

Prospect Villas - South Coast Air Basin, Summer

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

**Prospect Villas
South Coast Air Basin, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	147.00	Space	0.00	58,800.00	0
Apartments Mid Rise	75.00	Dwelling Unit	0.80	75,000.00	215
Strip Mall	6.35	1000sqft	0.15	6,346.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	9	Operational Year	2023		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	390.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - site size is 0.95 acres, parking on lower levels
 Construction Phase - grading phase extended from 2 days to 5 to account for 1,220 CY import
 Grading - 1220 CY import
 Vehicle Trips - trip rates per traffic report
 Construction Off-road Equipment Mitigation -
 Area Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	10.00

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tblConstructionPhase	NumDays	2.00	5.00
tblConstructionPhase	PhaseEndDate	2/2/2022	1/26/2022
tblConstructionPhase	PhaseStartDate	6/30/2022	6/23/2022
tblConstructionPhase	PhaseStartDate	2/1/2022	1/20/2022
tblGrading	AcresOfGrading	3.75	1.50
tblGrading	MaterialImported	0.00	1,220.00
tblLandUse	LotAcreage	1.32	0.00
tblLandUse	LotAcreage	1.97	0.80
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	153.00	152.00
tblVehicleTrips	ST_TR	4.91	4.45
tblVehicleTrips	ST_TR	42.04	50.90
tblVehicleTrips	SU_TR	4.09	4.45
tblVehicleTrips	SU_TR	20.43	50.90
tblVehicleTrips	WD_TR	5.44	4.45
tblVehicleTrips	WD_TR	44.32	50.90

2.0 Emissions Summary

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	21.6213	1.6276	44.3460	0.0976		5.7634	5.7634		5.7634	5.7634	702.5189	1,361.1750	2,063.6939	2.1059	0.0477	2,130.5493
Energy	0.0293	0.2502	0.1076	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.2065	319.2065	6.1200e-003	5.8500e-003	321.1034
Mobile	2.0384	2.2402	21.2751	0.0481	4.9297	0.0338	4.9635	1.3136	0.0314	1.3450		4,905.2266	4,905.2266	0.2973	0.1987	4,971.8605
Total	23.6889	4.1180	65.7288	0.1474	4.9297	5.8175	10.7471	1.3136	5.8151	7.1287	702.5189	6,585.6081	7,288.1269	2.4092	0.2522	7,423.5132

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	2.0996	1.1912	6.6811	7.4700e-003		0.1248	0.1248		0.1248	0.1248	0.0000	1,440.5868	1,440.5868	0.0382	0.0262	1,449.3511
Energy	0.0293	0.2502	0.1076	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.2065	319.2065	6.1200e-003	5.8500e-003	321.1034
Mobile	2.0384	2.2402	21.2751	0.0481	4.9297	0.0338	4.9635	1.3136	0.0314	1.3450		4,905.2266	4,905.2266	0.2973	0.1987	4,971.8605
Total	4.1672	3.6816	28.0639	0.0572	4.9297	0.1789	5.1085	1.3136	0.1765	1.4901	0.0000	6,665.0198	6,665.0198	0.3416	0.2307	6,742.3150

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	82.41	10.60	57.30	61.18	0.00	96.93	52.47	0.00	96.96	79.10	100.00	-1.21	8.55	85.82	8.51	9.18

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	1/20/2022	1/26/2022	5	5	
2	Building Construction	Building Construction	2/3/2022	6/22/2022	5	100	
3	Paving	Paving	6/23/2022	6/29/2022	5	5	
4	Architectural Coating	Architectural Coating	6/23/2022	7/6/2022	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 151,875; Residential Outdoor: 50,625; Non-Residential Indoor: 9,519; Non-Residential Outdoor: 3,173; Striped Parking Area: 3,528 (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
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Grading	Graders	1	6.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38

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Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37

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
Grading	3	8.00	0.00	152.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	81.00	19.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	19.80	7.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.8623	0.0000	4.8623	2.5212	0.0000	2.5212			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	4.8623	0.5173	5.3796	2.5212	0.4759	2.9971		1,364.8198	1,364.8198	0.4414		1,375.8551

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3.2 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1329	4.8868	1.1617	0.0185	0.5315	0.0390	0.5705	0.1457	0.0373	0.1830		2,041.6275	2,041.6275	0.1208	0.3245	2,141.3334
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	0.0330	0.0246	0.3958	1.0800e-003	0.1204	7.1000e-004	0.1211	0.0319	6.5000e-004	0.0326		109.4836	109.4836	2.5500e-003	2.4600e-003	110.2811
Total	0.1659	4.9115	1.5575	0.0196	0.6520	0.0397	0.6916	0.1776	0.0379	0.2155		2,151.1110	2,151.1110	0.1234	0.3269	2,251.6145

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1880	0.0000	2.1880	1.1345	0.0000	1.1345			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
Total	1.0832	12.0046	5.9360	0.0141	2.1880	0.5173	2.7053	1.1345	0.4759	1.6104	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551

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3.2 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1329	4.8868	1.1617	0.0185	0.5315	0.0390	0.5705	0.1457	0.0373	0.1830		2,041.6275	2,041.6275	0.1208	0.3245	2,141.3334
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	0.0330	0.0246	0.3958	1.0800e-003	0.1204	7.1000e-004	0.1211	0.0319	6.5000e-004	0.0326		109.4836	109.4836	2.5500e-003	2.4600e-003	110.2811
Total	0.1659	4.9115	1.5575	0.0196	0.6520	0.0397	0.6916	0.1776	0.0379	0.2155		2,151.1110	2,151.1110	0.1234	0.3269	2,251.6145

3.3 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422		1,103.9393	1,103.9393	0.3570		1,112.8652

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3.3 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0380	0.9951	0.3204	4.1300e-003	0.1392	0.0104	0.1496	0.0401	9.9800e-003	0.0500		444.8603	444.8603	0.0164	0.0645	464.5035
Worker	0.3339	0.2495	4.0071	0.0110	1.2192	7.1600e-003	1.2264	0.3233	6.6000e-003	0.3299		1,108.5209	1,108.5209	0.0258	0.0249	1,116.5960
Total	0.3719	1.2447	4.3275	0.0151	1.3584	0.0176	1.3760	0.3634	0.0166	0.3799		1,553.3812	1,553.3812	0.0422	0.0895	1,581.0994

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652
Total	0.6863	7.0258	7.1527	0.0114		0.3719	0.3719		0.3422	0.3422	0.0000	1,103.9393	1,103.9393	0.3570		1,112.8652

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3.3 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0380	0.9951	0.3204	4.1300e-003	0.1392	0.0104	0.1496	0.0401	9.9800e-003	0.0500		444.8603	444.8603	0.0164	0.0645	464.5035
Worker	0.3339	0.2495	4.0071	0.0110	1.2192	7.1600e-003	1.2264	0.3233	6.6000e-003	0.3299		1,108.5209	1,108.5209	0.0258	0.0249	1,116.5960
Total	0.3719	1.2447	4.3275	0.0151	1.3584	0.0176	1.3760	0.3634	0.0166	0.3799		1,553.3812	1,553.3812	0.0422	0.0895	1,581.0994

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758		1,035.8246	1,035.8246	0.3017		1,043.3677

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3.4 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0742	0.0555	0.8905	2.4400e-003	0.2709	1.5900e-003	0.2725	0.0719	1.4700e-003	0.0733		246.3380	246.3380	5.7400e-003	5.5400e-003	248.1324
Total	0.0742	0.0555	0.8905	2.4400e-003	0.2709	1.5900e-003	0.2725	0.0719	1.4700e-003	0.0733		246.3380	246.3380	5.7400e-003	5.5400e-003	248.1324

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6469	5.9174	7.0348	0.0113		0.2961	0.2961		0.2758	0.2758	0.0000	1,035.8246	1,035.8246	0.3017		1,043.3677

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3.4 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0742	0.0555	0.8905	2.4400e-003	0.2709	1.5900e-003	0.2725	0.0719	1.4700e-003	0.0733		246.3380	246.3380	5.7400e-003	5.5400e-003	248.1324
Total	0.0742	0.0555	0.8905	2.4400e-003	0.2709	1.5900e-003	0.2725	0.0719	1.4700e-003	0.0733		246.3380	246.3380	5.7400e-003	5.5400e-003	248.1324

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.4474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	54.6519	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0660	0.0493	0.7915	2.1700e-003	0.2408	1.4200e-003	0.2423	0.0639	1.3000e-003	0.0652		218.9671	218.9671	5.1000e-003	4.9200e-003	220.5622
Total	0.0660	0.0493	0.7915	2.1700e-003	0.2408	1.4200e-003	0.2423	0.0639	1.3000e-003	0.0652		218.9671	218.9671	5.1000e-003	4.9200e-003	220.5622

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	54.4474					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	54.6519	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Prospect Villas - South Coast Air Basin, Summer

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

3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0660	0.0493	0.7915	2.1700e-003	0.2408	1.4200e-003	0.2423	0.0639	1.3000e-003	0.0652		218.9671	218.9671	5.1000e-003	4.9200e-003	220.5622
Total	0.0660	0.0493	0.7915	2.1700e-003	0.2408	1.4200e-003	0.2423	0.0639	1.3000e-003	0.0652		218.9671	218.9671	5.1000e-003	4.9200e-003	220.5622

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Prospect Villas - South Coast Air Basin, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0384	2.2402	21.2751	0.0481	4.9297	0.0338	4.9635	1.3136	0.0314	1.3450		4,905,226	4,905,226	0.2973	0.1987	4,971,860
Unmitigated	2.0384	2.2402	21.2751	0.0481	4.9297	0.0338	4.9635	1.3136	0.0314	1.3450		4,905,226	4,905,226	0.2973	0.1987	4,971,860

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	333.75	333.75	333.75	1,621,968	1,621,968
Enclosed Parking with Elevator	0.00	0.00	0.00		
Strip Mall	323.01	323.01	323.01	718,040	718,040
Total	656.76	656.76	656.76	2,340,008	2,340,008

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	19.80	9.60	12.90	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	18.50	10.10	7.90	0.00	0.00	0.00	0	0	0
Strip Mall	18.50	10.10	7.90	16.60	64.40	19.00	45	40	15

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.544109	0.060768	0.184625	0.129879	0.023845	0.006339	0.011719	0.008584	0.000815	0.000515	0.024285	0.000743	0.003774
Enclosed Parking with Elevator	0.544109	0.060768	0.184625	0.129879	0.023845	0.006339	0.011719	0.008584	0.000815	0.000515	0.024285	0.000743	0.003774

Prospect Villas - South Coast Air Basin, Summer

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

Strip Mall	0.544109	0.060768	0.184625	0.129879	0.023845	0.006339	0.011719	0.008584	0.000815	0.000515	0.024285	0.000743	0.003774
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0293	0.2502	0.1076	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.2065	319.2065	6.1200e-003	5.8500e-003	321.1034
NaturalGas Unmitigated	0.0293	0.2502	0.1076	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.2065	319.2065	6.1200e-003	5.8500e-003	321.1034

Prospect Villas - South Coast Air Basin, Summer

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2684.92	0.0290	0.2474	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.8724	315.8724	6.0500e-003	5.7900e-003	317.7495
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	28.3397	3.1000e-004	2.7800e-003	2.3300e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3341	3.3341	6.0000e-005	6.0000e-005	3.3539
Total		0.0293	0.2502	0.1076	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.2065	319.2065	6.1100e-003	5.8500e-003	321.1034

Prospect Villas - South Coast Air Basin, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2.68492	0.0290	0.2474	0.1053	1.5800e-003		0.0200	0.0200		0.0200	0.0200		315.8724	315.8724	6.0500e-003	5.7900e-003	317.7495
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Strip Mall	0.0283397	3.1000e-004	2.7800e-003	2.3300e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004		3.3341	3.3341	6.0000e-005	6.0000e-005	3.3539
Total		0.0293	0.2502	0.1076	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.2065	319.2065	6.1100e-003	5.8500e-003	321.1034

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Prospect Villas - South Coast Air Basin, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0996	1.1912	6.6811	7.4700e-003		0.1248	0.1248		0.1248	0.1248	0.0000	1,440.5868	1,440.5868	0.0382	0.0262	1,449.3511
Unmitigated	21.6213	1.6276	44.3460	0.0976		5.7634	5.7634		5.7634	5.7634	702.5189	1,361.1750	2,063.6939	2.1059	0.0477	2,130.5493

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	19.6527	1.5561	38.1414	0.0973		5.7291	5.7291		5.7291	5.7291	702.5189	1,350.0000	2,052.5189	2.0951	0.0477	2,119.1043
Landscaping	0.1879	0.0715	6.2046	3.3000e-004		0.0343	0.0343		0.0343	0.0343		11.1750	11.1750	0.0108		11.4450
Total	21.6213	1.6276	44.3460	0.0976		5.7634	5.7634		5.7634	5.7634	702.5189	1,361.1750	2,063.6939	2.1059	0.0477	2,130.5493

Prospect Villas - South Coast Air Basin, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1492					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.6315					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.1310	1.1197	0.4765	7.1500e-003		0.0905	0.0905		0.0905	0.0905	0.0000	1,429.4118	1,429.4118	0.0274	0.0262	1,437.9060
Landscaping	0.1879	0.0715	6.2046	3.3000e-004		0.0343	0.0343		0.0343	0.0343		11.1750	11.1750	0.0108		11.4450
Total	2.0996	1.1912	6.6811	7.4800e-003		0.1248	0.1248		0.1248	0.1248	0.0000	1,440.5867	1,440.5867	0.0382	0.0262	1,449.3511

7.0 Water Detail

7.1 Mitigation Measures Water

Prospect Villas - South Coast Air Basin, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
