

Villages at the Palms - San Luis Obispo County APCD Air District, Annual

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

**Villages at the Palms
San Luis Obispo County APCD Air District, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Retirement Community	59.00	Dwelling Unit	4.60	25,360.00	80

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - The project would use energy from PG&E and would be compliant with the City's Energy Reach Code during operation. Construction is anticipated to begin in May 2022 and last 14 months. Type of construction vehicles and equipment and the number of construction workers, vehicles, and equipment will be based on CalEEMod defaults.

Land Use - The project site on the western portion of a 4.6 acre parcel and the new buildings would result in 25,360 sf of new development. Population assumption is based on the development of 54 studio and one-bedroom units and five two-bedroom units and 16 additional employees

Construction Phase - Construction is based on conservative CalEEMod defaults; no demolition would occur

Off-road Equipment - No Demolition
 Site Preparation equipment based on conservative defaults
 Off-road Equipment - based on conservative defaults
 Off-road Equipment - based on conservative defaults
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Grading - The project would result in 1.31 acres of grading

Trips and VMT - Based on conservative defaults

On-road Fugitive Dust - Based on conservative defaults

Architectural Coating - The new buildings would result in 25,360 sf of residential care facility development

Vehicle Trips - Generates 2.5 Average Daily Trips per occupied unit

Area Coating - The project would result in 25,360 sf of new retirement community development

Energy Use - Based on CalEEMod defaults

Water And Wastewater - Based on CalEEMod defaults

Solid Waste - Estimated tons/year based on generation rate identified in the MND (Section 19, Utilities and Service Systems)

Construction Off-road Equipment Mitigation - No mitigation is included in the CalEEMod

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	17,118.00	25,360.00
tblAreaCoating	Area_Residential_Exterior	17118	25360
tblConstructionPhase	PhaseEndDate	7/20/2023	6/22/2023
tblConstructionPhase	PhaseEndDate	5/31/2023	5/3/2023
tblConstructionPhase	PhaseEndDate	7/13/2022	6/15/2022
tblConstructionPhase	PhaseEndDate	6/26/2023	5/29/2023
tblConstructionPhase	PhaseEndDate	7/1/2022	6/3/2022
tblConstructionPhase	PhaseStartDate	6/27/2023	5/30/2023
tblConstructionPhase	PhaseStartDate	7/14/2022	6/16/2022
tblConstructionPhase	PhaseStartDate	7/2/2022	6/4/2022
tblConstructionPhase	PhaseStartDate	6/1/2023	5/4/2023
tblConstructionPhase	PhaseStartDate	6/25/2022	5/28/2022
tblGrading	AcresOfGrading	8.00	4.00
tblGrading	AcresOfGrading	7.50	0.00
tblLandUse	LandUseSquareFeet	59,000.00	25,360.00
tblLandUse	LotAcreage	11.80	4.60
tblLandUse	Population	169.00	80.00

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tblSolidWaste	SolidWasteGenerationRate	27.14	58.00
tblVehicleTrips	ST_TR	2.03	2.50
tblVehicleTrips	SU_TR	1.95	2.50
tblVehicleTrips	WD_TR	2.40	2.50

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1482	1.3040	1.3668	2.4500e-003	0.1030	0.0656	0.1686	0.0468	0.0616	0.1083	0.0000	213.1940	213.1940	0.0463	1.6500e-003	214.8430
2023	0.5307	0.7396	0.8997	1.5900e-003	0.0214	0.0355	0.0569	5.7200e-003	0.0334	0.0391	0.0000	138.3566	138.3566	0.0296	1.0100e-003	139.3949
Maximum	0.5307	1.3040	1.3668	2.4500e-003	0.1030	0.0656	0.1686	0.0468	0.0616	0.1083	0.0000	213.1940	213.1940	0.0463	1.6500e-003	214.8430

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1482	1.3040	1.3668	2.4500e-003	0.1030	0.0656	0.1686	0.0468	0.0616	0.1083	0.0000	213.1938	213.1938	0.0463	1.6500e-003	214.8428
2023	0.5307	0.7396	0.8997	1.5900e-003	0.0214	0.0355	0.0569	5.7200e-003	0.0334	0.0391	0.0000	138.3564	138.3564	0.0296	1.0100e-003	139.3947
Maximum	0.5307	1.3040	1.3668	2.4500e-003	0.1030	0.0656	0.1686	0.0468	0.0616	0.1083	0.0000	213.1938	213.1938	0.0463	1.6500e-003	214.8428

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	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	5-28-2022	8-27-2022	0.6547	0.6547
2	8-28-2022	11-27-2022	0.5876	0.5876
3	11-28-2022	2-27-2023	0.5583	0.5583
4	2-28-2023	5-27-2023	0.4658	0.4658
5	5-28-2023	8-27-2023	0.4435	0.4435
		Highest	0.6547	0.6547

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1677	9.2600e-003	0.8033	4.0000e-005		4.4500e-003	4.4500e-003		4.4500e-003	4.4500e-003	0.0000	1.3119	1.3119	1.2600e-003	0.0000	1.3435
Energy	3.1400e-003	0.0268	0.0114	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	54.2783	54.2783	4.3500e-003	1.0200e-003	54.6924
Mobile	0.0865	0.1249	0.7610	1.4100e-003	0.1403	1.4200e-003	0.1417	0.0375	1.3300e-003	0.0389	0.0000	130.2532	130.2532	9.4000e-003	7.1100e-003	132.6081
Waste						0.0000	0.0000		0.0000	0.0000	11.7735	0.0000	11.7735	0.6958	0.0000	29.1683
Water						0.0000	0.0000		0.0000	0.0000	1.2196	2.7093	3.9289	0.1257	3.0100e-003	7.9685
Total	0.2573	0.1610	1.5757	1.6200e-003	0.1403	8.0400e-003	0.1483	0.0375	7.9500e-003	0.0455	12.9930	188.5527	201.5457	0.8365	0.0111	225.7808

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1677	9.2600e-003	0.8033	4.0000e-005		4.4500e-003	4.4500e-003		4.4500e-003	4.4500e-003	0.0000	1.3119	1.3119	1.2600e-003	0.0000	1.3435
Energy	3.1400e-003	0.0268	0.0114	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	54.2783	54.2783	4.3500e-003	1.0200e-003	54.6924
Mobile	0.0865	0.1249	0.7610	1.4100e-003	0.1403	1.4200e-003	0.1417	0.0375	1.3300e-003	0.0389	0.0000	130.2532	130.2532	9.4000e-003	7.1100e-003	132.6081
Waste						0.0000	0.0000		0.0000	0.0000	11.7735	0.0000	11.7735	0.6958	0.0000	29.1683
Water						0.0000	0.0000		0.0000	0.0000	1.2196	2.7093	3.9289	0.1257	3.0100e-003	7.9685
Total	0.2573	0.1610	1.5757	1.6200e-003	0.1403	8.0400e-003	0.1483	0.0375	7.9500e-003	0.0455	12.9930	188.5527	201.5457	0.8365	0.0111	225.7808

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/28/2022	6/3/2022	5	5	
2	Grading	Grading	6/4/2022	6/15/2022	5	8	
3	Building Construction	Building Construction	6/16/2022	5/3/2023	5	230	

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4	Paving	Paving	5/4/2023	5/29/2023	5	18
5	Architectural Coating	Architectural Coating	5/30/2023	6/22/2023	5	18

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 51,354; Residential Outdoor: 25,360; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; 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
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	42.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3599	8.3599	2.7000e-003	0.0000	8.4274
Total	7.9300e-003	0.0827	0.0492	1.0000e-004	0.0452	4.0300e-003	0.0492	0.0248	3.7100e-003	0.0285	0.0000	8.3599	8.3599	2.7000e-003	0.0000	8.4274

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3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.2900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3429	0.3429	1.0000e-005	1.0000e-005	0.3462
Total	1.5000e-004	1.2000e-004	1.2900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3429	0.3429	1.0000e-005	1.0000e-005	0.3462

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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3598	8.3598	2.7000e-003	0.0000	8.4274
Total	7.9300e-003	0.0827	0.0492	1.0000e-004	0.0452	4.0300e-003	0.0492	0.0248	3.7100e-003	0.0285	0.0000	8.3598	8.3598	2.7000e-003	0.0000	8.4274

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3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.2900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3429	0.3429	1.0000e-005	1.0000e-005	0.3462
Total	1.5000e-004	1.2000e-004	1.2900e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3429	0.3429	1.0000e-005	1.0000e-005	0.3462

3.3 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	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	7.7900e-003	0.0834	0.0611	1.2000e-004	0.0262	3.7600e-003	0.0300	0.0135	3.4600e-003	0.0169	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062

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3.3 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	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	2.0000e-004	1.6000e-004	1.7200e-003	0.0000	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4571	0.4571	1.0000e-005	1.0000e-005	0.4616
Total	2.0000e-004	1.6000e-004	1.7200e-003	0.0000	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4571	0.4571	1.0000e-005	1.0000e-005	0.4616

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					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	7.7900e-003	0.0834	0.0611	1.2000e-004	0.0262	3.7600e-003	0.0300	0.0135	3.4600e-003	0.0169	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062

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3.3 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	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	2.0000e-004	1.6000e-004	1.7200e-003	0.0000	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4571	0.4571	1.0000e-005	1.0000e-005	0.4616
Total	2.0000e-004	1.6000e-004	1.7200e-003	0.0000	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4571	0.4571	1.0000e-005	1.0000e-005	0.4616

3.4 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	tons/yr										MT/yr					
Off-Road	0.1211	1.1087	1.1618	1.9100e-003		0.0574	0.0574		0.0540	0.0540	0.0000	164.5249	164.5249	0.0394	0.0000	165.5103
Total	0.1211	1.1087	1.1618	1.9100e-003		0.0574	0.0574		0.0540	0.0540	0.0000	164.5249	164.5249	0.0394	0.0000	165.5103

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3.4 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2000e-004	0.0211	6.3500e-003	7.0000e-005	1.9400e-003	2.0000e-004	2.1400e-003	5.6000e-004	2.0000e-004	7.6000e-004	0.0000	6.3679	6.3679	1.5000e-004	9.4000e-004	6.6510
Worker	0.0101	7.8100e-003	0.0854	2.5000e-004	0.0287	1.5000e-004	0.0289	7.6300e-003	1.4000e-004	7.7700e-003	0.0000	22.7195	22.7195	6.8000e-004	6.8000e-004	22.9403
Total	0.0110	0.0289	0.0917	3.2000e-004	0.0307	3.5000e-004	0.0310	8.1900e-003	3.4000e-004	8.5300e-003	0.0000	29.0874	29.0874	8.3000e-004	1.6200e-003	29.5914

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	0.1211	1.1087	1.1618	1.9100e-003		0.0574	0.0574		0.0540	0.0540	0.0000	164.5247	164.5247	0.0394	0.0000	165.5101
Total	0.1211	1.1087	1.1618	1.9100e-003		0.0574	0.0574		0.0540	0.0540	0.0000	164.5247	164.5247	0.0394	0.0000	165.5101

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3.4 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2000e-004	0.0211	6.3500e-003	7.0000e-005	1.9400e-003	2.0000e-004	2.1400e-003	5.6000e-004	2.0000e-004	7.6000e-004	0.0000	6.3679	6.3679	1.5000e-004	9.4000e-004	6.6510
Worker	0.0101	7.8100e-003	0.0854	2.5000e-004	0.0287	1.5000e-004	0.0289	7.6300e-003	1.4000e-004	7.7700e-003	0.0000	22.7195	22.7195	6.8000e-004	6.8000e-004	22.9403
Total	0.0110	0.0289	0.0917	3.2000e-004	0.0307	3.5000e-004	0.0310	8.1900e-003	3.4000e-004	8.5300e-003	0.0000	29.0874	29.0874	8.3000e-004	1.6200e-003	29.5914

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0692	0.6329	0.7147	1.1900e-003		0.0308	0.0308		0.0290	0.0290	0.0000	101.9941	101.9941	0.0243	0.0000	102.6007
Total	0.0692	0.6329	0.7147	1.1900e-003		0.0308	0.0308		0.0290	0.0290	0.0000	101.9941	101.9941	0.0243	0.0000	102.6007

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3.4 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0109	3.5000e-003	4.0000e-005	1.2000e-003	6.0000e-005	1.2600e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	3.8088	3.8088	8.0000e-005	5.6000e-004	3.9777
Worker	5.8900e-003	4.2900e-003	0.0488	1.5000e-004	0.0178	9.0000e-005	0.0179	4.7300e-003	8.0000e-005	4.8100e-003	0.0000	13.6532	13.6532	3.8000e-004	3.9000e-004	13.7796
Total	6.2000e-003	0.0152	0.0523	1.9000e-004	0.0190	1.5000e-004	0.0191	5.0800e-003	1.4000e-004	5.2200e-003	0.0000	17.4620	17.4620	4.6000e-004	9.5000e-004	17.7573

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	0.0692	0.6329	0.7147	1.1900e-003		0.0308	0.0308		0.0290	0.0290	0.0000	101.9940	101.9940	0.0243	0.0000	102.6005
Total	0.0692	0.6329	0.7147	1.1900e-003		0.0308	0.0308		0.0290	0.0290	0.0000	101.9940	101.9940	0.0243	0.0000	102.6005

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3.4 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.1000e-004	0.0109	3.5000e-003	4.0000e-005	1.2000e-003	6.0000e-005	1.2600e-003	3.5000e-004	6.0000e-005	4.1000e-004	0.0000	3.8088	3.8088	8.0000e-005	5.6000e-004	3.9777
Worker	5.8900e-003	4.2900e-003	0.0488	1.5000e-004	0.0178	9.0000e-005	0.0179	4.7300e-003	8.0000e-005	4.8100e-003	0.0000	13.6532	13.6532	3.8000e-004	3.9000e-004	13.7796
Total	6.2000e-003	0.0152	0.0523	1.9000e-004	0.0190	1.5000e-004	0.0191	5.0800e-003	1.4000e-004	5.2200e-003	0.0000	17.4620	17.4620	4.6000e-004	9.5000e-004	17.7573

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565

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3.5 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.2000e-004	4.7500e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.3299	1.3299	4.0000e-005	4.0000e-005	1.3422
Total	5.7000e-004	4.2000e-004	4.7500e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.3299	1.3299	4.0000e-005	4.0000e-005	1.3422

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	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565

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3.5 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.7000e-004	4.2000e-004	4.7500e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.3299	1.3299	4.0000e-005	4.0000e-005	1.3422
Total	5.7000e-004	4.2000e-004	4.7500e-003	1.0000e-005	1.7300e-003	1.0000e-005	1.7400e-003	4.6000e-004	1.0000e-005	4.7000e-004	0.0000	1.3299	1.3299	4.0000e-005	4.0000e-005	1.3422

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4445					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	0.4462	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014

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3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.7000e-004	1.9000e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5319	0.5319	1.0000e-005	2.0000e-005	0.5369
Total	2.3000e-004	1.7000e-004	1.9000e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5319	0.5319	1.0000e-005	2.0000e-005	0.5369

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4445					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	0.4462	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014

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3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.7000e-004	1.9000e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5319	0.5319	1.0000e-005	2.0000e-005	0.5369
Total	2.3000e-004	1.7000e-004	1.9000e-003	1.0000e-005	6.9000e-004	0.0000	7.0000e-004	1.8000e-004	0.0000	1.9000e-004	0.0000	0.5319	0.5319	1.0000e-005	2.0000e-005	0.5369

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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	0.0865	0.1249	0.7610	1.4100e-003	0.1403	1.4200e-003	0.1417	0.0375	1.3300e-003	0.0389	0.0000	130.2532	130.2532	9.4000e-003	7.1100e-003	132.6081
Unmitigated	0.0865	0.1249	0.7610	1.4100e-003	0.1403	1.4200e-003	0.1417	0.0375	1.3300e-003	0.0389	0.0000	130.2532	130.2532	9.4000e-003	7.1100e-003	132.6081

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Retirement Community	147.50	147.50	147.50	374,880	374,880
Total	147.50	147.50	147.50	374,880	374,880

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
Retirement Community	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Retirement Community	0.480413	0.056178	0.203888	0.151644	0.040330	0.009776	0.008210	0.005953	0.000975	0.000369	0.033870	0.001035	0.007358

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	23.2099	23.2099	3.7500e-003	4.6000e-004	23.4394
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	23.2099	23.2099	3.7500e-003	4.6000e-004	23.4394
NaturalGas Mitigated	3.1400e-003	0.0268	0.0114	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.0684	31.0684	6.0000e-004	5.7000e-004	31.2530
NaturalGas Unmitigated	3.1400e-003	0.0268	0.0114	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.0684	31.0684	6.0000e-004	5.7000e-004	31.2530

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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					
Retirement Community	582200	3.1400e-003	0.0268	0.0114	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.0684	31.0684	6.0000e-004	5.7000e-004	31.2530
Total		3.1400e-003	0.0268	0.0114	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.0684	31.0684	6.0000e-004	5.7000e-004	31.2530

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					
Retirement Community	582200	3.1400e-003	0.0268	0.0114	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.0684	31.0684	6.0000e-004	5.7000e-004	31.2530
Total		3.1400e-003	0.0268	0.0114	1.7000e-004		2.1700e-003	2.1700e-003		2.1700e-003	2.1700e-003	0.0000	31.0684	31.0684	6.0000e-004	5.7000e-004	31.2530

Villages at the Palms - San Luis Obispo County APCD Air District, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Retirement Community	250853	23.2099	3.7500e-003	4.6000e-004	23.4394
Total		23.2099	3.7500e-003	4.6000e-004	23.4394

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Retirement Community	250853	23.2099	3.7500e-003	4.6000e-004	23.4394
Total		23.2099	3.7500e-003	4.6000e-004	23.4394

6.0 Area Detail

6.1 Mitigation Measures Area

Villages at the Palms - San Luis Obispo County APCD Air District, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1677	9.2600e-003	0.8033	4.0000e-005		4.4500e-003	4.4500e-003		4.4500e-003	4.4500e-003	0.0000	1.3119	1.3119	1.2600e-003	0.0000	1.3435
Unmitigated	0.1677	9.2600e-003	0.8033	4.0000e-005		4.4500e-003	4.4500e-003		4.4500e-003	4.4500e-003	0.0000	1.3119	1.3119	1.2600e-003	0.0000	1.3435

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0445					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0990					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	0.0242	9.2600e-003	0.8033	4.0000e-005		4.4500e-003	4.4500e-003		4.4500e-003	4.4500e-003	0.0000	1.3119	1.3119	1.2600e-003	0.0000	1.3435
Total	0.1677	9.2600e-003	0.8033	4.0000e-005		4.4500e-003	4.4500e-003		4.4500e-003	4.4500e-003	0.0000	1.3119	1.3119	1.2600e-003	0.0000	1.3435

Villages at the Palms - San Luis Obispo County APCD Air District, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0445					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0990					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	0.0242	9.2600e-003	0.8033	4.0000e-005		4.4500e-003	4.4500e-003		4.4500e-003	4.4500e-003	0.0000	1.3119	1.3119	1.2600e-003	0.0000	1.3435
Total	0.1677	9.2600e-003	0.8033	4.0000e-005		4.4500e-003	4.4500e-003		4.4500e-003	4.4500e-003	0.0000	1.3119	1.3119	1.2600e-003	0.0000	1.3435

7.0 Water Detail

7.1 Mitigation Measures Water

Villages at the Palms - San Luis Obispo County APCD Air District, 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	3.9289	0.1257	3.0100e-003	7.9685
Unmitigated	3.9289	0.1257	3.0100e-003	7.9685

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Retirement Community	3.84409 / 2.42345	3.9289	0.1257	3.0100e-003	7.9685
Total		3.9289	0.1257	3.0100e-003	7.9685

Villages at the Palms - San Luis Obispo County APCD Air District, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Retirement Community	3.84409 / 2.42345	3.9289	0.1257	3.0100e- 003	7.9685
Total		3.9289	0.1257	3.0100e- 003	7.9685

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	11.7735	0.6958	0.0000	29.1683
Unmitigated	11.7735	0.6958	0.0000	29.1683

Villages at the Palms - San Luis Obispo County APCD Air District, Annual

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

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Retirement Community	58	11.7735	0.6958	0.0000	29.1683
Total		11.7735	0.6958	0.0000	29.1683

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Retirement Community	58	11.7735	0.6958	0.0000	29.1683
Total		11.7735	0.6958	0.0000	29.1683

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Villages at the Palms - San Luis Obispo County APCD Air District, Annual

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
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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

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

Villages at the Palms
San Luis Obispo County APCD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Retirement Community	59.00	Dwelling Unit	4.60	25,360.00	80

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MW hr)	203.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - The project would use energy from PG&E and would be compliant with the City's Energy Reach Code during operation. Construction is anticipated to begin in May 2022 and last 14 months. Type of construction vehicles and equipment and the number of construction workers, vehicles, and equipment will be based on CalEEMod defaults.

Land Use - The project site on the western portion of a 4.6 acre parcel and the new buildings would result in 25,360 sf of new development. Population assumption is based on the development of 54 studio and one-bedroom units and five two-bedroom units and 16 additional employees

Construction Phase - Construction is based on conservative CalEEMod defaults; no demolition would occur

Off-road Equipment - No Demolition
 Site Preparation equipment based on conservative defaults
 Off-road Equipment - based on conservative defaults
 Off-road Equipment - based on conservative defaults
 Off-road Equipment - based on conservative defaults
 Off-road Equipment - based on conservative defaults
 Off-road Equipment - based on conservative defaults

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

Grading - The project would result in 1.31 acres of grading

Trips and VMT - Based on conservative defaults

On-road Fugitive Dust - Based on conservative defaults

Architectural Coating - The new buildings would result in 25,360 sf of residential care facility development

Vehicle Trips - Generates 2.5 Average Daily Trips per occupied unit

Area Coating - The project would result in 25,360 sf of new retirement community development

Energy Use - Based on CalEEMod defaults

Water And Wastewater - Based on CalEEMod defaults

Solid Waste - Estimated tons/year based on generation rate identified in the MND (Section 19, Utilities and Service Systems)

Construction Off-road Equipment Mitigation - No mitigation is included in the CalEEMod

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	17,118.00	25,360.00
tblAreaCoating	Area_Residential_Exterior	17118	25360
tblConstructionPhase	PhaseEndDate	7/20/2023	6/22/2023
tblConstructionPhase	PhaseEndDate	5/31/2023	5/3/2023
tblConstructionPhase	PhaseEndDate	7/13/2022	6/15/2022
tblConstructionPhase	PhaseEndDate	6/26/2023	5/29/2023
tblConstructionPhase	PhaseEndDate	7/1/2022	6/3/2022
tblConstructionPhase	PhaseStartDate	6/27/2023	5/30/2023
tblConstructionPhase	PhaseStartDate	7/14/2022	6/16/2022
tblConstructionPhase	PhaseStartDate	7/2/2022	6/4/2022
tblConstructionPhase	PhaseStartDate	6/1/2023	5/4/2023
tblConstructionPhase	PhaseStartDate	6/25/2022	5/28/2022
tblGrading	AcresOfGrading	8.00	4.00
tblGrading	AcresOfGrading	7.50	0.00
tblLandUse	LandUseSquareFeet	59,000.00	25,360.00
tblLandUse	LotAcreage	11.80	4.60
tblLandUse	Population	169.00	80.00

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

tblSolidWaste	SolidWasteGenerationRate	27.14	58.00
tblVehicleTrips	ST_TR	2.03	2.50
tblVehicleTrips	SU_TR	1.95	2.50
tblVehicleTrips	WD_TR	2.40	2.50

2.0 Emissions Summary

Villages at the Palms - San Luis Obispo County APCD Air District, 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					
2022	3.2309	33.1260	20.2292	0.0396	18.2442	1.6135	19.8577	9.9779	1.4844	11.4623	0.0000	3,842.7289	3,842.7289	1.1965	0.0245	3,873.9053
2023	49.6016	14.7130	17.4641	0.0313	0.4431	0.7031	1.1462	0.1182	0.6616	0.7797	0.0000	3,005.0117	3,005.0117	0.6191	0.0232	3,027.3910
Maximum	49.6016	33.1260	20.2292	0.0396	18.2442	1.6135	19.8577	9.9779	1.4844	11.4623	0.0000	3,842.7289	3,842.7289	1.1965	0.0245	3,873.9053

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2309	33.1260	20.2292	0.0396	18.2442	1.6135	19.8577	9.9779	1.4844	11.4623	0.0000	3,842.7289	3,842.7289	1.1965	0.0245	3,873.9053
2023	49.6016	14.7130	17.4641	0.0313	0.4431	0.7031	1.1462	0.1182	0.6616	0.7797	0.0000	3,005.0117	3,005.0117	0.6191	0.0232	3,027.3910
Maximum	49.6016	33.1260	20.2292	0.0396	18.2442	1.6135	19.8577	9.9779	1.4844	11.4623	0.0000	3,842.7289	3,842.7289	1.1965	0.0245	3,873.9053

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753
Energy	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701
Mobile	0.4932	0.6443	4.0643	7.9700e-003	0.7914	7.7900e-003	0.7992	0.2112	7.3300e-003	0.2185		810.2374	810.2374	0.0538	0.0413	823.8793
Total	1.4433	0.8474	8.9956	9.1700e-003	0.7914	0.0466	0.8380	0.2112	0.0462	0.2573	0.0000	1,006.6570	1,006.6570	0.0659	0.0447	1,021.6248

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	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753
Energy	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701
Mobile	0.4932	0.6443	4.0643	7.9700e-003	0.7914	7.7900e-003	0.7992	0.2112	7.3300e-003	0.2185		810.2374	810.2374	0.0538	0.0413	823.8793
Total	1.4433	0.8474	8.9956	9.1700e-003	0.7914	0.0466	0.8380	0.2112	0.0462	0.2573	0.0000	1,006.6570	1,006.6570	0.0659	0.0447	1,021.6248

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/28/2022	6/3/2022	5	5	
2	Grading	Grading	6/4/2022	6/15/2022	5	8	
3	Building Construction	Building Construction	6/16/2022	5/3/2023	5	230	
4	Paving	Paving	5/4/2023	5/29/2023	5	18	
5	Architectural Coating	Architectural Coating	5/30/2023	6/22/2023	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 51,354; Residential Outdoor: 25,360; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; 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
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	42.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

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	0.0607	0.0425	0.5314	1.5500e-003	0.1780	9.0000e-004	0.1789	0.0472	8.3000e-004	0.0480		156.6670	156.6670	4.3100e-003	4.2400e-003	158.0398
Total	0.0607	0.0425	0.5314	1.5500e-003	0.1780	9.0000e-004	0.1789	0.0472	8.3000e-004	0.0480		156.6670	156.6670	4.3100e-003	4.2400e-003	158.0398

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

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	0.0607	0.0425	0.5314	1.5500e-003	0.1780	9.0000e-004	0.1789	0.0472	8.3000e-004	0.0480		156.6670	156.6670	4.3100e-003	4.2400e-003	158.0398
Total	0.0607	0.0425	0.5314	1.5500e-003	0.1780	9.0000e-004	0.1789	0.0472	8.3000e-004	0.0480		156.6670	156.6670	4.3100e-003	4.2400e-003	158.0398

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.3 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.046 4	2,872.046 4	0.9289		2,895.268 4

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	0.0506	0.0354	0.4429	1.2900e-003	0.1483	7.5000e-004	0.1490	0.0393	6.9000e-004	0.0400		130.5558	130.5558	3.5900e-003	3.5400e-003	131.6998
Total	0.0506	0.0354	0.4429	1.2900e-003	0.1483	7.5000e-004	0.1490	0.0393	6.9000e-004	0.0400		130.5558	130.5558	3.5900e-003	3.5400e-003	131.6998

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4

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	0.0506	0.0354	0.4429	1.2900e-003	0.1483	7.5000e-004	0.1490	0.0393	6.9000e-004	0.0400		130.5558	130.5558	3.5900e-003	3.5400e-003	131.6998
Total	0.0506	0.0354	0.4429	1.2900e-003	0.1483	7.5000e-004	0.1490	0.0393	6.9000e-004	0.0400		130.5558	130.5558	3.5900e-003	3.5400e-003	131.6998

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.4 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.0117	0.2878	0.0876	9.2000e-004	0.0279	2.8700e-003	0.0308	8.0300e-003	2.7500e-003	0.0108		98.8450	98.8450	2.3000e-003	0.0146	103.2373
Worker	0.1417	0.0991	1.2400	3.6200e-003	0.4152	2.1000e-003	0.4173	0.1101	1.9300e-003	0.1121		365.5564	365.5564	0.0101	9.9000e-003	368.7595
Total	0.1533	0.3869	1.3276	4.5400e-003	0.4431	4.9700e-003	0.4481	0.1182	4.6800e-003	0.1228		464.4014	464.4014	0.0124	0.0245	471.9967

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.0117	0.2878	0.0876	9.2000e-004	0.0279	2.8700e-003	0.0308	8.0300e-003	2.7500e-003	0.0108		98.8450	98.8450	2.3000e-003	0.0146	103.2373
Worker	0.1417	0.0991	1.2400	3.6200e-003	0.4152	2.1000e-003	0.4173	0.1101	1.9300e-003	0.1121		365.5564	365.5564	0.0101	9.9000e-003	368.7595
Total	0.1533	0.3869	1.3276	4.5400e-003	0.4431	4.9700e-003	0.4481	0.1182	4.6800e-003	0.1228		464.4014	464.4014	0.0124	0.0245	471.9967

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.1300e-003	0.2404	0.0780	8.9000e-004	0.0279	1.4000e-003	0.0293	8.0300e-003	1.3400e-003	9.3700e-003		95.3553	95.3553	2.1300e-003	0.0140	99.5802
Worker	0.1326	0.0877	1.1421	3.5100e-003	0.4152	1.9800e-003	0.4172	0.1101	1.8300e-003	0.1120		354.4464	354.4464	9.1000e-003	9.1600e-003	357.4048
Total	0.1397	0.3281	1.2201	4.4000e-003	0.4431	3.3800e-003	0.4465	0.1182	3.1700e-003	0.1213		449.8017	449.8017	0.0112	0.0232	456.9850

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.1300e-003	0.2404	0.0780	8.9000e-004	0.0279	1.4000e-003	0.0293	8.0300e-003	1.3400e-003	9.3700e-003		95.3553	95.3553	2.1300e-003	0.0140	99.5802
Worker	0.1326	0.0877	1.1421	3.5100e-003	0.4152	1.9800e-003	0.4172	0.1101	1.8300e-003	0.1120		354.4464	354.4464	9.1000e-003	9.1600e-003	357.4048
Total	0.1397	0.3281	1.2201	4.4000e-003	0.4431	3.3800e-003	0.4465	0.1182	3.1700e-003	0.1213		449.8017	449.8017	0.0112	0.0232	456.9850

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

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	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928
Total	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

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	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928
Total	0.0632	0.0418	0.5438	1.6700e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		168.7840	168.7840	4.3300e-003	4.3600e-003	170.1928

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.3846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	49.5763	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0253	0.0167	0.2175	6.7000e-004	0.0791	3.8000e-004	0.0795	0.0210	3.5000e-004	0.0213		67.5136	67.5136	1.7300e-003	1.7500e-003	68.0771
Total	0.0253	0.0167	0.2175	6.7000e-004	0.0791	3.8000e-004	0.0795	0.0210	3.5000e-004	0.0213		67.5136	67.5136	1.7300e-003	1.7500e-003	68.0771

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.3846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	49.5763	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0253	0.0167	0.2175	6.7000e-004	0.0791	3.8000e-004	0.0795	0.0210	3.5000e-004	0.0213		67.5136	67.5136	1.7300e-003	1.7500e-003	68.0771
Total	0.0253	0.0167	0.2175	6.7000e-004	0.0791	3.8000e-004	0.0795	0.0210	3.5000e-004	0.0213		67.5136	67.5136	1.7300e-003	1.7500e-003	68.0771

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4932	0.6443	4.0643	7.9700e-003	0.7914	7.7900e-003	0.7992	0.2112	7.3300e-003	0.2185		810.2374	810.2374	0.0538	0.0413	823.8793
Unmitigated	0.4932	0.6443	4.0643	7.9700e-003	0.7914	7.7900e-003	0.7992	0.2112	7.3300e-003	0.2185		810.2374	810.2374	0.0538	0.0413	823.8793

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Retirement Community	147.50	147.50	147.50	374,880	374,880
Total	147.50	147.50	147.50	374,880	374,880

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
Retirement Community	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Retirement Community	0.480413	0.056178	0.203888	0.151644	0.040330	0.009776	0.008210	0.005953	0.000975	0.000369	0.033870	0.001035	0.007358

Villages at the Palms - San Luis Obispo County APCD Air District, Summer

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

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	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701
NaturalGas Unmitigated	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701

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					
Retirement Community	1595.07	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701
Total		0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701

Villages at the Palms - San Luis Obispo County APCD Air District, 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					
Retirement Community	1.59507	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701
Total		0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753
Unmitigated	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753

Villages at the Palms - San Luis Obispo County APCD Air District, 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

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	0.2435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5427					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	0.1467	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270		8.7646	8.7646	8.4300e-003		8.9753
Total	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753

Villages at the Palms - San Luis Obispo County APCD Air District, 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	0.2435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5427					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	0.1467	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270		8.7646	8.7646	8.4300e-003		8.9753
Total	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753

7.0 Water Detail

7.1 Mitigation Measures Water

Villages at the Palms - San Luis Obispo County APCD Air District, 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

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

Villages at the Palms
San Luis Obispo County APCD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Retirement Community	59.00	Dwelling Unit	4.60	25,360.00	80

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.2	Precipitation Freq (Days)	44
Climate Zone	4			Operational Year	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - The project would use energy from PG&E and would be compliant with the City's Energy Reach Code during operation. Construction is anticipated to begin in May 2022 and last 14 months. Type of construction vehicles and equipment and the number of construction workers, vehicles, and equipment will be based on CalEEMod defaults.

Land Use - The project site on the western portion of a 4.6 acre parcel and the new buildings would result in 25,360 sf of new development. Population assumption is based on the development of 54 studio and one-bedroom units and five two-bedroom units and 16 additional employees

Construction Phase - Construction is based on conservative CalEEMod defaults; no demolition would occur

Off-road Equipment - No Demolition
 Site Preparation equipment based on conservative defaults
 Off-road Equipment - based on conservative defaults
 Off-road Equipment - based on conservative defaults
 Off-road Equipment - based on conservative defaults
 Off-road Equipment - based on conservative defaults
 Off-road Equipment - based on conservative defaults

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

Grading - The project would result in 1.31 acres of grading

Trips and VMT - Based on conservative defaults

On-road Fugitive Dust - Based on conservative defaults

Architectural Coating - The new buildings would result in 25,360 sf of residential care facility development

Vehicle Trips - Generates 2.5 Average Daily Trips per occupied unit

Area Coating - The project would result in 25,360 sf of new retirement community development

Energy Use - Based on CalEEMod defaults

Water And Wastewater - Based on CalEEMod defaults

Solid Waste - Estimated tons/year based on generation rate identified in the MND (Section 19, Utilities and Service Systems)

Construction Off-road Equipment Mitigation - No mitigation is included in the CalEEMod

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	17,118.00	25,360.00
tblAreaCoating	Area_Residential_Exterior	17118	25360
tblConstructionPhase	PhaseEndDate	7/20/2023	6/22/2023
tblConstructionPhase	PhaseEndDate	5/31/2023	5/3/2023
tblConstructionPhase	PhaseEndDate	7/13/2022	6/15/2022
tblConstructionPhase	PhaseEndDate	6/26/2023	5/29/2023
tblConstructionPhase	PhaseEndDate	7/1/2022	6/3/2022
tblConstructionPhase	PhaseStartDate	6/27/2023	5/30/2023
tblConstructionPhase	PhaseStartDate	7/14/2022	6/16/2022
tblConstructionPhase	PhaseStartDate	7/2/2022	6/4/2022
tblConstructionPhase	PhaseStartDate	6/1/2023	5/4/2023
tblConstructionPhase	PhaseStartDate	6/25/2022	5/28/2022
tblGrading	AcresOfGrading	8.00	4.00
tblGrading	AcresOfGrading	7.50	0.00
tblLandUse	LandUseSquareFeet	59,000.00	25,360.00
tblLandUse	LotAcreage	11.80	4.60
tblLandUse	Population	169.00	80.00

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

tblSolidWaste	SolidWasteGenerationRate	27.14	58.00
tblVehicleTrips	ST_TR	2.03	2.50
tblVehicleTrips	SU_TR	1.95	2.50
tblVehicleTrips	WD_TR	2.40	2.50

2.0 Emissions Summary

Villages at the Palms - San Luis Obispo County APCD Air District, 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					
2022	3.2370	33.1317	20.2155	0.0395	18.2442	1.6135	19.8577	9.9779	1.4844	11.4623	0.0000	3,836.1488	3,836.1488	1.1968	0.0254	3,867.4451
2023	49.6042	14.7330	17.4400	0.0312	0.4431	0.7031	1.1462	0.1182	0.6616	0.7798	0.0000	2,990.3239	2,990.3239	0.6198	0.0240	3,012.9725
Maximum	49.6042	33.1317	20.2155	0.0395	18.2442	1.6135	19.8577	9.9779	1.4844	11.4623	0.0000	3,836.1488	3,836.1488	1.1968	0.0254	3,867.4451

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.2370	33.1317	20.2155	0.0395	18.2442	1.6135	19.8577	9.9779	1.4844	11.4623	0.0000	3,836.1487	3,836.1487	1.1968	0.0254	3,867.4451
2023	49.6042	14.7330	17.4400	0.0312	0.4431	0.7031	1.1462	0.1182	0.6616	0.7798	0.0000	2,990.3239	2,990.3239	0.6198	0.0240	3,012.9725
Maximum	49.6042	33.1317	20.2155	0.0395	18.2442	1.6135	19.8577	9.9779	1.4844	11.4623	0.0000	3,836.1487	3,836.1487	1.1968	0.0254	3,867.4451

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753
Energy	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701
Mobile	0.4843	0.6916	4.3048	7.7300e-003	0.7914	7.8000e-003	0.7992	0.2112	7.3300e-003	0.2185		785.9691	785.9691	0.0586	0.0436	800.4265
Total	1.4344	0.8947	9.2360	8.9300e-003	0.7914	0.0466	0.8380	0.2112	0.0462	0.2573	0.0000	982.3887	982.3887	0.0707	0.0470	998.1719

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	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753
Energy	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701
Mobile	0.4843	0.6916	4.3048	7.7300e-003	0.7914	7.8000e-003	0.7992	0.2112	7.3300e-003	0.2185		785.9691	785.9691	0.0586	0.0436	800.4265
Total	1.4344	0.8947	9.2360	8.9300e-003	0.7914	0.0466	0.8380	0.2112	0.0462	0.2573	0.0000	982.3887	982.3887	0.0707	0.0470	998.1719

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	5/28/2022	6/3/2022	5	5	
2	Grading	Grading	6/4/2022	6/15/2022	5	8	
3	Building Construction	Building Construction	6/16/2022	5/3/2023	5	230	
4	Paving	Paving	5/4/2023	5/29/2023	5	18	
5	Architectural Coating	Architectural Coating	5/30/2023	6/22/2023	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 51,354; Residential Outdoor: 25,360; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; 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
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Grading	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

Grading	Graders	1	8.00	187	0.41
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	42.00	6.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	13.00	5.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

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	0.0668	0.0482	0.5177	1.4800e-003	0.1780	9.0000e-004	0.1789	0.0472	8.3000e-004	0.0480		150.0869	150.0869	4.6400e-003	4.6200e-003	151.5796
Total	0.0668	0.0482	0.5177	1.4800e-003	0.1780	9.0000e-004	0.1789	0.0472	8.3000e-004	0.0480		150.0869	150.0869	4.6400e-003	4.6200e-003	151.5796

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

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	0.0668	0.0482	0.5177	1.4800e-003	0.1780	9.0000e-004	0.1789	0.0472	8.3000e-004	0.0480		150.0869	150.0869	4.6400e-003	4.6200e-003	151.5796
Total	0.0668	0.0482	0.5177	1.4800e-003	0.1780	9.0000e-004	0.1789	0.0472	8.3000e-004	0.0480		150.0869	150.0869	4.6400e-003	4.6200e-003	151.5796

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.3 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.0464	2,872.0464	0.9289		2,895.2684

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	0.0557	0.0402	0.4314	1.2400e-003	0.1483	7.5000e-004	0.1490	0.0393	6.9000e-004	0.0400		125.0724	125.0724	3.8700e-003	3.8500e-003	126.3163
Total	0.0557	0.0402	0.4314	1.2400e-003	0.1483	7.5000e-004	0.1490	0.0393	6.9000e-004	0.0400		125.0724	125.0724	3.8700e-003	3.8500e-003	126.3163

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4

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	0.0557	0.0402	0.4314	1.2400e-003	0.1483	7.5000e-004	0.1490	0.0393	6.9000e-004	0.0400		125.0724	125.0724	3.8700e-003	3.8500e-003	126.3163
Total	0.0557	0.0402	0.4314	1.2400e-003	0.1483	7.5000e-004	0.1490	0.0393	6.9000e-004	0.0400		125.0724	125.0724	3.8700e-003	3.8500e-003	126.3163

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.4 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.0116	0.2962	0.0912	9.2000e-004	0.0279	2.8900e-003	0.0308	8.0300e-003	2.7600e-003	0.0108		98.8923	98.8923	2.2800e-003	0.0146	103.2904
Worker	0.1559	0.1125	1.2080	3.4600e-003	0.4152	2.1000e-003	0.4173	0.1101	1.9300e-003	0.1121		350.2027	350.2027	0.0108	0.0108	353.6857
Total	0.1675	0.4087	1.2991	4.3800e-003	0.4431	4.9900e-003	0.4481	0.1182	4.6900e-003	0.1229		449.0951	449.0951	0.0131	0.0254	456.9761

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

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	0.0116	0.2962	0.0912	9.2000e-004	0.0279	2.8900e-003	0.0308	8.0300e-003	2.7600e-003	0.0108		98.8923	98.8923	2.2800e-003	0.0146	103.2904
Worker	0.1559	0.1125	1.2080	3.4600e-003	0.4152	2.1000e-003	0.4173	0.1101	1.9300e-003	0.1121		350.2027	350.2027	0.0108	0.0108	353.6857
Total	0.1675	0.4087	1.2991	4.3800e-003	0.4431	4.9900e-003	0.4481	0.1182	4.6900e-003	0.1229		449.0951	449.0951	0.0131	0.0254	456.9761

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9700e-003	0.2484	0.0810	8.9000e-004	0.0279	1.4100e-003	0.0293	8.0300e-003	1.3500e-003	9.3800e-003		95.5134	95.5134	2.1100e-003	0.0140	99.7489
Worker	0.1464	0.0996	1.1149	3.3600e-003	0.4152	1.9800e-003	0.4172	0.1101	1.8300e-003	0.1120		339.6006	339.6006	9.8200e-003	9.9700e-003	342.8176
Total	0.1534	0.3481	1.1960	4.2500e-003	0.4431	3.3900e-003	0.4465	0.1182	3.1800e-003	0.1213		435.1140	435.1140	0.0119	0.0240	442.5664

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.9700e-003	0.2484	0.0810	8.9000e-004	0.0279	1.4100e-003	0.0293	8.0300e-003	1.3500e-003	9.3800e-003		95.5134	95.5134	2.1100e-003	0.0140	99.7489
Worker	0.1464	0.0996	1.1149	3.3600e-003	0.4152	1.9800e-003	0.4172	0.1101	1.8300e-003	0.1120		339.6006	339.6006	9.8200e-003	9.9700e-003	342.8176
Total	0.1534	0.3481	1.1960	4.2500e-003	0.4431	3.3900e-003	0.4465	0.1182	3.1800e-003	0.1213		435.1140	435.1140	0.0119	0.0240	442.5664

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

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	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465
Total	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

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	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465
Total	0.0697	0.0474	0.5309	1.6000e-003	0.1977	9.5000e-004	0.1987	0.0524	8.7000e-004	0.0533		161.7146	161.7146	4.6800e-003	4.7500e-003	163.2465

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.3846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	49.5763	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0279	0.0190	0.2124	6.4000e-004	0.0791	3.8000e-004	0.0795	0.0210	3.5000e-004	0.0213		64.6858	64.6858	1.8700e-003	1.9000e-003	65.2986
Total	0.0279	0.0190	0.2124	6.4000e-004	0.0791	3.8000e-004	0.0795	0.0210	3.5000e-004	0.0213		64.6858	64.6858	1.8700e-003	1.9000e-003	65.2986

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	49.3846					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	49.5763	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0279	0.0190	0.2124	6.4000e-004	0.0791	3.8000e-004	0.0795	0.0210	3.5000e-004	0.0213		64.6858	64.6858	1.8700e-003	1.9000e-003	65.2986
Total	0.0279	0.0190	0.2124	6.4000e-004	0.0791	3.8000e-004	0.0795	0.0210	3.5000e-004	0.0213		64.6858	64.6858	1.8700e-003	1.9000e-003	65.2986

Villages at the Palms - San Luis Obispo County APCD Air District, 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	0.4843	0.6916	4.3048	7.7300e-003	0.7914	7.8000e-003	0.7992	0.2112	7.3300e-003	0.2185		785.9691	785.9691	0.0586	0.0436	800.4265
Unmitigated	0.4843	0.6916	4.3048	7.7300e-003	0.7914	7.8000e-003	0.7992	0.2112	7.3300e-003	0.2185		785.9691	785.9691	0.0586	0.0436	800.4265

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Retirement Community	147.50	147.50	147.50	374,880	374,880
Total	147.50	147.50	147.50	374,880	374,880

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
Retirement Community	13.00	5.00	5.00	35.80	21.00	43.20	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Retirement Community	0.480413	0.056178	0.203888	0.151644	0.040330	0.009776	0.008210	0.005953	0.000975	0.000369	0.033870	0.001035	0.007358

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

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	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701
NaturalGas Unmitigated	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701

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					
Retirement Community	1595.07	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701
Total		0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Retirement Community	1.59507	0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701
Total		0.0172	0.1470	0.0626	9.4000e-004		0.0119	0.0119		0.0119	0.0119		187.6550	187.6550	3.6000e-003	3.4400e-003	188.7701

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753
Unmitigated	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753

Villages at the Palms - San Luis Obispo County APCD Air District, 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	0.2435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5427					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	0.1467	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270		8.7646	8.7646	8.4300e-003		8.9753
Total	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2435					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5427					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	0.1467	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270		8.7646	8.7646	8.4300e-003		8.9753
Total	0.9329	0.0561	4.8687	2.6000e-004		0.0270	0.0270		0.0270	0.0270	0.0000	8.7646	8.7646	8.4300e-003	0.0000	8.9753

7.0 Water Detail

7.1 Mitigation Measures Water

Villages at the Palms - San Luis Obispo County APCD Air District, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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