.19	298.95	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085744	463335.23	3764703.45	298.93	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085745	463337.66	3764700.72	298.90	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085746	463340.09	3764697.98	298.88	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085747	463342.52	3764695.25	298.85	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085748	463344.95	3764692.51	298.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085749	463347.38	3764689.77	298.79	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085750	463349.80	3764687.04	298.76	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085751	463352.23	3764684.30	298.72	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085752	463354.66	3764681.57	298.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085753	463357.09	3764678.83	298.66	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085754	463359.52	3764676.10	298.62	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085755	463361.95	3764673.36	298.52	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085756	463364.37	3764670.63	298.40	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085757	463366.80	3764667.89	298.15	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085758	463369.23	3764665.16	297.80	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085759	463371.66	3764662.42	297.41	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085760	463374.09	3764659.69	296.97	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085761	463376.52	3764656.95	296.50	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE2	L0085762	463378.95	3764654.22	295.98	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085763	463381.37	3764651.48	295.42	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085764	463383.80	3764648.75	294.82	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085765	463386.23	3764646.01	294.17	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085766	463388.66	3764643.28	293.54	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085767	463391.09	3764640.54	292.99	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085768	463393.52	3764637.81	292.61	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085769	463395.94	3764635.07	292.26	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085770	463398.37	3764632.34	291.96	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085771	463400.80	3764629.60	291.69	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70
	L0085772	463403.23	3764626.87	291.46	0.00	4.49E-9	3.66	Surface-Based	1.70	1.70

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0085773	461359.84	3764312.22	291.35	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085774	461362.90	3764314.21	291.48	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085775	461365.97	3764316.20	291.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085776	461369.04	3764318.19	291.73	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085777	461372.11	3764320.18	291.86	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085778	461375.18	3764322.17	291.99	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085779	461378.25	3764324.16	292.12	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085780	461381.32	3764326.15	292.25	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085781	461384.39	3764328.14	292.38	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085782	461387.46	3764330.13	292.52	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085783	461390.53	3764332.12	292.66	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085784	461393.59	3764334.11	292.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0085785	461396.66	3764336.10	292.98	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085786	461399.73	3764338.09	293.14	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085787	461402.80	3764340.08	293.30	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085788	461405.87	3764342.07	293.46	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085789	461408.94	3764344.06	293.62	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085790	461412.01	3764346.05	293.77	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085791	461415.08	3764348.04	293.92	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085792	461418.15	3764350.03	294.02	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085793	461421.21	3764352.02	294.13	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085794	461424.28	3764354.01	294.24	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085795	461427.35	3764355.99	294.34	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085796	461430.42	3764357.98	294.44	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085797	461433.49	3764359.97	294.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085798	461436.56	3764361.96	294.63	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085799	461439.63	3764363.95	294.73	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085800	461442.70	3764365.94	294.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085801	461445.77	3764367.93	294.91	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085802	461448.84	3764369.92	295.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085803	461451.90	3764371.91	295.08	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085804	461454.97	3764373.90	295.16	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085805	461458.04	3764375.89	295.24	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085806	461461.11	3764377.88	295.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085807	461464.18	3764379.87	295.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085808	461467.25	3764381.86	295.51	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085809	461470.32	3764383.85	295.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0085810	461473.39	3764385.84	295.71	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085811	461476.46	3764387.83	295.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085812	461479.52	3764389.82	295.92	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085813	461482.59	3764391.81	296.04	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085814	461485.66	3764393.80	296.15	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085815	461488.73	3764395.79	296.26	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085816	461491.80	3764397.78	296.38	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085817	461494.87	3764399.77	296.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085818	461497.94	3764401.76	296.71	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085819	461501.01	3764403.75	296.88	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085820	461504.08	3764405.74	297.06	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085821	461507.15	3764407.73	297.23	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085822	461510.21	3764409.72	297.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085823	461513.28	3764411.71	297.58	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085824	461516.35	3764413.70	297.76	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085825	461519.42	3764415.69	298.04	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085826	461522.49	3764417.68	298.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085827	461525.56	3764419.67	298.72	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085828	461528.63	3764421.66	299.04	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085829	461531.70	3764423.65	299.35	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085830	461534.77	3764425.64	299.65	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085831	461537.83	3764427.63	299.93	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085832	461540.90	3764429.62	300.20	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085833	461543.97	3764431.61	300.46	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085834	461547.04	3764433.60	300.72	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0085835	461550.11	3764435.59	300.96	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085836	461553.18	3764437.58	301.18	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085837	461556.25	3764439.57	301.40	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085838	461559.32	3764441.56	301.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085839	461562.39	3764443.55	301.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085840	461565.46	3764445.54	302.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085841	461568.52	3764447.53	302.18	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085842	461571.59	3764449.52	302.46	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085843	461574.66	3764451.51	302.75	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085844	461577.73	3764453.50	303.03	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085845	461580.80	3764455.49	303.30	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085846	461583.87	3764457.48	303.57	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085847	461586.94	3764459.47	303.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085848	461590.01	3764461.46	304.07	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085849	461593.08	3764463.45	304.31	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085850	461596.14	3764465.44	304.65	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085851	461599.21	3764467.43	305.12	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085852	461602.28	3764469.42	305.60	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085853	461605.35	3764471.41	306.05	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085854	461608.42	3764473.40	306.48	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085855	461611.49	3764475.39	306.87	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085856	461614.56	3764477.38	307.23	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085857	461617.63	3764479.37	307.57	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085858	461620.70	3764481.36	307.88	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085859	461623.77	3764483.35	308.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0085860	461626.83	3764485.34	308.72	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085861	461629.90	3764487.33	309.09	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085862	461632.97	3764489.32	309.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085863	461636.04	3764491.31	309.70	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085864	461639.11	3764493.30	309.95	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085865	461642.18	3764495.29	310.17	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085866	461645.25	3764497.28	310.35	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085867	461648.32	3764499.27	310.88	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085868	461651.39	3764501.26	311.52	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085869	461654.45	3764503.25	312.16	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085870	461657.52	3764505.24	312.79	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085871	461660.59	3764507.23	313.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085872	461663.66	3764509.22	314.03	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085873	461666.73	3764511.21	314.65	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085874	461669.80	3764513.20	315.26	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085875	461672.87	3764515.18	315.89	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085876	461675.94	3764517.17	316.55	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085877	461679.01	3764519.16	317.18	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085878	461682.08	3764521.15	317.77	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085879	461685.14	3764523.14	318.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085880	461688.21	3764525.13	318.83	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085881	461691.28	3764527.12	319.30	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085882	461694.35	3764529.11	319.70	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085883	461697.42	3764531.10	320.02	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085884	461700.49	3764533.09	320.02	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0085885	461703.56	3764535.08	319.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085886	461706.63	3764537.07	319.87	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085887	461709.70	3764539.06	319.74	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085888	461712.76	3764541.05	319.56	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085889	461715.83	3764543.04	319.35	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085890	461718.90	3764545.03	319.10	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085891	461721.97	3764547.02	318.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085892	461725.04	3764549.01	318.44	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085893	461728.11	3764551.00	318.04	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085894	461731.18	3764552.99	317.63	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085895	461734.25	3764554.98	317.21	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085896	461737.32	3764556.97	316.79	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085897	461740.39	3764558.96	316.40	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085898	461743.45	3764560.95	316.37	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085899	461746.52	3764562.94	316.36	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085900	461749.59	3764564.93	316.36	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085901	461752.66	3764566.92	316.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085902	461755.73	3764568.91	316.50	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085903	461758.80	3764570.90	316.56	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085904	461761.87	3764572.89	316.63	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085905	461764.94	3764574.88	316.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085906	461768.01	3764576.87	316.75	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085907	461771.07	3764578.86	316.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085908	461774.14	3764580.85	316.87	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085909	461777.21	3764582.84	316.91	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0085910	461780.28	3764584.83	316.96	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085911	461783.35	3764586.82	317.02	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085912	461786.42	3764588.81	317.09	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085913	461789.49	3764590.80	317.26	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085914	461792.56	3764592.79	317.47	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085915	461795.63	3764594.78	317.67	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085916	461798.70	3764596.77	317.88	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085917	461801.76	3764598.76	318.15	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085918	461804.83	3764600.75	318.50	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085919	461807.90	3764602.74	318.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085920	461810.97	3764604.73	319.14	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085921	461814.04	3764606.72	319.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085922	461817.11	3764608.71	319.71	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085923	461820.18	3764610.70	319.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085924	461823.25	3764612.69	320.21	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085925	461826.32	3764614.68	320.44	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085926	461829.38	3764616.67	320.70	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085927	461832.45	3764618.66	320.91	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085928	461835.52	3764620.65	321.11	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085929	461838.59	3764622.64	321.31	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085930	461841.66	3764624.63	321.50	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085931	461844.73	3764626.62	321.67	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085932	461847.80	3764628.61	321.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085933	461850.87	3764630.60	321.96	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085934	461853.94	3764632.59	322.01	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

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ONSITE1	L0085935	461857.01	3764634.58	322.04	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085936	461860.07	3764636.57	322.06	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085937	461863.14	3764638.56	322.08	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085938	461866.21	3764640.55	322.11	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085939	461869.28	3764642.54	322.13	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085940	461872.35	3764644.53	322.16	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085941	461875.42	3764646.52	322.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085942	461878.49	3764648.51	322.24	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085943	461881.56	3764650.50	322.35	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085944	461884.63	3764652.49	322.50	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085945	461887.69	3764654.48	322.65	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085946	461890.76	3764656.47	322.79	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085947	461893.83	3764658.46	322.94	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085948	461896.90	3764660.45	323.08	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085949	461899.97	3764662.44	323.21	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085950	461903.04	3764664.43	323.34	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085951	461906.11	3764666.42	323.50	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085952	461909.18	3764668.41	323.66	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085953	461912.25	3764670.40	323.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085954	461915.32	3764672.39	323.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085955	461918.38	3764674.38	324.11	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085956	461921.45	3764676.36	324.25	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085957	461924.52	3764678.35	324.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085958	461927.59	3764680.34	324.52	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085959	461930.66	3764682.33	324.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

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ONSITE1	L0085960	461933.73	3764684.32	324.89	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085961	461936.80	3764686.31	325.10	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085962	461939.87	3764688.30	325.30	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085963	461942.94	3764690.29	325.50	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085964	461946.00	3764692.28	325.70	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085965	461949.07	3764694.27	325.90	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085966	461952.14	3764696.26	326.10	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085967	461955.21	3764698.25	326.29	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085968	461958.28	3764700.24	326.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085969	461961.35	3764702.23	326.57	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085970	461964.42	3764704.22	326.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085971	461967.49	3764706.21	326.79	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085972	461970.56	3764708.20	326.89	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085973	461973.63	3764710.19	326.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085974	461976.69	3764712.18	327.06	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085975	461979.76	3764714.17	327.24	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085976	461982.83	3764716.16	327.36	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085977	461985.90	3764718.15	327.47	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085978	461988.97	3764720.14	327.60	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085979	461992.04	3764722.13	327.75	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085980	461995.11	3764724.12	327.92	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085981	461998.18	3764726.11	328.11	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085982	462001.25	3764728.10	328.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085983	462004.31	3764730.09	328.55	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085984	462007.38	3764732.08	328.80	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

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ONSITE1	L0085985	462010.45	3764734.07	329.05	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085986	462013.52	3764736.06	329.31	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085987	462016.59	3764738.05	329.56	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085988	462019.66	3764740.04	329.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085989	462022.73	3764742.03	330.05	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085990	462025.80	3764744.02	330.57	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085991	462028.87	3764746.01	331.18	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085992	462031.94	3764748.00	331.79	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085993	462035.00	3764749.99	332.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085994	462038.07	3764751.98	332.86	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085995	462041.14	3764753.97	333.40	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085996	462044.21	3764755.96	333.94	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085997	462047.28	3764757.95	334.49	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085998	462050.35	3764759.94	335.04	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0085999	462053.42	3764761.93	335.60	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086000	462056.49	3764763.92	336.16	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086001	462059.56	3764765.91	336.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086002	462062.62	3764767.90	336.98	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086003	462065.69	3764769.89	337.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086004	462068.76	3764771.88	337.63	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086005	462071.83	3764773.87	337.93	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086006	462074.90	3764775.86	338.23	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086007	462077.97	3764777.85	338.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086008	462079.71	3764780.73	339.06	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086009	462080.37	3764784.32	339.74	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086010	462081.02	3764787.92	340.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086011	462081.68	3764791.52	341.12	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086012	462082.34	3764795.12	341.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086013	462083.00	3764798.72	342.51	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086014	462083.66	3764802.31	343.21	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086015	462084.32	3764805.91	343.88	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086016	462084.98	3764809.51	344.51	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086017	462085.63	3764813.11	345.15	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086018	462086.29	3764816.70	345.77	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086019	462086.95	3764820.30	346.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086020	462087.61	3764823.90	347.01	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086021	462088.27	3764827.50	347.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086022	462088.93	3764831.10	348.22	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086023	462089.59	3764834.69	348.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086024	462090.24	3764838.29	349.31	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086025	462090.90	3764841.89	349.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086026	462091.56	3764845.49	350.34	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086027	462092.22	3764849.09	350.87	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086028	462092.88	3764852.68	351.40	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086029	462093.54	3764856.28	351.95	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086030	462094.19	3764859.88	352.50	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086031	462094.85	3764863.48	353.06	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086032	462095.51	3764867.07	353.51	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086033	462096.17	3764870.67	353.84	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086034	462096.83	3764874.27	354.18	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086035	462097.49	3764877.87	354.53	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086036	462098.15	3764881.47	354.89	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086037	462098.80	3764885.06	355.26	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086038	462099.46	3764888.66	355.65	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086039	462100.12	3764892.26	356.05	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086040	462100.78	3764895.86	356.46	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086041	462101.44	3764899.45	356.51	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086042	462102.10	3764903.05	356.53	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086043	462102.76	3764906.65	356.57	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086044	462103.41	3764910.25	356.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086045	462104.07	3764913.85	356.65	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086046	462104.73	3764917.44	356.71	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086047	462105.39	3764921.04	356.77	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086048	462106.05	3764924.64	356.84	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086049	462106.71	3764928.24	356.73	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086050	462107.36	3764931.84	356.33	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086051	462108.02	3764935.43	355.92	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086052	462108.68	3764939.03	355.52	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086053	462109.34	3764942.63	355.11	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086054	462110.00	3764946.23	354.70	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086055	462110.66	3764949.82	354.28	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086056	462111.32	3764953.42	353.86	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086057	462111.97	3764957.02	353.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086058	462112.63	3764960.62	352.83	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086059	462113.29	3764964.22	352.18	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0086060	462113.95	3764967.81	351.53	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086061	462114.61	3764971.41	350.87	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086062	462115.27	3764975.01	350.21	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086063	462115.93	3764978.61	349.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086064	462116.58	3764982.20	348.86	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086065	462117.24	3764985.80	348.18	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086066	462117.90	3764989.40	347.59	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086067	462118.56	3764993.00	347.28	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086068	462119.22	3764996.60	346.98	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086069	462119.88	3765000.19	346.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086070	462120.54	3765003.79	346.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086071	462121.19	3765007.39	346.14	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086072	462121.85	3765010.99	345.88	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086073	462122.51	3765014.59	345.64	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086074	462123.17	3765018.18	345.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086075	462123.83	3765021.78	345.58	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086076	462124.49	3765025.38	345.91	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086077	462125.14	3765028.98	346.23	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086078	462125.80	3765032.57	346.53	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086079	462126.46	3765036.17	346.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086080	462127.12	3765039.77	347.10	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086081	462127.78	3765043.37	347.37	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086082	462128.44	3765046.97	347.62	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086083	462129.10	3765050.56	347.91	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086084	462129.75	3765054.16	348.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0086085	462130.41	3765057.76	348.95	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086086	462131.07	3765061.36	349.48	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086087	462131.73	3765064.96	350.01	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086088	462132.39	3765068.55	350.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086089	462133.05	3765072.15	351.07	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086090	462133.71	3765075.75	351.60	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086091	462134.36	3765079.35	352.14	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086092	462135.02	3765082.94	352.74	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086093	462135.68	3765086.54	353.40	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086094	462136.34	3765090.14	354.06	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086095	462137.00	3765093.74	354.71	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086096	462137.66	3765097.34	355.37	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086097	462138.32	3765100.93	356.03	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086098	462138.97	3765104.53	356.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086099	462139.63	3765108.13	357.34	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086100	462140.29	3765111.73	358.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086101	462140.95	3765115.32	358.53	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086102	462141.61	3765118.92	359.07	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086103	462142.27	3765122.52	359.62	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086104	462142.92	3765126.12	360.16	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086105	462143.58	3765129.72	360.71	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086106	462144.24	3765133.31	361.26	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086107	462144.90	3765136.91	361.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086108	462145.56	3765140.51	362.37	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086109	462146.22	3765144.11	362.85	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

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ONSITE1	L0086110	462146.88	3765147.71	363.25	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086111	462147.53	3765151.30	363.65	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086112	462148.19	3765154.90	364.06	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086113	462148.85	3765158.50	364.46	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086114	462149.51	3765162.10	364.86	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086115	462150.17	3765165.69	365.26	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086116	462150.83	3765169.29	365.67	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086117	462151.49	3765172.89	366.07	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086118	462152.14	3765176.49	366.16	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086119	462152.80	3765180.09	366.23	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086120	462153.46	3765183.68	366.30	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086121	462154.12	3765187.28	366.36	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086122	462154.78	3765190.88	366.42	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086123	462155.44	3765194.48	366.48	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086124	462156.09	3765198.07	366.53	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086125	462156.75	3765201.67	366.58	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086126	462157.41	3765205.27	366.53	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086127	462158.07	3765208.87	366.30	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086128	462158.73	3765212.47	366.08	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086129	462159.39	3765216.06	365.86	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086130	462160.05	3765219.66	365.65	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086131	462160.70	3765223.26	365.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086132	462161.36	3765226.86	365.22	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086133	462162.02	3765230.46	365.02	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086134	462162.68	3765234.05	364.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0086135	462163.34	3765237.65	364.76	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086136	462164.00	3765241.25	364.75	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086137	462164.66	3765244.85	364.75	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086138	462165.31	3765248.44	364.74	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086139	462165.97	3765252.04	364.74	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086140	462166.63	3765255.64	364.74	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086141	462167.29	3765259.24	364.74	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086142	462167.95	3765262.84	364.74	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086143	462168.61	3765266.43	364.72	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086144	462169.27	3765270.03	364.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086145	462169.92	3765273.63	364.50	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086146	462170.58	3765277.23	364.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086147	462171.24	3765280.83	364.28	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086148	462171.90	3765284.42	364.17	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086149	462172.56	3765288.02	364.06	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086150	462173.22	3765291.62	363.96	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086151	462173.87	3765295.22	363.85	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086152	462174.53	3765298.81	363.51	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086153	462175.19	3765302.41	363.09	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086154	462175.85	3765306.01	362.67	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086155	462176.51	3765309.61	362.24	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086156	462177.17	3765313.21	361.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086157	462177.83	3765316.80	361.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086158	462178.48	3765320.40	360.99	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086159	462179.14	3765324.00	360.57	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086160	462179.80	3765327.60	360.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086161	462180.46	3765331.19	359.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086162	462181.12	3765334.79	359.73	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086163	462181.78	3765338.39	359.48	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086164	462182.44	3765341.99	359.22	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086165	462183.09	3765345.59	358.95	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086166	462183.75	3765349.18	358.67	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086167	462184.41	3765352.78	358.38	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086168	462185.35	3765356.16	358.11	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086169	462188.66	3765357.72	358.10	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086170	462191.97	3765359.27	358.49	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086171	462195.28	3765360.82	358.87	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086172	462198.60	3765362.37	359.26	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086173	462201.91	3765363.93	359.64	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086174	462205.22	3765365.48	360.02	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086175	462208.53	3765367.03	360.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086176	462211.84	3765368.58	360.76	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086177	462215.16	3765370.14	361.14	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086178	462218.47	3765371.69	361.52	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086179	462221.78	3765373.24	361.88	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086180	462225.09	3765374.79	362.23	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086181	462228.40	3765376.35	362.57	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086182	462231.71	3765377.90	362.89	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086183	462235.03	3765379.45	363.21	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086184	462238.34	3765381.00	363.51	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086185	462241.65	3765382.55	363.75	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086186	462244.96	3765384.11	363.93	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086187	462248.27	3765385.66	364.08	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086188	462251.59	3765387.21	364.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086189	462254.90	3765388.76	364.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086190	462258.21	3765390.32	364.58	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086191	462261.52	3765391.87	364.86	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086192	462264.83	3765393.42	365.15	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086193	462268.14	3765394.97	365.36	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086194	462271.46	3765396.53	365.56	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086195	462274.77	3765398.08	365.75	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086196	462278.08	3765399.63	365.95	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086197	462281.39	3765401.18	366.14	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086198	462284.70	3765402.74	366.34	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086199	462288.02	3765404.29	366.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086200	462291.33	3765405.84	366.73	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086201	462294.64	3765407.39	366.92	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086202	462297.95	3765408.95	367.08	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086203	462301.26	3765410.50	367.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086204	462304.57	3765412.05	367.27	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086205	462307.89	3765413.60	367.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086206	462311.20	3765415.16	367.33	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086207	462314.51	3765416.71	367.30	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086208	462317.82	3765418.26	367.42	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086209	462321.13	3765419.81	367.91	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0086210	462324.45	3765421.36	368.38	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086211	462327.76	3765422.92	368.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086212	462331.07	3765424.47	369.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086213	462334.38	3765426.02	369.53	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086214	462337.69	3765427.57	369.83	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086215	462341.00	3765429.13	370.08	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086216	462344.32	3765430.68	370.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086217	462347.63	3765432.23	370.75	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086218	462350.94	3765433.78	371.13	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086219	462354.25	3765435.34	371.52	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086220	462357.56	3765436.89	371.92	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086221	462360.88	3765438.44	372.33	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086222	462364.19	3765439.99	372.76	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086223	462367.50	3765441.55	373.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086224	462370.81	3765443.10	373.56	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086225	462374.12	3765444.65	373.91	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086226	462377.44	3765445.80	374.25	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086227	462380.76	3765444.27	374.42	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086228	462384.08	3765442.75	374.60	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086229	462387.41	3765441.22	374.76	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086230	462390.73	3765439.70	374.92	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086231	462394.06	3765438.17	375.07	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086232	462397.38	3765436.64	375.22	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086233	462400.70	3765435.12	375.38	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086234	462404.03	3765433.59	375.53	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0086235	462407.35	3765432.07	375.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086236	462410.68	3765430.54	375.86	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086237	462414.00	3765429.02	376.02	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086238	462417.33	3765427.49	376.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086239	462420.65	3765425.96	376.37	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086240	462423.97	3765424.44	376.57	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086241	462427.30	3765422.91	376.77	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086242	462430.62	3765421.39	376.98	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086243	462433.95	3765419.86	377.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086244	462437.27	3765418.33	377.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086245	462440.59	3765416.81	377.62	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086246	462443.92	3765415.28	377.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086247	462447.24	3765413.76	378.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086248	462450.57	3765412.23	378.17	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086249	462453.89	3765410.71	378.33	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086250	462457.21	3765409.18	378.50	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086251	462460.54	3765407.65	378.66	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086252	462463.86	3765406.13	378.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086253	462467.19	3765404.60	378.98	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086254	462470.51	3765403.08	379.13	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086255	462473.84	3765401.55	379.31	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086256	462477.16	3765400.03	379.49	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086257	462480.48	3765398.50	379.68	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086258	462483.81	3765396.97	379.89	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086259	462487.13	3765395.45	380.10	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0086260	462490.46	3765393.92	380.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086261	462493.78	3765392.40	380.56	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086262	462497.10	3765390.87	380.80	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086263	462500.43	3765389.34	381.06	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086264	462503.75	3765387.82	381.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086265	462507.08	3765386.29	381.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086266	462510.40	3765384.77	381.90	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086267	462513.73	3765383.24	382.18	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086268	462517.05	3765381.72	382.46	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086269	462520.37	3765380.19	382.73	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086270	462523.70	3765378.66	383.02	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086271	462527.02	3765377.14	383.31	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086272	462530.35	3765375.61	383.59	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086273	462533.67	3765374.09	383.87	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086274	462536.99	3765372.56	384.14	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086275	462540.32	3765371.03	384.40	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086276	462543.64	3765369.51	384.66	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086277	462546.97	3765367.98	384.91	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086278	462550.29	3765366.46	385.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086279	462553.61	3765364.93	385.46	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086280	462556.94	3765363.41	385.74	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086281	462560.26	3765361.88	386.01	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086282	462563.59	3765360.35	386.27	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086283	462566.91	3765358.83	386.53	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086284	462570.24	3765357.30	386.79	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0086285	462573.56	3765355.78	387.06	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086286	462576.88	3765354.25	387.34	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086287	462580.21	3765352.72	387.62	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086288	462583.53	3765351.20	387.89	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086289	462586.86	3765349.67	388.15	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086290	462590.18	3765348.15	388.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086291	462593.50	3765346.62	388.65	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086292	462596.83	3765345.10	388.88	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086293	462600.15	3765343.57	388.99	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086294	462603.48	3765342.04	388.92	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086295	462606.80	3765340.52	388.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086296	462610.13	3765338.99	388.65	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086297	462613.45	3765337.47	388.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086298	462616.77	3765335.94	388.17	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086299	462620.10	3765334.41	387.85	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086300	462623.42	3765332.89	387.49	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086301	462626.75	3765331.36	386.98	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086302	462630.07	3765329.84	386.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086303	462633.39	3765328.31	385.77	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086304	462636.72	3765326.79	385.10	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086305	462640.04	3765325.26	384.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086306	462643.37	3765323.73	383.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086307	462646.69	3765322.21	383.20	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086308	462650.01	3765320.68	382.57	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086309	462653.34	3765319.16	382.06	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086310	462656.66	3765317.63	381.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086311	462659.99	3765316.10	381.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086312	462663.31	3765314.58	380.45	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086313	462666.64	3765313.05	379.89	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086314	462669.96	3765311.53	379.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086315	462673.28	3765310.00	378.72	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086316	462676.61	3765308.48	378.13	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086317	462679.93	3765306.95	377.55	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086318	462683.26	3765305.42	376.98	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086319	462686.58	3765303.90	376.40	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086320	462689.90	3765302.37	375.83	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086321	462693.23	3765300.85	375.26	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086322	462696.55	3765299.32	374.70	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086323	462699.88	3765297.79	374.13	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086324	462703.20	3765296.27	374.08	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086325	462706.53	3765294.74	374.25	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086326	462709.85	3765293.22	374.47	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086327	462713.17	3765291.69	374.70	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086328	462716.50	3765290.17	374.91	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086329	462719.82	3765288.64	375.10	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086330	462723.15	3765287.11	375.26	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086331	462726.47	3765285.59	375.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086332	462729.79	3765284.06	375.80	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086333	462733.12	3765282.54	376.17	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086334	462736.44	3765281.01	376.52	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086335	462739.77	3765279.48	376.84	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086336	462743.08	3765277.93	377.12	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086337	462745.83	3765275.53	377.08	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086338	462748.58	3765273.12	377.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086339	462751.33	3765270.71	376.89	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086340	462754.09	3765268.30	376.34	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086341	462756.84	3765265.89	375.62	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086342	462759.59	3765263.48	374.87	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086343	462762.34	3765261.07	374.16	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086344	462765.10	3765258.67	373.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086345	462767.85	3765256.26	372.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086346	462770.60	3765253.85	371.93	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086347	462773.35	3765251.44	371.15	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086348	462776.11	3765249.03	370.35	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086349	462778.86	3765246.62	369.67	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086350	462781.61	3765244.21	369.15	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086351	462784.36	3765241.81	368.62	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086352	462787.12	3765239.40	368.09	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086353	462789.87	3765236.99	367.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086354	462792.62	3765234.58	366.99	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086355	462795.37	3765232.17	366.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086356	462798.13	3765229.76	365.95	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086357	462800.88	3765227.35	365.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086358	462803.63	3765224.95	364.84	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086359	462806.39	3765222.54	364.11	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086360	462809.14	3765220.13	363.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086361	462811.89	3765217.72	362.70	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086362	462814.64	3765215.31	362.03	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086363	462817.40	3765212.90	361.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086364	462820.15	3765210.50	360.76	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086365	462822.90	3765208.09	360.16	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086366	462825.65	3765205.68	359.58	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086367	462828.41	3765203.27	359.02	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086368	462831.16	3765200.86	358.52	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086369	462833.91	3765198.45	358.09	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086370	462836.66	3765196.04	357.67	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086371	462839.42	3765193.64	357.25	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086372	462842.17	3765191.23	356.83	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086373	462844.92	3765188.82	356.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086374	462847.67	3765186.41	355.99	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086375	462850.43	3765184.00	355.58	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086376	462853.18	3765181.59	355.17	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086377	462855.93	3765179.18	354.78	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086378	462858.69	3765176.78	354.40	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086379	462861.44	3765174.37	354.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086380	462864.19	3765171.96	353.58	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086381	462866.94	3765169.55	353.16	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086382	462869.70	3765167.14	352.79	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086383	462872.45	3765164.73	352.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086384	462875.20	3765162.32	352.05	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0086385	462877.95	3765159.92	351.68	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086386	462880.71	3765157.51	351.32	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086387	462883.46	3765155.10	350.95	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086388	462886.21	3765152.69	350.57	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086389	462888.96	3765150.28	350.20	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086390	462891.72	3765147.87	349.83	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086391	462894.47	3765145.46	349.47	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086392	462897.22	3765143.06	349.10	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086393	462899.97	3765140.65	348.73	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086394	462902.73	3765138.24	348.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086395	462905.48	3765135.83	348.07	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086396	462908.23	3765133.42	347.70	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086397	462910.99	3765131.01	347.33	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086398	462913.74	3765128.60	346.96	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086399	462916.49	3765126.20	346.58	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086400	462919.24	3765123.79	346.20	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086401	462922.00	3765121.38	345.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086402	462924.75	3765118.97	345.42	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086403	462927.50	3765116.56	345.03	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086404	462930.25	3765114.15	344.63	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086405	462933.01	3765111.74	344.11	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086406	462935.76	3765109.34	343.56	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086407	462938.51	3765106.93	343.03	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086408	462941.26	3765104.52	342.53	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086409	462944.02	3765102.11	342.03	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0086410	462946.77	3765099.70	341.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086411	462949.52	3765097.29	341.05	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086412	462952.27	3765094.88	340.56	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086413	462955.03	3765092.48	340.08	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086414	462957.78	3765090.07	339.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086415	462960.53	3765087.66	339.14	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086416	462963.28	3765085.25	338.66	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086417	462966.04	3765082.84	338.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086418	462968.79	3765080.43	337.70	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086419	462971.54	3765078.02	337.21	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086420	462974.30	3765075.62	336.75	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086421	462977.05	3765073.21	336.30	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086422	462979.80	3765070.80	335.85	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086423	462982.55	3765068.39	335.40	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086424	462985.31	3765065.98	334.94	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086425	462988.06	3765063.57	334.50	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086426	462990.81	3765061.17	334.05	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086427	462993.56	3765058.76	333.60	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086428	462996.32	3765056.35	333.16	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086429	462999.07	3765053.94	332.72	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086430	463001.82	3765051.53	332.28	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086431	463004.57	3765049.12	331.84	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086432	463007.33	3765046.71	331.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086433	463010.08	3765044.31	331.04	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086434	463012.83	3765041.90	330.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

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ONSITE1	L0086435	463015.58	3765039.49	330.33	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086436	463018.34	3765037.08	329.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086437	463021.09	3765034.67	329.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086438	463023.84	3765032.26	329.25	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086439	463026.60	3765029.85	328.89	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086440	463029.35	3765027.45	328.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086441	463032.10	3765025.04	328.18	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086442	463034.85	3765022.63	327.85	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086443	463037.61	3765020.22	327.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086444	463040.36	3765017.81	327.23	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086445	463043.11	3765015.40	326.91	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086446	463045.86	3765012.99	326.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086447	463048.62	3765010.59	326.31	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086448	463051.37	3765008.18	326.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086449	463054.12	3765005.77	325.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086450	463056.87	3765003.36	325.38	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086451	463059.63	3765000.95	325.07	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086452	463062.38	3764998.54	324.78	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086453	463065.13	3764996.13	324.49	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086454	463067.88	3764993.73	324.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086455	463070.64	3764991.32	323.89	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086456	463073.39	3764988.91	323.59	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086457	463076.14	3764986.50	323.29	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086458	463078.90	3764984.09	322.98	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086459	463081.65	3764981.68	322.68	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086460	463084.40	3764979.27	322.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086461	463087.15	3764976.87	322.13	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086462	463089.91	3764974.46	321.87	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086463	463092.66	3764972.05	321.60	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086464	463095.41	3764969.64	321.34	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086465	463098.16	3764967.23	321.07	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086466	463100.92	3764964.82	320.81	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086467	463103.67	3764962.41	320.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086468	463106.42	3764960.01	320.27	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086469	463109.17	3764957.60	320.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086470	463111.82	3764955.08	319.73	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086471	463114.25	3764952.34	319.45	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086472	463116.67	3764949.61	319.18	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086473	463119.10	3764946.87	318.91	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086474	463121.53	3764944.14	318.63	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086475	463123.96	3764941.40	318.36	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086476	463126.39	3764938.67	318.09	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086477	463128.82	3764935.93	317.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086478	463131.25	3764933.20	317.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086479	463133.67	3764930.46	317.27	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086480	463136.10	3764927.73	317.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086481	463138.53	3764924.99	316.73	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086482	463140.96	3764922.26	316.47	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086483	463143.39	3764919.52	316.22	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086484	463145.82	3764916.79	315.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086485	463148.24	3764914.05	315.71	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086486	463150.67	3764911.32	315.45	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086487	463153.10	3764908.58	315.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086488	463155.53	3764905.85	314.93	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086489	463157.96	3764903.11	314.67	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086490	463160.39	3764900.38	314.40	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086491	463162.81	3764897.64	314.15	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086492	463165.24	3764894.91	313.90	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086493	463167.67	3764892.17	313.65	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086494	463170.10	3764889.44	313.42	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086495	463172.53	3764886.70	313.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086496	463174.96	3764883.97	312.96	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086497	463177.39	3764881.23	312.72	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086498	463179.81	3764878.50	312.47	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086499	463182.24	3764875.76	312.22	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086500	463184.67	3764873.03	311.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086501	463187.10	3764870.29	311.71	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086502	463189.53	3764867.56	311.47	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086503	463191.96	3764864.82	311.22	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086504	463194.38	3764862.09	310.96	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086505	463196.81	3764859.35	310.71	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086506	463199.24	3764856.62	310.47	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086507	463201.67	3764853.88	310.23	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086508	463204.10	3764851.15	309.98	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086509	463206.53	3764848.41	309.73	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086510	463208.95	3764845.68	309.48	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086511	463211.38	3764842.94	309.22	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086512	463213.81	3764840.21	308.86	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086513	463216.24	3764837.47	308.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086514	463218.67	3764834.73	307.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086515	463221.10	3764832.00	307.49	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086516	463223.53	3764829.26	307.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086517	463225.95	3764826.53	306.55	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086518	463228.38	3764823.79	306.13	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086519	463230.81	3764821.06	305.72	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086520	463233.24	3764818.32	305.33	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086521	463235.67	3764815.59	304.96	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086522	463238.10	3764812.85	304.64	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086523	463240.52	3764810.12	304.45	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086524	463242.95	3764807.38	304.28	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086525	463245.38	3764804.65	304.13	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086526	463247.81	3764801.91	304.01	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086527	463250.24	3764799.18	303.90	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086528	463252.67	3764796.44	303.80	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086529	463255.10	3764793.71	303.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086530	463257.52	3764790.97	303.57	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086531	463259.95	3764788.24	303.43	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086532	463262.38	3764785.50	303.27	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086533	463264.81	3764782.77	303.02	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086534	463267.24	3764780.03	302.72	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086535	463269.67	3764777.30	302.39	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086536	463272.09	3764774.56	302.05	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086537	463274.52	3764771.83	301.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086538	463276.95	3764769.09	301.31	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086539	463279.38	3764766.36	300.93	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086540	463281.81	3764763.62	300.58	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086541	463284.24	3764760.89	300.26	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086542	463286.66	3764758.15	299.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086543	463289.09	3764755.42	299.74	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086544	463291.52	3764752.68	299.63	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086545	463293.95	3764749.95	299.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086546	463296.38	3764747.21	299.45	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086547	463298.81	3764744.48	299.37	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086548	463301.24	3764741.74	299.31	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086549	463303.66	3764739.01	299.25	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086550	463306.09	3764736.27	299.21	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086551	463308.52	3764733.54	299.19	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086552	463310.95	3764730.80	299.16	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086553	463313.38	3764728.07	299.14	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086554	463315.81	3764725.33	299.11	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086555	463318.23	3764722.60	299.09	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086556	463320.66	3764719.86	299.07	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086557	463323.09	3764717.13	299.04	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086558	463325.52	3764714.39	299.02	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086559	463327.95	3764711.66	299.00	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086560	463330.38	3764708.92	298.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086561	463332.81	3764706.19	298.95	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086562	463335.23	3764703.45	298.93	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086563	463337.66	3764700.72	298.90	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086564	463340.09	3764697.98	298.88	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086565	463342.52	3764695.25	298.85	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086566	463344.95	3764692.51	298.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086567	463347.38	3764689.77	298.79	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086568	463349.80	3764687.04	298.76	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086569	463352.23	3764684.30	298.72	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086570	463354.66	3764681.57	298.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086571	463357.09	3764678.83	298.66	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086572	463359.52	3764676.10	298.62	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086573	463361.95	3764673.36	298.52	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086574	463364.37	3764670.63	298.40	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086575	463366.80	3764667.89	298.15	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086576	463369.23	3764665.16	297.80	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086577	463371.66	3764662.42	297.41	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086578	463374.09	3764659.69	296.97	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086579	463376.52	3764656.95	296.50	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086580	463378.95	3764654.22	295.98	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086581	463381.37	3764651.48	295.42	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086582	463383.80	3764648.75	294.82	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086583	463386.23	3764646.01	294.17	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086584	463388.66	3764643.28	293.54	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Source Pathway - Source Inputs

AERMOD

Line Source ID	Volume Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation [m]	Release Height [m[	Emission Rate [g/s]	Length of Side [m]	Building Height [m]	Initial Lateral Dimencion [m]	Initial Vertical Dimencion [m]
ONSITE1	L0086585	463391.09	3764640.54	292.99	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086586	463393.52	3764637.81	292.61	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086587	463395.94	3764635.07	292.26	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086588	463398.37	3764632.34	291.96	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086589	463400.80	3764629.60	291.69	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70
	L0086590	463403.23	3764626.87	291.46	3.11	1.63E-7	3.66	Surface-Based	1.70	1.70

Receptor Pathway

Receptor Networks

Note: Terrain Elavations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Uniform Cartesian Grid

Receptor Network ID	Grid Origin X Coordinate [m]	Grid Origin Y Coordinate [m]	No. of X-Axis Receptors	No. of Y-Axis Receptors	Spacing for X-Axis [m]	Spacing for Y-Axis [m]
UCART1	460178.00	3762570.00	8	10	500.00	500.00

Discrete Receptors

Discrete Cartesian Receptors

Record Number	X-Coordinate [m]	Y-Coordinate [m]	Group Name (Optional)	Terrain Elevations	Flagpole Heights [m] (Optional)
1	461830.67	3763731.59		318.75	
2	462018.48	3763743.11		348.15	
3	461888.52	3764798.07		329.96	
4	461974.32	3764838.71		335.52	
5	462066.15	3765088.60		346.13	
6	462075.18	3765184.95		356.35	
7	462154.66	3765361.50		357.04	
8	462108.61	3765265.86		357.68	
9	462259.17	3765451.83		373.76	
10	462379.61	3765466.00		375.05	
11	462571.99	3765436.88		390.15	
12	462257.74	3765453.87		373.88	
13	462058.99	3764694.79		334.56	
14	461923.91	3764627.25		326.70	
15	461932.80	3764365.79		359.37	

Plant Boundary Receptors

Meteorology Pathway

AERMOD

Met Input Data

Surface Met Data

Filename: C:\Users\Tyler Klassen\Dropbox (MD Acoustics)\MD Team\Active Jobs\0971 - FirstCarbon\09712201_Rio Vist

Format Type: Default AERMET format

Profile Met Data

Filename: C:\Users\Tyler Klassen\Dropbox (MD Acoustics)\MD Team\Active Jobs\0971 - FirstCarbon\09712201_Rio Vis

Format Type: Default AERMET format

Wind Speed

☐ Wind Speeds are Vector Mean (Not Scalar Means)

Wind Direction

Rotation Adjustment [deg]:

Potential Temperature Profile

Base Elevation above MSL (for Primary Met Tower): 0.00 [m]

Meteorological Station Data

Stations	Station No.	Year	X Coordinate [m]	Y Coordinate [m]	Station Name
Surface		2012			
Upper Air		2012			

Data Period

Data Period to Process

Start Date: 1/1/2012 Start Hour: 1 End Date: 12/31/2016 End Hour: 24

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Output Pathway

Tabular Printed Outputs

Short Term Averaging Period	RECTABLE Highest Values Table										MAXTABLE Maximum Values Table	DAYTABLE Daily Values Table
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
1	■	☐	☐	☐	☐	☐	☐	☐	☐	☐		No

Contour Plot Files (PLOTFILE)

Path for PLOTFILES: RIO VISTA AERMOD.AD

Averaging Period	Source Group ID	High Value	File Name
1	ALL	1st	01H1GALL.PLT
Period	ALL	N/A	PE00GALL.PLT

Results Summary

C:\Lakes\AERMOD View\Projects\Rio Vista\Rio Vista.isc

DPM - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	0.34645	ug/m^3	460178.00	3763570.00	276.50	0.00	579.20	8/29/2013, 6
PERIOD		0.05079	ug/m^3	460178.00	3763570.00	276.50	0.00	579.20	

Sensitive Receptor Summary

C:\Lakes\AERMOD View\Projects\Rio Vista\Rio Vista.isc

DPM - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
1-HR	1ST	0.01545	ug/m^3	REC1	461830.67	3763731.59	318.75	0.00	525.86	8/25/2014, 3
1-HR	1ST	0.00596	ug/m^3		462018.48	3763743.11	348.15	0.00	525.86	8/29/2013, 7
1-HR	1ST	0.01485	ug/m^3		461888.52	3764798.07	329.96	0.00	579.24	6/28/2013, 3
1-HR	1ST	0.01810	ug/m^3		461974.32	3764838.71	335.52	0.00	579.24	5/8/2013, 6
1-HR	1ST	0.01778	ug/m^3		462066.15	3765088.60	346.13	0.00	579.24	5/15/2013, 6
1-HR	1ST	0.02341	ug/m^3		462075.18	3765184.95	356.35	0.00	579.24	8/25/2013, 6
1-HR	1ST	0.02687	ug/m^3		462154.66	3765361.50	357.04	0.00	579.24	5/9/2013, 6
1-HR	1ST	0.02411	ug/m^3		462108.61	3765265.86	357.68	0.00	579.24	5/15/2012, 6
1-HR	1ST	0.03291	ug/m^3		462259.17	3765451.83	373.76	0.00	579.24	3/30/2012, 7
1-HR	1ST	0.03975	ug/m^3		462379.61	3765466.00	375.05	0.00	579.24	7/10/2012, 6
1-HR	1ST	0.01785	ug/m^3		462571.99	3765436.88	390.15	0.00	523.41	6/29/2013, 6
1-HR	1ST	0.03259	ug/m^3		462257.74	3765453.87	373.88	0.00	579.24	7/12/2014, 6
1-HR	1ST	0.02878	ug/m^3		462058.99	3764694.79	334.56	0.00	579.24	12/23/2016, 8
1-HR	1ST	0.02340	ug/m^3		461923.91	3764627.25	326.70	0.00	579.24	6/12/2012, 3
1-HR	1ST	0.00942	ug/m^3		461932.80	3764365.79	359.37	0.00	525.86	7/24/2015, 6
PERIOD		0.00058	ug/m^3	REC1	461830.67	3763731.59	318.75	0.00	525.86	
PERIOD		0.00028	ug/m^3		462018.48	3763743.11	348.15	0.00	525.86	
PERIOD		0.00163	ug/m^3		461888.52	3764798.07	329.96	0.00	579.24	
PERIOD		0.00208	ug/m^3		461974.32	3764838.71	335.52	0.00	579.24	
PERIOD		0.00241	ug/m^3		462066.15	3765088.60	346.13	0.00	579.24	

Sensitive Receptor Summary

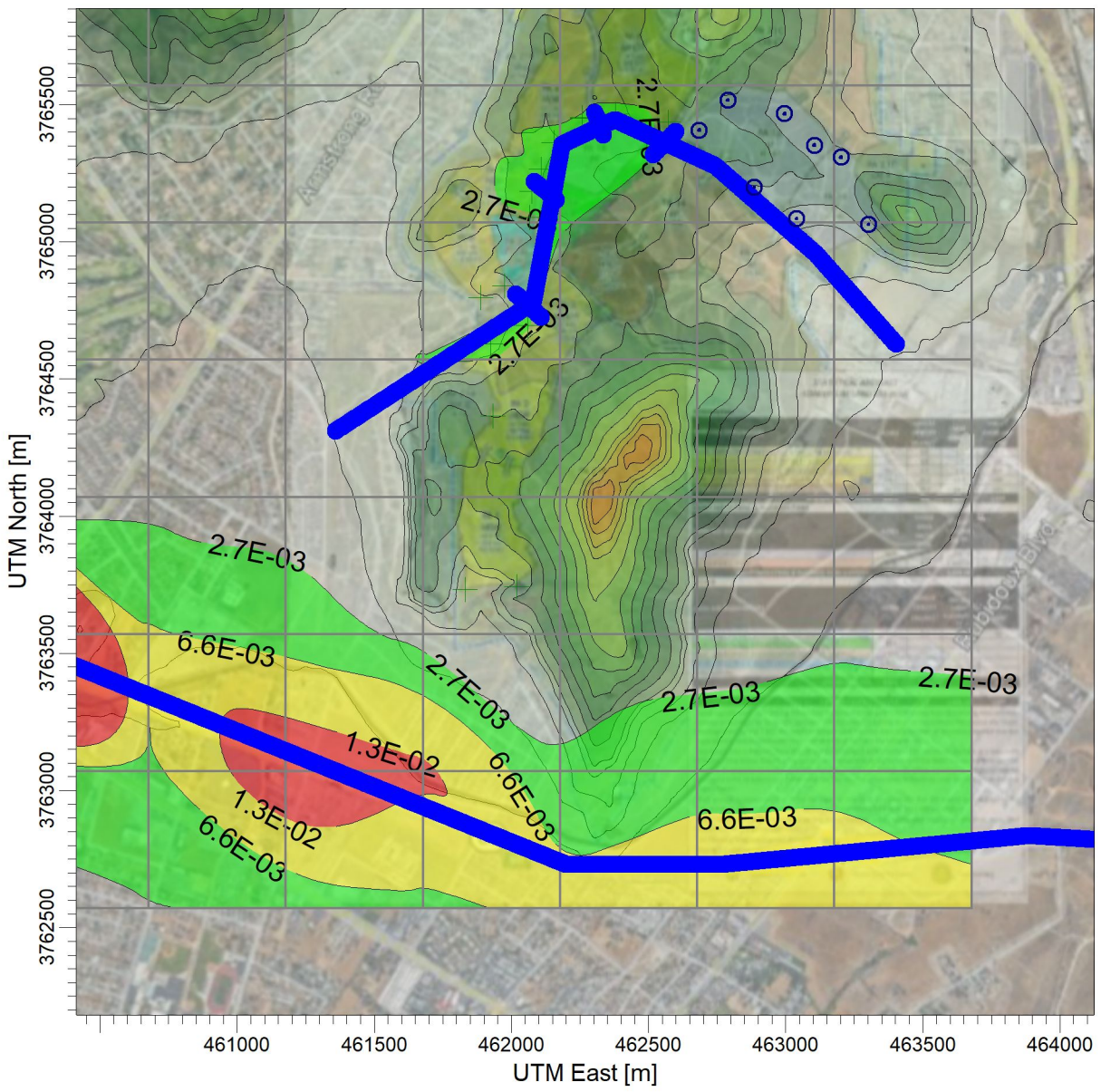
C:\Lakes\AERMOD View\Projects\Rio Vista\Rio Vista.isc

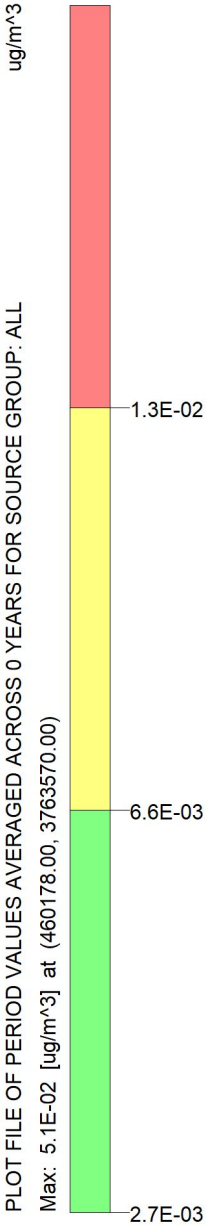
DPM - Concentration - Source Group: ALL

Averaging Period	Rank	Peak	Units	Receptor ID	X (m)	Y (m)	ZELEV (m)	ZFLAG (m)	ZHILL (m)	Peak Date, Start Hour
PERIOD		0.00373	ug/m^3		462075.18	3765184.95	356.35	0.00	579.24	
PERIOD		0.00338	ug/m^3		462154.66	3765361.50	357.04	0.00	579.24	
PERIOD		0.00299	ug/m^3		462108.61	3765265.86	357.68	0.00	579.24	
PERIOD		0.00290	ug/m^3		462259.17	3765451.83	373.76	0.00	579.24	
PERIOD		0.00393	ug/m^3		462379.61	3765466.00	375.05	0.00	579.24	
PERIOD		0.00222	ug/m^3		462571.99	3765436.88	390.15	0.00	523.41	
PERIOD		0.00278	ug/m^3		462257.74	3765453.87	373.88	0.00	579.24	
PERIOD		0.00281	ug/m^3		462058.99	3764694.79	334.56	0.00	579.24	
PERIOD		0.00338	ug/m^3		461923.91	3764627.25	326.70	0.00	579.24	
PERIOD		0.00034	ug/m^3		461932.80	3764365.79	359.37	0.00	525.86	

PROJECT TITLE:

C:\Lakes\AERMOD View\Projects\Rio Vista\Rio Vista.isc





COMMENTS:

SOURCES:

19

RECEPTORS:

95

OUTPUT TYPE:

Concentration

MAX:

5.1E-02 ug/m^3

COMPANY NAME:

MODELER:

DATE:

5/30/2022

SCALE: 1:25,000

0 0.5 km

PROJECT NO.:

Rio Vista

Estimation of DPM Emissions Along US 60

Traffic Impact Analysis - EPD Solutions, Inc., 2022

Segment	Project Trips	Total Trucks	LDA/LDT/MDT	% LDA/LDT/MDT	% Trucks
Riverside County, Rubidoux Blvd	145000	11759	133241	91.9%	8.1%

Adjusted Fleet Mix

	Riverside County CalEEMod Fleet Mix	Daily Trips
LDA	54.3%	78755
LDT1	6.1%	8809
LDT2	18.5%	26790
MDV	13.0%	18887
Total	91.9%	133241
LHD1	2.4%	3455
LHD2	0.6%	921
Total	3.0%	4377
MHDT	1.2%	1699
HHDT	0.9%	1325

Diesel Vehicle Distribution (from URBEMIS: 2023 in SCAQMD)

	% Diesel	Daily Diesel Vehicles
LDA	0.0%	0
LDT1	1.5%	132
LDT2	0.0%	0
MDV	0.0%	0
LHDT1	18.8%	650
LHDT2	40.0%	368
MHDT	77.8%	1322
HHDT	100.0%	1325

Vehicle Speed/1-year Average DPM Emission Factor (2034) from EMFAC2021 for the Riverside Region

	Speed (mph)	Emission Factor (g/mi)
LDA	55	0.001001
LDT1	55	0.004200
LDT2	55	0.003165
MDV	55	0.007679
LHDT1	55	0.011588
LHDT2	55	0.001257
MHDT	55	0.009910
HHDT	55	0.021531

Vehicle Emissions

Vehicle Emissions = Emission Factor (g/mi) x Mile/Trip x Trip/Day

Length of Roadway Segment 4828.0 meters or
3.000 miles

Assumption: over an annual period, traffic is assumed to be uniformly distributed during the day

	Daily Emissions (g/day)	Hourly Emissions (g/sec)
LDA	0.0	0.00E+00
LDT1	1.7	1.93E-05
LDT2	0.0	0.00E+00
MDV	0.0	0.00E+00
LHDT1	22.6	2.61E-04
LHDT2	1.4	1.61E-05
MHDT	39.3	4.55E-04
HHDT	85.6	9.90E-04
Total	150.5	**1.74E-03**

Rio Vista

Estimation of DPM Emissions Onsite

Traffic Impact Analysis - EPD Solutions, Inc., 2022

Segment	Project Trips	Total Trucks	LDA/LDT/MDT	% LDA/LDT/MDT	% Trucks
Onsite Roadway	37315	3026	34289	91.9%	8.1%

Adjusted Fleet Mix

	Riverside County CalEEMod Fleet Mix	Daily Trips
LDA	54.3%	20267
LDT1	6.1%	2267
LDT2	18.5%	6894
MDV	13.0%	4861
Total	91.9%	34289
LHD1	2.4%	889
LHD2	0.6%	237
Total	3.0%	1126
MHDT	1.2%	437
HHDT	0.9%	341

Diesel Vehicle Distribution (from URBEMIS: 2023 in SCAQMD)

	% Diesel	Daily Diesel Vehicles
LDA	0.0%	0
LDT1	1.5%	34
LDT2	0.0%	0
MDV	0.0%	0
LHDT1	18.8%	167
LHDT2	40.0%	95
MHDT	77.8%	340
HHDT	100.0%	341

Vehicle Speed/1-year Average DPM Emission Factor (2034) from EMFAC2021 for the Riverside Region

	Speed (mph)	Emission Factor (g/mi)
LDA	35	0.001323
LDT1	35	0.005328
LDT2	35	0.004220
MDV	35	0.009595
LHDT1	35	0.014814
LHDT2	35	0.001654
MHDT	35	0.003661
HHDT	35	0.007916

Vehicle Emissions

Vehicle Emissions = Emission Factor (g/mi) x Mile/Trip x Trip/Day

Length of Roadway Segment 2816.4 meters or
1.750 miles

Assumption: over an annual period, traffic is assumed to be uniformly distributed during the day

	Daily Emissions (g/day)	Hourly Emissions (g/sec)		
LDA	0.0	0.00E+00		
LDT1	0.3	3.67E-06		
LDT2	0.0	0.00E+00		
MDV	0.0	0.00E+00		
LHDT1	4.3	5.02E-05		
LHDT2	0.3	3.18E-06		
MHDT	2.2	2.52E-05		
HHDT	4.7	5.47E-05		
			Truck	Car
Total	11.8	**1.37E-04**	**1.33E-04**	**3.67E-06**

Rio Vista

Estimation of DPM Emissions Onsite - 15 mph

Traffic Impact Analysis - EPD Solutions, Inc., 2022

Segment	Project Trips	Total Trucks	LDA/LDT/MDT	% LDA/LDT/MDT	% Trucks
Onsite Roadway	37315	3026	34289	91.9%	8.1%

Adjusted Fleet Mix

	Riverside County CalEEMod Fleet Mix	Daily Trips
LDA	54.3%	20267
LDT1	6.1%	2267
LDT2	18.5%	6894
MDV	13.0%	4861
Total	91.9%	34289
LHD1	2.4%	889
LHD2	0.6%	237
Total	3.0%	1126
MHDT	1.2%	437
HHDT	0.9%	341

Diesel Vehicle Distribution (from URBEMIS: 2023 in SCAQMD)

	% Diesel	Daily Diesel Vehicles
LDA	0.0%	0
LDT1	1.5%	34
LDT2	0.0%	0
MDV	0.0%	0
LHDT1	18.8%	167
LHDT2	40.0%	95
MHDT	77.8%	340
HHDT	100.0%	341

Vehicle Speed/1-year Average DPM Emission Factor (2034) from EMFAC2021 for the Riverside Region

	Speed (mph)	Emission Factor (g/mi)
LDA	15	0.002291
LDT1	15	0.009775
LDT2	15	0.007214
MDV	15	0.017980
LHDT1	15	0.026883
LHDT2	15	0.002881
MHDT	15	0.003536
HHDT	15	0.007625

Vehicle Emissions

Vehicle Emissions = Emission Factor (g/mi) x Mile/Trip x Trip/Day

Length of Roadway Segment 80.5 meters or
0.050 miles

Assumption: over an annual period, traffic is assumed to be uniformly distributed during the day

	Daily Emissions (g/day)	Hourly Emissions (g/sec)		
LDA	0.0	0.00E+00		
LDT1	0.0	1.92E-07		
LDT2	0.0	0.00E+00		
MDV	0.0	0.00E+00		
LHDT1	0.2	2.60E-06		
LHDT2	0.0	1.58E-07		
MHDT	0.1	6.96E-07		
HHDT	0.1	1.50E-06		
			Per 0.05 miles	
Total	0.4	**5.15E-06**	**4.96E-06**	**1.92E-07**

Rio Vista Specific Plan

Estimation of DPM Emissions from Truck Idling from Industrial Uses

Traffic Impact Analysis - EPD Solutions, Inc., 2022

Segment	Back AADT	Total Trucks	LDA/LDT/MDT	% LDA/LDT/MDT	% Trucks	2 axle	2 axle % Trucks	3 axle	3 axle % Trucks	4+ axle	4+ Axle % Trucks
Industrial Trips	2703	482	2221	82.2%	17.8%	88	18.3%	118	24.4%	276	57.3%

Diesel Vehicle Distribution

Vehicle Mix
2 axle trucks = LHDT1 and LHDT2
3 axle trucks = MHDT
4+ axle trucks = HHDT

Adjusted Fleet Mix	Riverside County CalEEMod Fleet Mix	Adjusted Fleet Mix by Category	Daily Trips	Adjusted Overall Industrial Fleet Mix
LDA	54.3%	59.1%	1313	48.57%
LDT1	6.1%	6.6%	147	5.43%
LDT2	18.5%	20.1%	447	16.52%
MDV	13.0%	14.2%	315	11.65%
Total	91.9%	100.0%	2221	
LHD1	2.4%	79.0%	**70**	2.58%
LHD2	0.6%	21.0%	**19**	0.69%
Total	3.0%	100.0%	88	
MHDT			**118**	4.35%
HHDT			**276**	10.21%
Total - All Vehicles			2703	100.00%

Diesel Truck Idling Emissions

Onsite Vehicle Travel Segments	Truck Type	DPM Emission Factor (grams/trip)	Idling Time (min)	Number Idling Vehicle Trips/day	Emissions (g/day)	Emissions (lb/day)	Average Emissions (g/sec)	Emissions for All Vehicles (g/sec)
Idle1 - Idle8	LHDT1	0.000799	15	8.7	6.97E-03	1.54E-05	8.07E-08	
	LHDT2	0.001274	15	2.3	2.96E-03	6.53E-06	3.43E-08	
	MHDT	0.001075	15	14.7	1.58E-02	3.48E-05	1.83E-07	
	HHDT	0.003742	15	34.5	1.29E-01	2.85E-04	1.49E-06	1.79207E-06

Rio Vista

Estimation of DPM Emissions Onsite - 15 mph

Traffic Impact Analysis - EPD Solutions, Inc., 2022

Segment	Project Trips	Total Trucks	LDA/LDT/MDT	% LDA/LDT/MDT	% Trucks
Onsite Roadway	37315	3026	34289	91.9%	8.1%

Adjusted Fleet Mix

	Riverside County CalEEMod Fleet Mix	Daily Trips
LDA	54.3%	20267
LDT1	6.1%	2267
LDT2	18.5%	6894
MDV	13.0%	4861
Total	91.9%	34289
LHD1	2.4%	889
LHD2	0.6%	237
Total	3.0%	1126
MHDT	1.2%	437
HHDT	0.9%	341

Diesel Vehicle Distribution (from URBEMIS: 2023 in SCAQMD)

	% Diesel	Daily Diesel Vehicles
LDA	0.0%	0
LDT1	1.5%	34
LDT2	0.0%	0
MDV	0.0%	0
LHDT1	18.8%	167
LHDT2	40.0%	95
MHDT	77.8%	340
HHDT	100.0%	341

Vehicle Speed/1-year Average DPM Emission Factor (2034) from EMFAC2021 for the Riverside Region

	Speed (mph)	Emission Factor (g/mi)
LDA	15	0.002291
LDT1	15	0.009775
LDT2	15	0.007214
MDV	15	0.017980
LHDT1	15	0.026883
LHDT2	15	0.002881
MHDT	15	0.003536
HHDT	15	0.007625

Vehicle Emissions

Vehicle Emissions = Emission Factor (g/mi) x Mile/Trip x Trip/Day

Length of Roadway Segment 80.5 meters or
0.050 miles

Assumption: over an annual period, traffic is assumed to be uniformly distributed during the day

	Daily Emissions (g/day)	Hourly Emissions (g/sec)		
LDA	0.0	0.00E+00		
LDT1	0.0	1.92E-07		
LDT2	0.0	0.00E+00		
MDV	0.0	0.00E+00		
LHDT1	0.2	2.60E-06		
LHDT2	0.0	1.58E-07		
MHDT	0.1	6.96E-07		
HHDT	0.1	1.50E-06		
			Per 0.05 miles	
Total	0.4	**5.15E-06**	**4.96E-06**	**1.92E-07**

Rio Vista Specific Plan

Estimation of DPM Emissions from Truck Idling from Industrial Uses

Traffic Impact Analysis - EPD Solutions, Inc., 2022

Segment	Back AADT	Total Trucks	LDA/LDT/MDT	% LDA/LDT/MDT	% Trucks	2 axle	2 axle % Trucks	3 axle	3 axle % Trucks	4+ axle	4+ Axle % Trucks
Industrial Trips	2703	482	2221	82.2%	17.8%	88	18.3%	118	24.4%	276	57.3%

Diesel Vehicle Distribution

Vehicle Mix
2 axle trucks = LHDT1 and LHDT2
3 axle trucks = MHDT
4+ axle trucks = HHDT

Adjusted Fleet Mix	Riverside County CalEEMod Fleet Mix	Adjusted Fleet Mix by Category	Daily Trips	Adjusted Overall Industrial Fleet Mix
LDA	54.3%	59.1%	1313	48.57%
LDT1	6.1%	6.6%	147	5.43%
LDT2	18.5%	20.1%	447	16.52%
MDV	13.0%	14.2%	315	11.65%
Total	91.9%	100.0%	2221	
LHD1	2.4%	79.0%	**70**	2.58%
LHD2	0.6%	21.0%	**19**	0.69%
Total	3.0%	100.0%	88	
MHDT			**118**	4.35%
HHDT			**276**	10.21%
Total - All Vehicles			2703	100.00%

Diesel Truck Idling Emissions

Onsite Vehicle Travel Segments	Truck Type	DPM Emission Factor (grams/trip)	Idling Time (min)	Number Idling Vehicle Trips/day	Emissions (g/day)	Emissions (lb/day)	Average Emissions (g/sec)	Emissions for All Vehicles (g/sec)
Idle1 - Idle8	LHDT1	0.000799	15	8.7	6.97E-03	1.54E-05	8.07E-08	
	LHDT2	0.001274	15	2.3	2.96E-03	6.53E-06	3.43E-08	
	MHDT	0.001075	15	14.7	1.58E-02	3.48E-05	1.83E-07	
	HHDT	0.003742	15	34.5	1.29E-01	2.85E-04	1.49E-06	1.79207E-06

Table 1

DPM Vehicular Emission Factors[1]

Vehicle Type	MPH assumed for vehicle type	Average DPM Exhaust Emissions Factor for 2034 (g/mi)
Light Duty Auto (LDA)	55	0.001001
Light Duty Truck 1 (LDT1)	55	0.0042
Light Duty Truck 2 (LDT2)	55	0.003165
Medium Duty Truck (MDV)	55	0.007679
Light-Heavy Duty Truck 1 (LHDT1)	55	0.011588
Light-Heavy Duty Truck 2 (LHDT2)	55	0.001257
Medium-Heavy Duty Truck (MHDT)	55	0.009910
Heavy-Heavy Duty Truck (HHDT)*	55	0.021531

Vehicle Type	MPH assumed for vehicle type	Average DPM Exhaust Emissions Factor for 2034 (g/mi)
Light Duty Auto (LDA)	35	0.001323
Light Duty Truck 1 (LDT1)	35	0.005328
Light Duty Truck 2 (LDT2)	35	0.00422
Medium Duty Truck (MDV)	35	0.009595
Light-Heavy Duty Truck 1 (LHDT1)	35	0.014814
Light-Heavy Duty Truck 2 (LHDT2)	35	0.001654
Medium-Heavy Duty Truck (MHDT)	35	0.003661
Heavy-Heavy Duty Truck (HHDT)*	35	0.007916

Vehicle Type	MPH assumed for vehicle type	Average DPM Exhaust Emissions Factor for 2034 (g/mi)
Light Duty Auto (LDA)	15	0.002291
Light Duty Truck 1 (LDT1)	15	0.009775
Light Duty Truck 2 (LDT2)	15	0.007214
Medium Duty Truck (MDV)	15	0.01798
Light-Heavy Duty Truck 1 (LHDT1)	15	0.026883
Light-Heavy Duty Truck 2 (LHDT2)	15	0.002881
Medium-Heavy Duty Truck (MHDT)	15	0.003536
Heavy-Heavy Duty Truck (HHDT)*	15	0.007625

Notes:

(1) Source: EMFAC2017 for Riverside County.

Table 2
Summary of Emission Configurations

Emission Source Type	Geometric Configuration	Relevant Assumptions
Off-Site Diesel Traffic	Line Sources	Plume height: 12 feet
		Plume width: 12 feet
		Vehicle speed: See Table 1
		Length of the line source (101 Freeway segment southeast of project and Old Redwood Highway north of project)
		Vehicle types: see Table 1
		Emission factor: CARB EMFAC2021
Diesel Truck Idling	Volume Sources	Configuration: 8 sources
		Release height: 10.2 feet (3.1 meters)
		Vehicle type: HHDT diesel trucks
		Emission factors: CalEEMod Version 2020.4.0

Table 3

General Modeling Assumptions - AERMOD Model

Feature	Option Selected
Terrain processing	AERMAP-generated NED GEOTIFF 30 m
Regulatory dispersion options	Default
Land use	Urban
Coordinate system	UTM Zone 10 North
Building downwash	Included in calculations (as applicable)
Receptor height	0 meters above ground per SCAQMD AERMOD guidance
Meteorological data	Sonoma County Airport Meteorological Data

Table 4

Carcinogenic Risks and Non-Carcinogenic 3rd Trimester Exposure Scenario (0.25-Years) 2023

Receptor ID (a)	Maximum Concentration (ug/m3) (b)	Maximum Concentration (mg/m3) (c)	Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards CPF (mg/kg/day) (f)	Carcinogenic Hazards RISK (per million) (g)	Noncarcinogenic Hazards REL (ug/m3) (h)	Noncarcinogenic Hazards RfD (mg/kg/day) (i)	Noncarcinogenic Hazards Index (j)
Maximally Exposed Receptor	0.00393	3.9E-06	1.00E+00	DPM	1.1E+00	0.05	5.0E+00	1.4E-03	0.0008

Note: Exposure factors used to calculate TAC intake for Short-term Exposure

Exposure Frequency (days/year)	350
Exposure Duration (years)	0.25
Daily Breathing Rate	361
Age Sensitivity Factor	10
Fraction of Time At Home (FAH)	1
Averaging Time $_{(cancer)}$ (days)	25550
Averaging Time $_{(non\text{-}cancer)}$ (days)	91.25

Table 5

Carcinogenic Risks and Non-Carcinogenic Infant Exposure Scenario (2-Year)
2024-2025

Receptor ID (a)	Maximum Concentration (ug/m3) (b)	Maximum Concentration (mg/m3) (c)	Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards CPF (mg/kg/day) (f)	Carcinogenic Hazards RISK (per million) (g)	Noncarcinogenic Hazards REL (ug/m3) (h)	Noncarcinogenic Hazards RfD (mg/kg/day) (i)	Noncarcinogenic Hazards Index (j)
Maximally Exposed Receptor	0.00393	3.9E-06	1.00E+00	DPM	1.1E+00	**1.29**	5.0E+00	1.4E-03	0.0008

Note: Exposure factors used to calculate TAC intake for Short-term Exposure

Exposure Frequency (days/year)	350
Exposure Duration (years)	2.00
Daily Breathing Rate	1090
Age Sensitivity Factor	10
Fraction of Time At Home (FAH)	1
Averaging Time $_{(cancer)}$ (days)	25550
Averaging Time $_{(non\text{-}cancer)}$ (days)	730

Table 6

Carcinogenic Risks and Non-Carcinogenic Child Exposure Scenario
2026-2039

Receptor ID (a)	Maximum Concentration (ug/m3) (b)	Maximum Concentration (mg/m3) (c)	Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards CPF (mg/kg/day) (f)	Carcinogenic Hazards RISK (per million) (g)	Noncarcinogenic Hazards REL (ug/m3) (h)	Noncarcinogenic Hazards RfD (mg/kg/day) (i)	Noncarcinogenic Hazards Index (j)
Maximally Exposed Receptor	0.00393	3.9E-06	1.00E+00	DPM	1.1E+00	1.48	5.0E+00	1.4E-03	0.0008

Note: Exposure factors used to calculate TAC intake

Exposure Frequency (days/year)	365
Exposure Duration (years)	14
Daily Breathing Rate	572
Age Sensitivity Factor	3
Fraction of Time At Home (FAH)	1
Averaging Time $_{(cancer)}$ (days)	25550
Averaging Time $_{(non\text{-}cancer)}$ (days)	5110

Table 7

Carcinogenic Risks and Non-Carcinogenic Hazards
Adult Exposure Scenario (14 Year)

Receptor ID (a)	Maximum Concentration (ug/m3) (b)	Maximum Concentration (mg/m3) (c)	Weight Fraction (d)	Contaminant (e)	Carcinogenic Hazards CPF (mg/kg/day) (f)	Carcinogenic Hazards RISK (per million) (g)	Noncarcinogenic Hazards REL (ug/m3) (h)	Noncarcinogenic Hazards RfD (mg/kg/day) (i)	Noncarcinogenic Hazards Index (j)
Maximally Exposed Receptor	0.00393	3.9E-06	1.00E+00	DPM	1.1E+00	0.16	5.0E+00	1.4E-03	0.0008

Note: Exposure factors used to calculate TAC intake

Exposure Frequency (days/year)	350
Exposure Duration (years)	14
Daily Breathing Rate	261
Age Sensitivity Factor	1
Fraction of Time At Home (FAH)	0.73
Averaging Time $_{(cancer)}$ (days)	25550
Averaging Time $_{(non\text{-}cancer)}$ (days)	5110

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	0.72	1000sqft	0.02	720.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.4	**Precipitation Freq (Days)**	28
Climate Zone	10			**Operational Year**	2024
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 -

Land Use -

Construction Phase -

Trips and VMT - Note 5

Demolition - Note 4

Grading - Note 4

Architectural Coating - Note 6

Vehicle Trips - Note 5, Note 7

Woodstoves - Note 8

Area Coating -

Energy Use - Note 8

Construction Off-road Equipment Mitigation - Note 9

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Energy Mitigation - Note 10

Fleet Mix - Note 7

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

2.0 Emissions Summary

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					
2024	3.7900e-003	3.0500e-003	4.5300e-003	1.0000e-005	0.0000	1.5000e-004	1.5000e-004	0.0000	1.5000e-004	1.5000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Maximum	**3.7900e-003**	**3.0500e-003**	**4.5300e-003**	**1.0000e-005**	**0.0000**	**1.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**1.5000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

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

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					
2024	3.7900e-003	3.0500e-003	4.5300e-003	1.0000e-005	0.0000	1.5000e-004	1.5000e-004	0.0000	1.5000e-004	1.5000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Maximum	**3.7900e-003**	**3.0500e-003**	**4.5300e-003**	**1.0000e-005**	**0.0000**	**1.5000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**1.5000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.0049	0.0049
		Highest	0.0049	0.0049

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	2.9400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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Energy	1.0000e-005	1.2000e-004	1.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	1.3053	1.3053	1.0000e-004	1.0000e-005	1.3121
Mobile	2.5200e-003	4.0000e-003	0.0257	6.0000e-005	6.4700e-003	5.0000e-005	6.5200e-003	1.7300e-003	5.0000e-005	1.7700e-003	0.0000	5.6364	5.6364	3.0000e-004	2.8000e-004	5.7282
Waste						0.0000	0.0000		0.0000	0.0000	0.1360	0.0000	0.1360	8.0400e-003	0.0000	0.3369
Water						0.0000	0.0000		0.0000	0.0000	0.0406	0.4500	0.4906	4.2100e-003	1.0000e-004	0.6266
Total	**5.4700e-003**	**4.1200e-003**	**0.0258**	**6.0000e-005**	**6.4700e-003**	**6.0000e-005**	**6.5300e-003**	**1.7300e-003**	**6.0000e-005**	**1.7800e-003**	**0.1766**	**7.3917**	**7.5683**	**0.0127**	**3.9000e-004**	**8.0038**

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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	2.9400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	1.0000e-005	1.2000e-004	1.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	-6.3459	-6.3459	-0.0005	-0.0001	-6.3785
Mobile	2.5200e-003	4.0000e-003	0.0257	6.0000e-005	6.4700e-003	5.0000e-005	6.5200e-003	1.7300e-003	5.0000e-005	1.7700e-003	0.0000	5.6364	5.6364	3.0000e-004	2.8000e-004	5.7282
Waste						0.0000	0.0000		0.0000	0.0000	0.1360	0.0000	0.1360	8.0400e-003	0.0000	0.3369
Water						0.0000	0.0000		0.0000	0.0000	0.0406	0.4500	0.4906	4.2100e-003	1.0000e-004	0.6266
Total	**5.4700e-003**	**4.1200e-003**	**0.0258**	**6.0000e-005**	**6.4700e-003**	**6.0000e-005**	**6.5300e-003**	**1.7300e-003**	**6.0000e-005**	**1.7800e-003**	**0.1766**	**-0.2594**	**-0.0828**	**0.0120**	**3.2000e-004**	**0.3132**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**	**103.51**	**101.09**	**5.06**	**17.95**	**96.09**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	1/1/2024	1/5/2024	5	5	

Acres of Grading (Site Preparation Phase): 0

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

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,080; Non-Residential Outdoor: 360; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 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	3.3400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-004	3.0500e-003	4.5300e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392

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Total	**3.7900e-003**	**3.0500e-003**	**4.5300e-003**	**1.0000e-005**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

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	0.0000	0.0000	0.0000	0.0000	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**

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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	3.3400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5000e-004	3.0500e-003	4.5300e-003	1.0000e-005		1.5000e-004	1.5000e-004		1.5000e-004	1.5000e-004	0.0000	0.6383	0.6383	4.0000e-005	0.0000	0.6392
Total	**3.7900e-003**	**3.0500e-003**	**4.5300e-003**	**1.0000e-005**		**1.5000e-004**	**1.5000e-004**		**1.5000e-004**	**1.5000e-004**	**0.0000**	**0.6383**	**0.6383**	**4.0000e-005**	**0.0000**	**0.6392**

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**

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.5200e-003	4.0000e-003	0.0257	6.0000e-005	6.4700e-003	5.0000e-005	6.5200e-003	1.7300e-003	5.0000e-005	1.7700e-003	0.0000	5.6364	5.6364	3.0000e-004	2.8000e-004	5.7282
Unmitigated	2.5200e-003	4.0000e-003	0.0257	6.0000e-005	6.4700e-003	5.0000e-005	6.5200e-003	1.7300e-003	5.0000e-005	1.7700e-003	0.0000	5.6364	5.6364	3.0000e-004	2.8000e-004	5.7282

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	7.01	1.59	0.50	17,101	17,101
Total	7.01	1.59	0.50	17,101	17,101

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH

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General Office Building	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Kilowatt Hours of Renewable Electricity Generated

	ROG	NOx	CO	SO2	Fugitive 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	-6.4777	-6.4777	-0.0006	-0.0001	-6.5111
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1.1735	1.1735	1.0000e-004	1.0000e-005	1.1795
NaturalGas Mitigated	1.0000e-005	1.2000e-004	1.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1318	0.1318	0.0000	0.0000	0.1326
NaturalGas Unmitigated	1.0000e-005	1.2000e-004	1.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1318	0.1318	0.0000	0.0000	0.1326

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	2469.6	1.0000e-005	1.2000e-004	1.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1318	0.1318	0.0000	0.0000	0.1326
Total		**1.0000e-005**	**1.2000e-004**	**1.0000e-004**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.1318**	**0.1318**	**0.0000**	**0.0000**	**0.1326**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	2469.6	1.0000e-005	1.2000e-004	1.0000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1318	0.1318	0.0000	0.0000	0.1326
Total		**1.0000e-005**	**1.2000e-004**	**1.0000e-004**	**0.0000**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.1318**	**0.1318**	**0.0000**	**0.0000**	**0.1326**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
General Office Building	6616.8		1.1735	1.0000e-004	1.0000e-005	1.1795
Total			**1.1735**	**1.0000e-004**	**1.0000e-005**	**1.1795**

Mitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
General Office Building	-36525.6		-6.4777	-0.0006	-0.0001	-6.5111
Total			**-6.4777**	**-0.0006**	**-0.0001**	**-6.5111**

6.0 Area Detail

6.1 Mitigation Measures Area

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	2.9400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	2.9400e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

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	3.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	**2.9300e-003**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**2.0000e-005**

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

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	3.3000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.6000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	**2.9300e-003**	**0.0000**	**1.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.0000**	**2.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

		Total CO2	CH4	N2O	CO2e
Category	tons/yr	MT/yr			
Mitigated		0.4906	4.2100e-003	1.0000e-004	0.6266
Unmitigated		0.4906	4.2100e-003	1.0000e-004	0.6266

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	tons/yr	MT/yr			
General Office Building	0.127968 / 0.0784322		0.4906	4.2100e-003	1.0000e-004	0.6266
Total			**0.4906**	**4.2100e-003**	**1.0000e-004**	**0.6266**

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

Mitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
General Office Building	0.127968 / 0.0784322		0.4906	4.2100e-003	1.0000e-004	0.6266
Total			**0.4906**	**4.2100e-003**	**1.0000e-004**	**0.6266**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

		Total CO2	CH4	N2O	CO2e
	tons/yr	MT/yr			
Mitigated		0.1360	8.0400e-003	0.0000	0.3369
Unmitigated		0.1360	8.0400e-003	0.0000	0.3369

8.2 Waste by Land Use

Unmitigated

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
General Office Building	0.67		0.1360	8.0400e-003	0.0000	0.3369
Total			**0.1360**	**8.0400e-003**	**0.0000**	**0.3369**

Mitigated

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
General Office Building	0.67		0.1360	8.0400e-003	0.0000	0.3369
Total			**0.1360**	**8.0400e-003**	**0.0000**	**0.3369**

9.0 Operational Offroad

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

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

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