Appendix B

Air Quality and GHG Modelling Worksheets

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1265 Montecito Residential Project AQ Analysis

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	34.00	Space	0.00	13,600.00	0
Parking Lot	10.00	Space	0.00	4,617.00	0
Apartments Mid Rise	85.00	Dwelling Unit	1.04	22,775.00	243

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
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 -

Land Use - Land Use - Based on project details, property size is 1.04 acres and the proposed building would occupy 22,775 square feet. Drive aisle would occupy 4,617 square feet.

Construction Phase -

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Trips and VMT -

Demolition - Demolition - Demolition of existing building, provided by applicant

Grading -

Architectural Coating -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Woodstoves - Proposed project would not include fireplaces according to applicant-provided construction information

Area Coating -

Mobile Land Use Mitigation -

Energy Mitigation - Energy Mitigation - Project site plans indicate photovoltaic panels will be installed on rooftop

Water Mitigation - In order to account for compliance with CALGreen, a 20 percent reduction in indoor water use and the use of water-efficient irrigation systems were included in the water consumption
calculations for new development

Fleet Mix -

Construction Off-road Equipment Mitigation - Implementation of BAAQMD basic construction mitigation measures.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	12.75	0.00
tblFireplaces	NumberNoFireplace	3.40	0.00
tblFireplaces	NumberWood	14.45	0.00
tblLandUse	LandUseSquareFeet	4,000.00	4,617.00
tblLandUse	LandUseSquareFeet	85,000.00	22,775.00
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	2.24	1.04

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0505	0.4179	0.4456	9.1000e-004	0.0432	0.0171	0.0603	0.0150	0.0162	0.0312	0.0000	78.7613	78.7613	0.0135	1.2900e-003	79.4829
2025	0.2875	0.9159	1.1710	2.3900e-003	0.0510	0.0334	0.0843	0.0137	0.0321	0.0458	0.0000	204.1335	204.1335	0.0269	3.5500e-003	205.8627
Maximum	**0.2875**	**0.9159**	**1.1710**	**2.3900e-003**	**0.0510**	**0.0334**	**0.0843**	**0.0150**	**0.0321**	**0.0458**	**0.0000**	**204.1335**	**204.1335**	**0.0269**	**3.5500e-003**	**205.8627**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0505	0.4179	0.4456	9.1000e-004	0.0273	0.0171	0.0445	8.8700e-003	0.0162	0.0251	0.0000	78.7612	78.7612	0.0135	1.2900e-003	79.4828
2025	0.2875	0.9159	1.1710	2.3900e-003	0.0510	0.0334	0.0843	0.0137	0.0321	0.0458	0.0000	204.1334	204.1334	0.0269	3.5500e-003	205.8625
Maximum	**0.2875**	**0.9159**	**1.1710**	**2.3900e-003**	**0.0510**	**0.0334**	**0.0843**	**0.0137**	**0.0321**	**0.0458**	**0.0000**	**204.1334**	**204.1334**	**0.0269**	**3.5500e-003**	**205.8625**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**16.82**	**0.00**	**10.95**	**21.32**	**0.00**	**7.94**	**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	**10-1-2024**	**12-31-2024**	0.4678	0.4678
2	**1-1-2025**	**3-31-2025**	0.4040	0.4040
3	**4-1-2025**	**6-30-2025**	0.4067	0.4067
4	**7-1-2025**	**9-30-2025**	0.3928	0.3928
		Highest	0.4678	0.4678

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	0.1322	8.2600e-003	0.6916	2.3000e-004		0.0134	0.0134		0.0134	0.0134	1.3257	1.0317	2.3575	7.1900e-003	0.0000	2.5371
Energy	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	75.4211	75.4211	6.7800e-003	1.4300e-003	76.0168
Mobile	0.1685	0.1853	1.5718	3.2800e-003	0.3742	2.4100e-003	0.3766	0.1000	2.2400e-003	0.1022	0.0000	312.5573	312.5573	0.0200	0.0148	317.4605
Waste						0.0000	0.0000		0.0000	0.0000	7.9370	0.0000	7.9370	0.4691	0.0000	19.6635
Water						0.0000	0.0000		0.0000	0.0000	1.7570	3.9033	5.6602	0.1811	4.3400e-003	11.4801
Total	**0.3046**	**0.2264**	**2.2774**	**3.7200e-003**	**0.3742**	**0.0185**	**0.3927**	**0.1000**	**0.0183**	**0.1183**	**11.0197**	**392.9133**	**403.9330**	**0.6841**	**0.0206**	**427.1580**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1322	8.2600e-003	0.6916	2.3000e-004		0.0134	0.0134		0.0134	0.0134	1.3257	1.0317	2.3575	7.1900e-003	0.0000	2.5371
Energy	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	75.4211	75.4211	6.7800e-003	1.4300e-003	76.0168
Mobile	0.1381	0.1310	1.1190	2.0300e-003	0.2271	1.5800e-003	0.2287	0.0607	1.4700e-003	0.0622	0.0000	193.6408	193.6408	0.0152	0.0105	197.1517
Waste						0.0000	0.0000		0.0000	0.0000	7.9370	0.0000	7.9370	0.4691	0.0000	19.6635
Water						0.0000	0.0000		0.0000	0.0000	1.4056	3.3487	4.7543	0.1449	3.4700e-003	9.4124
Total	**0.2742**	**0.1721**	**1.8246**	**2.4700e-003**	**0.2271**	**0.0176**	**0.2448**	**0.0607**	**0.0175**	**0.0782**	**10.6683**	**273.4423**	**284.1106**	**0.6432**	**0.0154**	**304.7816**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**9.98**	**23.98**	**19.88**	**33.60**	**39.31**	**4.50**	**37.67**	**39.31**	**4.21**	**33.89**	**3.19**	**30.41**	**29.66**	**5.98**	**25.06**	**28.65**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2024	10/28/2024	5	20	
2	Site Preparation	Site Preparation	10/29/2024	10/30/2024	5	2	
3	Grading	Grading	10/31/2024	11/5/2024	5	4	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	11/6/2024	8/12/2025	5	200	
5	Paving	Paving	8/13/2025	8/26/2025	5	10	
6	Architectural Coating	Architectural Coating	8/27/2025	9/9/2025	5	10	

Acres of Grading (Site Preparation Phase): 1.88

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 46,119; Residential Outdoor: 15,373; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,093 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	77.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	69.00	12.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.3700e-003	0.0000	8.3700e-003	1.2700e-003	0.0000	1.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.1389	0.1349	2.4000e-004		6.3100e-003	6.3100e-003		5.8900e-003	5.8900e-003	0.0000	21.0916	21.0916	5.3400e-003	0.0000	21.2250
Total	**0.0144**	**0.1389**	**0.1349**	**2.4000e-004**	**8.3700e-003**	**6.3100e-003**	**0.0147**	**1.2700e-003**	**5.8900e-003**	**7.1600e-003**	**0.0000**	**21.0916**	**21.0916**	**5.3400e-003**	**0.0000**	**21.2250**

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	8.0000e-005	5.2200e-003	1.2300e-003	2.0000e-005	6.5000e-004	4.0000e-005	6.9000e-004	1.8000e-004	4.0000e-005	2.2000e-004	0.0000	2.2619	2.2619	8.0000e-005	3.6000e-004	2.3706
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.0000e-004	2.6900e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0300e-003	2.7000e-004	0.0000	2.8000e-004	0.0000	0.7852	0.7852	2.0000e-005	2.0000e-005	0.7919
Total	**3.9000e-004**	**5.4200e-003**	**3.9200e-003**	**3.0000e-005**	**1.6800e-003**	**5.0000e-005**	**1.7200e-003**	**4.5000e-004**	**4.0000e-005**	**5.0000e-004**	**0.0000**	**3.0471**	**3.0471**	**1.0000e-004**	**3.8000e-004**	**3.1625**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.7700e-003	0.0000	3.7700e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.1389	0.1349	2.4000e-004		6.3100e-003	6.3100e-003		5.8900e-003	5.8900e-003	0.0000	21.0915	21.0915	5.3400e-003	0.0000	21.2250
Total	**0.0144**	**0.1389**	**0.1349**	**2.4000e-004**	**3.7700e-003**	**6.3100e-003**	**0.0101**	**5.7000e-004**	**5.8900e-003**	**6.4600e-003**	**0.0000**	**21.0915**	**21.0915**	**5.3400e-003**	**0.0000**	**21.2250**

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	8.0000e-005	5.2200e-003	1.2300e-003	2.0000e-005	6.5000e-004	4.0000e-005	6.9000e-004	1.8000e-004	4.0000e-005	2.2000e-004	0.0000	2.2619	2.2619	8.0000e-005	3.6000e-004	2.3706
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.0000e-004	2.6900e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0300e-003	2.7000e-004	0.0000	2.8000e-004	0.0000	0.7852	0.7852	2.0000e-005	2.0000e-005	0.7919
Total	**3.9000e-004**	**5.4200e-003**	**3.9200e-003**	**3.0000e-005**	**1.6800e-003**	**5.0000e-005**	**1.7200e-003**	**4.5000e-004**	**4.0000e-005**	**5.0000e-004**	**0.0000**	**3.0471**	**3.0471**	**1.0000e-004**	**3.8000e-004**	**3.1625**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.2700e-003	0.0000	6.2700e-003	3.0000e-003	0.0000	3.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1100e-003	0.0118	6.6300e-003	2.0000e-005		4.8000e-004	4.8000e-004		4.4000e-004	4.4000e-004	0.0000	1.5113	1.5113	4.9000e-004	0.0000	1.5235
Total	**1.1100e-003**	**0.0118**	**6.6300e-003**	**2.0000e-005**	**6.2700e-003**	**4.8000e-004**	**6.7500e-003**	**3.0000e-003**	**4.4000e-004**	**3.4400e-003**	**0.0000**	**1.5113**	**1.5113**	**4.9000e-004**	**0.0000**	**1.5235**

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-005	1.0000e-005	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0483	0.0483	0.0000	0.0000	0.0487
Total	**2.0000e-005**	**1.0000e-005**	**1.7000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0483**	**0.0483**	**0.0000**	**0.0000**	**0.0487**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.8200e-003	0.0000	2.8200e-003	1.3500e-003	0.0000	1.3500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1100e-003	0.0118	6.6300e-003	2.0000e-005		4.8000e-004	4.8000e-004		4.4000e-004	4.4000e-004	0.0000	1.5113	1.5113	4.9000e-004	0.0000	1.5235
Total	**1.1100e-003**	**0.0118**	**6.6300e-003**	**2.0000e-005**	**2.8200e-003**	**4.8000e-004**	**3.3000e-003**	**1.3500e-003**	**4.4000e-004**	**1.7900e-003**	**0.0000**	**1.5113**	**1.5113**	**4.9000e-004**	**0.0000**	**1.5235**

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-005	1.0000e-005	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0483	0.0483	0.0000	0.0000	0.0487
Total	**2.0000e-005**	**1.0000e-005**	**1.7000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0483**	**0.0483**	**0.0000**	**0.0000**	**0.0487**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0142	0.0000	0.0142	6.8500e-003	0.0000	6.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0276	0.0174	4.0000e-005		1.1400e-003	1.1400e-003		1.0500e-003	1.0500e-003	0.0000	3.6207	3.6207	1.1700e-003	0.0000	3.6500
Total	**2.6000e-003**	**0.0276**	**0.0174**	**4.0000e-005**	**0.0142**	**1.1400e-003**	**0.0153**	**6.8500e-003**	**1.0500e-003**	**7.9000e-003**	**0.0000**	**3.6207**	**3.6207**	**1.1700e-003**	**0.0000**	**3.6500**

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	5.0000e-005	3.0000e-005	4.1000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1208	0.1208	0.0000	0.0000	0.1218
Total	**5.0000e-005**	**3.0000e-005**	**4.1000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1208**	**0.1208**	**0.0000**	**0.0000**	**0.1218**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.3700e-003	0.0000	6.3700e-003	3.0800e-003	0.0000	3.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0276	0.0174	4.0000e-005		1.1400e-003	1.1400e-003		1.0500e-003	1.0500e-003	0.0000	3.6207	3.6207	1.1700e-003	0.0000	3.6500
Total	**2.6000e-003**	**0.0276**	**0.0174**	**4.0000e-005**	**6.3700e-003**	**1.1400e-003**	**7.5100e-003**	**3.0800e-003**	**1.0500e-003**	**4.1300e-003**	**0.0000**	**3.6207**	**3.6207**	**1.1700e-003**	**0.0000**	**3.6500**

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	5.0000e-005	3.0000e-005	4.1000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1208	0.1208	0.0000	0.0000	0.1218
Total	**5.0000e-005**	**3.0000e-005**	**4.1000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1208**	**0.1208**	**0.0000**	**0.0000**	**0.1218**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0284	0.2213	0.2503	4.4000e-004		9.0100e-003	9.0100e-003		8.7000e-003	8.7000e-003	0.0000	36.3223	36.3223	6.0500e-003	0.0000	36.4735
Total	**0.0284**	**0.2213**	**0.2503**	**4.4000e-004**		**9.0100e-003**	**9.0100e-003**		**8.7000e-003**	**8.7000e-003**	**0.0000**	**36.3223**	**36.3223**	**6.0500e-003**	**0.0000**	**36.4735**

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	2.5000e-004	0.0107	3.2700e-003	5.0000e-005	1.5700e-003	6.0000e-005	1.6400e-003	4.6000e-004	6.0000e-005	5.2000e-004	0.0000	4.6637	4.6637	1.0000e-004	6.9000e-004	4.8716
Worker	3.3100e-003	2.1600e-003	0.0286	9.0000e-005	0.0109	5.0000e-005	0.0110	2.9000e-003	5.0000e-005	2.9500e-003	0.0000	8.3355	8.3355	2.2000e-004	2.2000e-004	8.4062
Total	**3.5600e-003**	**0.0128**	**0.0319**	**1.4000e-004**	**0.0125**	**1.1000e-004**	**0.0126**	**3.3600e-003**	**1.1000e-004**	**3.4700e-003**	**0.0000**	**12.9992**	**12.9992**	**3.2000e-004**	**9.1000e-004**	**13.2779**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0284	0.2213	0.2503	4.4000e-004		9.0100e-003	9.0100e-003		8.7000e-003	8.7000e-003	0.0000	36.3222	36.3222	6.0500e-003	0.0000	36.4734
Total	**0.0284**	**0.2213**	**0.2503**	**4.4000e-004**		**9.0100e-003**	**9.0100e-003**		**8.7000e-003**	**8.7000e-003**	**0.0000**	**36.3222**	**36.3222**	**6.0500e-003**	**0.0000**	**36.4734**

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	2.5000e-004	0.0107	3.2700e-003	5.0000e-005	1.5700e-003	6.0000e-005	1.6400e-003	4.6000e-004	6.0000e-005	5.2000e-004	0.0000	4.6637	4.6637	1.0000e-004	6.9000e-004	4.8716
Worker	3.3100e-003	2.1600e-003	0.0286	9.0000e-005	0.0109	5.0000e-005	0.0110	2.9000e-003	5.0000e-005	2.9500e-003	0.0000	8.3355	8.3355	2.2000e-004	2.2000e-004	8.4062
Total	**3.5600e-003**	**0.0128**	**0.0319**	**1.4000e-004**	**0.0125**	**1.1000e-004**	**0.0126**	**3.3600e-003**	**1.1000e-004**	**3.4700e-003**	**0.0000**	**12.9992**	**12.9992**	**3.2000e-004**	**9.1000e-004**	**13.2779**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1060	0.8330	0.9952	1.7600e-003		0.0314	0.0314		0.0303	0.0303	0.0000	145.3058	145.3058	0.0237	0.0000	145.8989
Total	**0.1060**	**0.8330**	**0.9952**	**1.7600e-003**		**0.0314**	**0.0314**		**0.0303**	**0.0303**	**0.0000**	**145.3058**	**145.3058**	**0.0237**	**0.0000**	**145.8989**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7000e-004	0.0425	0.0128	1.9000e-004	6.3000e-003	2.5000e-004	6.5500e-003	1.8200e-003	2.4000e-004	2.0600e-003	0.0000	18.3229	18.3229	3.8000e-004	2.7100e-003	19.1397
Worker	0.0124	7.7800e-003	0.1074	3.4000e-004	0.0436	2.0000e-004	0.0438	0.0116	1.9000e-004	0.0118	0.0000	32.5455	32.5455	8.1000e-004	8.2000e-004	32.8099
Total	**0.0134**	**0.0503**	**0.1202**	**5.3000e-004**	**0.0499**	**4.5000e-004**	**0.0504**	**0.0134**	**4.3000e-004**	**0.0139**	**0.0000**	**50.8684**	**50.8684**	**1.1900e-003**	**3.5300e-003**	**51.9496**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1060	0.8330	0.9952	1.7600e-003		0.0314	0.0314		0.0303	0.0303	0.0000	145.3056	145.3056	0.0237	0.0000	145.8987
Total	**0.1060**	**0.8330**	**0.9952**	**1.7600e-003**		**0.0314**	**0.0314**		**0.0303**	**0.0303**	**0.0000**	**145.3056**	**145.3056**	**0.0237**	**0.0000**	**145.8987**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7000e-004	0.0425	0.0128	1.9000e-004	6.3000e-003	2.5000e-004	6.5500e-003	1.8200e-003	2.4000e-004	2.0600e-003	0.0000	18.3229	18.3229	3.8000e-004	2.7100e-003	19.1397
Worker	0.0124	7.7800e-003	0.1074	3.4000e-004	0.0436	2.0000e-004	0.0438	0.0116	1.9000e-004	0.0118	0.0000	32.5455	32.5455	8.1000e-004	8.2000e-004	32.8099
Total	**0.0134**	**0.0503**	**0.1202**	**5.3000e-004**	**0.0499**	**4.5000e-004**	**0.0504**	**0.0134**	**4.3000e-004**	**0.0139**	**0.0000**	**50.8684**	**50.8684**	**1.1900e-003**	**3.5300e-003**	**51.9496**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8700e-003	0.0266	0.0440	7.0000e-005		1.2300e-003	1.2300e-003		1.1400e-003	1.1400e-003	0.0000	5.8868	5.8868	1.8700e-003	0.0000	5.9334
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8700e-003**	**0.0266**	**0.0440**	**7.0000e-005**		**1.2300e-003**	**1.2300e-003**		**1.1400e-003**	**1.1400e-003**	**0.0000**	**5.8868**	**5.8868**	**1.8700e-003**	**0.0000**	**5.9334**

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	9.0000e-005	1.2600e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3832	0.3832	1.0000e-005	1.0000e-005	0.3864
Total	**1.5000e-004**	**9.0000e-005**	**1.2600e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.2000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.3832**	**0.3832**	**1.0000e-005**	**1.0000e-005**	**0.3864**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8700e-003	0.0266	0.0440	7.0000e-005		1.2300e-003	1.2300e-003		1.1400e-003	1.1400e-003	0.0000	5.8868	5.8868	1.8700e-003	0.0000	5.9334
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8700e-003**	**0.0266**	**0.0440**	**7.0000e-005**		**1.2300e-003**	**1.2300e-003**		**1.1400e-003**	**1.1400e-003**	**0.0000**	**5.8868**	**5.8868**	**1.8700e-003**	**0.0000**	**5.9334**

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	9.0000e-005	1.2600e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3832	0.3832	1.0000e-005	1.0000e-005	0.3864
Total	**1.5000e-004**	**9.0000e-005**	**1.2600e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.2000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.3832**	**0.3832**	**1.0000e-005**	**1.0000e-005**	**0.3864**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1641					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.7300e-003	9.0500e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**0.1650**	**5.7300e-003**	**9.0500e-003**	**1.0000e-005**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

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	1.6000e-004	1.0000e-004	1.3600e-003	0.0000	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4127	0.4127	1.0000e-005	1.0000e-005	0.4161
Total	**1.6000e-004**	**1.0000e-004**	**1.3600e-003**	**0.0000**	**5.5000e-004**	**0.0000**	**5.6000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4127**	**0.4127**	**1.0000e-005**	**1.0000e-005**	**0.4161**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1641					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.7300e-003	9.0500e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**0.1650**	**5.7300e-003**	**9.0500e-003**	**1.0000e-005**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

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	1.6000e-004	1.0000e-004	1.3600e-003	0.0000	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4127	0.4127	1.0000e-005	1.0000e-005	0.4161
Total	**1.6000e-004**	**1.0000e-004**	**1.3600e-003**	**0.0000**	**5.5000e-004**	**0.0000**	**5.6000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4127**	**0.4127**	**1.0000e-005**	**1.0000e-005**	**0.4161**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1381	0.1310	1.1190	2.0300e-003	0.2271	1.5800e-003	0.2287	0.0607	1.4700e-003	0.0622	0.0000	193.6408	193.6408	0.0152	0.0105	197.1517
Unmitigated	0.1685	0.1853	1.5718	3.2800e-003	0.3742	2.4100e-003	0.3766	0.1000	2.2400e-003	0.1022	0.0000	312.5573	312.5573	0.0200	0.0148	317.4605

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	462.40	417.35	347.65	1,015,237	616,184
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	462.40	417.35	347.65	1,015,237	616,184

4.3 Trip Type Information

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.554285	0.058871	0.188253	0.120585	0.022598	0.005697	0.010798	0.007525	0.000977	0.000545	0.026246	0.000848	0.002771
Enclosed Parking with Elevator	0.554285	0.058871	0.188253	0.120585	0.022598	0.005697	0.010798	0.007525	0.000977	0.000545	0.026246	0.000848	0.002771
Parking Lot	0.554285	0.058871	0.188253	0.120585	0.022598	0.005697	0.010798	0.007525	0.000977	0.000545	0.026246	0.000848	0.002771

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	37.4024	37.4024	6.0500e-003	7.3000e-004	37.7723
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	37.4024	37.4024	6.0500e-003	7.3000e-004	37.7723
NaturalGas Mitigated	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	38.0187	38.0187	7.3000e-004	7.0000e-004	38.2446
NaturalGas Unmitigated	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	38.0187	38.0187	7.3000e-004	7.0000e-004	38.2446

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	712443	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	38.0187	38.0187	7.3000e-004	7.0000e-004	38.2446
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.8400e-003**	**0.0328**	**0.0140**	**2.1000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**38.0187**	**38.0187**	**7.3000e-004**	**7.0000e-004**	**38.2446**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	712443	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	38.0187	38.0187	7.3000e-004	7.0000e-004	38.2446
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.8400e-003**	**0.0328**	**0.0140**	**2.1000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**38.0187**	**38.0187**	**7.3000e-004**	**7.0000e-004**	**38.2446**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	328647	30.4076	4.9200e-003	6.0000e-004	30.7083
Enclosed Parking with Elevator	73984	6.8453	1.1100e-003	1.3000e-004	6.9130
Parking Lot	1615.95	0.1495	2.0000e-005	0.0000	0.1510
Total		**37.4024**	**6.0500e-003**	**7.3000e-004**	**37.7723**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	328647	30.4076	4.9200e-003	6.0000e-004	30.7083
Enclosed Parking with Elevator	73984	6.8453	1.1100e-003	1.3000e-004	6.9130
Parking Lot	1615.95	0.1495	2.0000e-005	0.0000	0.1510
Total		**37.4024**	**6.0500e-003**	**7.3000e-004**	**37.7723**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1322	8.2600e-003	0.6916	2.3000e-004		0.0134	0.0134		0.0134	0.0134	1.3257	1.0317	2.3575	7.1900e-003	0.0000	2.5371
Unmitigated	0.1322	8.2600e-003	0.6916	2.3000e-004		0.0134	0.0134		0.0134	0.0134	1.3257	1.0317	2.3575	7.1900e-003	0.0000	2.5371

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	0.0164					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.6800e-003	9.9000e-004	0.0607	2.0000e-004		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	1.3257	0.0000	1.3257	6.2000e-003	0.0000	1.4807
Landscaping	0.0190	7.2700e-003	0.6309	3.0000e-005		3.5000e-003	3.5000e-003		3.5000e-003	3.5000e-003	0.0000	1.0317	1.0317	9.9000e-004	0.0000	1.0565
Total	**0.1322**	**8.2600e-003**	**0.6916**	**2.3000e-004**		**0.0134**	**0.0134**		**0.0134**	**0.0134**	**1.3257**	**1.0317**	**2.3575**	**7.1900e-003**	**0.0000**	**2.5371**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0164					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.6800e-003	9.9000e-004	0.0607	2.0000e-004		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	1.3257	0.0000	1.3257	6.2000e-003	0.0000	1.4807
Landscaping	0.0190	7.2700e-003	0.6309	3.0000e-005		3.5000e-003	3.5000e-003		3.5000e-003	3.5000e-003	0.0000	1.0317	1.0317	9.9000e-004	0.0000	1.0565
Total	**0.1322**	**8.2600e-003**	**0.6916**	**2.3000e-004**		**0.0134**	**0.0134**		**0.0134**	**0.0134**	**1.3257**	**1.0317**	**2.3575**	**7.1900e-003**	**0.0000**	**2.5371**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.7543	0.1449	3.4700e-003	9.4124
Unmitigated	5.6602	0.1811	4.3400e-003	11.4801

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.53809 / 3.49141	5.6602	0.1811	4.3400e-003	11.4801
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**5.6602**	**0.1811**	**4.3400e-003**	**11.4801**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	4.43047 / 3.49141	4.7543	0.1449	3.4700e-003	9.4124
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**4.7543**	**0.1449**	**3.4700e-003**	**9.4124**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.9370	0.4691	0.0000	19.6635
Unmitigated	7.9370	0.4691	0.0000	19.6635

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	39.1	7.9370	0.4691	0.0000	19.6635
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**7.9370**	**0.4691**	**0.0000**	**19.6635**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	39.1	7.9370	0.4691	0.0000	19.6635
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**7.9370**	**0.4691**	**0.0000**	**19.6635**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1265 Montecito Residential Project AQ Analysis

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	34.00	Space	0.00	13,600.00	0
Parking Lot	10.00	Space	0.00	4,617.00	0
Apartments Mid Rise	85.00	Dwelling Unit	1.04	22,775.00	243

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
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 -

Land Use - Land Use - Based on project details, property size is 1.04 acres and the proposed building would occupy 22,775 square feet. Drive aisle would occupy 4,617 square feet.

Construction Phase -

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Trips and VMT -

Demolition - Demolition - Demolition of existing building, provided by applicant

Grading -

Architectural Coating -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Woodstoves - Proposed project would not include fireplaces according to applicant-provided construction information

Area Coating -

Mobile Land Use Mitigation -

Energy Mitigation - Energy Mitigation - Project site plans indicate photovoltaic panels will be installed on rooftop

Water Mitigation - In order to account for compliance with CALGreen, a 20 percent reduction in indoor water use and the use of water-efficient irrigation systems were included in the water consumption
calculations for new development

Fleet Mix -

Construction Off-road Equipment Mitigation - Implementation of BAAQMD basic construction mitigation measures.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	12.75	0.00
tblFireplaces	NumberNoFireplace	3.40	0.00
tblFireplaces	NumberWood	14.45	0.00
tblLandUse	LandUseSquareFeet	4,000.00	4,617.00
tblLandUse	LandUseSquareFeet	85,000.00	22,775.00
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	2.24	1.04

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.6070	14.4081	14.2154	0.0292	7.1647	0.6359	7.7374	3.4465	0.5940	3.9734	0.0000	2,749.2299	2,749.2299	0.6471	0.0491	2,772.6138
2025	33.0282	11.0120	14.0381	0.0290	0.6481	0.3982	1.0463	0.1738	0.3839	0.5576	0.0000	2,733.1090	2,733.1090	0.4134	0.0477	2,755.8901
Maximum	**33.0282**	**14.4081**	**14.2154**	**0.0292**	**7.1647**	**0.6359**	**7.7374**	**3.4465**	**0.5940**	**3.9734**	**0.0000**	**2,749.2299**	**2,749.2299**	**0.6471**	**0.0491**	**2,772.6138**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.6070	14.4081	14.2154	0.0292	3.2693	0.6359	3.8419	1.5629	0.5940	2.0897	0.0000	2,749.2299	2,749.2299	0.6471	0.0491	2,772.6138
2025	33.0282	11.0120	14.0381	0.0290	0.6481	0.3982	1.0463	0.1738	0.3839	0.5576	0.0000	2,733.1090	2,733.1090	0.4134	0.0477	2,755.8901
Maximum	**33.0282**	**14.4081**	**14.2154**	**0.0292**	**3.2693**	**0.6359**	**3.8419**	**1.5629**	**0.5940**	**2.0897**	**0.0000**	**2,749.2299**	**2,749.2299**	**0.6471**	**0.0491**	**2,772.6138**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	49.86	0.00	44.35	52.03	0.00	41.57	0.00	0.00	0.00	0.00	0.00	0.00

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1.7411	0.2210	15.6070	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9798	0.0000	244.1218
Energy	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Mobile	1.0878	0.9862	9.0173	0.0200	2.2480	0.0139	2.2619	0.5988	0.0130	0.6117		2,098.2704	2,098.2704	0.1191	0.0895	2,127.9055
Total	**2.8500**	**1.3870**	**24.7009**	**0.0496**	**2.2480**	**1.4698**	**3.7177**	**0.5988**	**1.4688**	**2.0676**	**206.9912**	**2,340.5420**	**2,547.5332**	**1.1032**	**0.0937**	**2,603.0269**

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	1.7411	0.2210	15.6070	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9798	0.0000	244.1218
Energy	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Mobile	0.9160	0.6968	6.2297	0.0124	1.3644	9.1200e-003	1.3735	0.3634	8.4900e-003	0.3719		1,298.2234	1,298.2234	0.0889	0.0633	1,319.3099
Total	**2.6782**	**1.0977**	**21.9132**	**0.0419**	**1.3644**	**1.4649**	**2.8293**	**0.3634**	**1.4643**	**1.8277**	**206.9912**	**1,540.4950**	**1,747.4862**	**1.0731**	**0.0675**	**1,794.4314**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**6.03**	**20.86**	**11.29**	**15.38**	**39.31**	**0.33**	**23.90**	**39.31**	**0.31**	**11.60**	**0.00**	**34.18**	**31.40**	**2.73**	**27.93**	**31.06**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2024	10/28/2024	5	20	
2	Site Preparation	Site Preparation	10/29/2024	10/30/2024	5	2	
3	Grading	Grading	10/31/2024	11/5/2024	5	4	
4	Building Construction	Building Construction	11/6/2024	8/12/2025	5	200	
5	Paving	Paving	8/13/2025	8/26/2025	5	10	
6	Architectural Coating	Architectural Coating	8/27/2025	9/9/2025	5	10	

Acres of Grading (Site Preparation Phase): 1.88

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 46,119; Residential Outdoor: 15,373; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,093 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	77.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	69.00	12.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8367	0.0000	0.8367	0.1267	0.0000	0.1267			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	**1.4397**	**13.8867**	**13.4879**	**0.0241**	**0.8367**	**0.6311**	**1.4678**	**0.1267**	**0.5895**	**0.7161**		**2,324.9459**	**2,324.9459**	**0.5884**		**2,339.6562**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.2100e-003	0.5034	0.1229	2.2800e-003	0.0673	4.2600e-003	0.0716	0.0185	4.0700e-003	0.0225		249.2324	249.2324	8.3500e-003	0.0395	261.2118
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	0.0329	0.0180	0.2896	9.0000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		92.3990	92.3990	2.1600e-003	2.1000e-003	93.0774
Total	**0.0411**	**0.5215**	**0.4125**	**3.1800e-003**	**0.1741**	**4.7600e-003**	**0.1789**	**0.0468**	**4.5300e-003**	**0.0513**		**341.6313**	**341.6313**	**0.0105**	**0.0416**	**354.2892**

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					0.3765	0.0000	0.3765	0.0570	0.0000	0.0570			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	**1.4397**	**13.8867**	**13.4879**	**0.0241**	**0.3765**	**0.6311**	**1.0076**	**0.0570**	**0.5895**	**0.6465**	**0.0000**	**2,324.9459**	**2,324.9459**	**0.5884**		**2,339.6562**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.2100e-003	0.5034	0.1229	2.2800e-003	0.0673	4.2600e-003	0.0716	0.0185	4.0700e-003	0.0225		249.2324	249.2324	8.3500e-003	0.0395	261.2118
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	0.0329	0.0180	0.2896	9.0000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		92.3990	92.3990	2.1600e-003	2.1000e-003	93.0774
Total	**0.0411**	**0.5215**	**0.4125**	**3.1800e-003**	**0.1741**	**4.7600e-003**	**0.1789**	**0.0468**	**4.5300e-003**	**0.0513**		**341.6313**	**341.6313**	**0.0105**	**0.0416**	**354.2892**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2662	0.0000	6.2662	3.0041	0.0000	3.0041			0.0000			0.0000
Off-Road	1.1067	11.8407	6.6317	0.0172		0.4823	0.4823		0.4437	0.4437		1,665.8826	1,665.8826	0.5388		1,679.3521
Total	**1.1067**	**11.8407**	**6.6317**	**0.0172**	**6.2662**	**0.4823**	**6.7485**	**3.0041**	**0.4437**	**3.4478**		**1,665.8826**	**1,665.8826**	**0.5388**		**1,679.3521**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0202	0.0111	0.1782	5.5000e-004	0.0657	3.1000e-004	0.0660	0.0174	2.9000e-004	0.0177		56.8609	56.8609	1.3300e-003	1.2900e-003	57.2784
Total	**0.0202**	**0.0111**	**0.1782**	**5.5000e-004**	**0.0657**	**3.1000e-004**	**0.0660**	**0.0174**	**2.9000e-004**	**0.0177**		**56.8609**	**56.8609**	**1.3300e-003**	**1.2900e-003**	**57.2784**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8198	0.0000	2.8198	1.3518	0.0000	1.3518			0.0000			0.0000
Off-Road	1.1067	11.8407	6.6317	0.0172		0.4823	0.4823		0.4437	0.4437	0.0000	1,665.8826	1,665.8826	0.5388		1,679.3521
Total	**1.1067**	**11.8407**	**6.6317**	**0.0172**	**2.8198**	**0.4823**	**3.3020**	**1.3518**	**0.4437**	**1.7955**	**0.0000**	**1,665.8826**	**1,665.8826**	**0.5388**		**1,679.3521**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0202	0.0111	0.1782	5.5000e-004	0.0657	3.1000e-004	0.0660	0.0174	2.9000e-004	0.0177		56.8609	56.8609	1.3300e-003	1.2900e-003	57.2784
Total	**0.0202**	**0.0111**	**0.1782**	**5.5000e-004**	**0.0657**	**3.1000e-004**	**0.0660**	**0.0174**	**2.9000e-004**	**0.0177**		**56.8609**	**56.8609**	**1.3300e-003**	**1.2900e-003**	**57.2784**

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	**1.3015**	**13.8178**	**8.6998**	**0.0206**	**7.0826**	**0.5722**	**7.6548**	**3.4247**	**0.5265**	**3.9512**		**1,995.5803**	**1,995.5803**	**0.6454**		**2,011.7155**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0139	0.2228	6.9000e-004	0.0822	3.9000e-004	0.0825	0.0218	3.6000e-004	0.0222		71.0761	71.0761	1.6600e-003	1.6100e-003	71.5980
Total	**0.0253**	**0.0139**	**0.2228**	**6.9000e-004**	**0.0822**	**3.9000e-004**	**0.0825**	**0.0218**	**3.6000e-004**	**0.0222**		**71.0761**	**71.0761**	**1.6600e-003**	**1.6100e-003**	**71.5980**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	**1.3015**	**13.8178**	**8.6998**	**0.0206**	**3.1872**	**0.5722**	**3.7594**	**1.5411**	**0.5265**	**2.0676**	**0.0000**	**1,995.5803**	**1,995.5803**	**0.6454**		**2,011.7155**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0139	0.2228	6.9000e-004	0.0822	3.9000e-004	0.0825	0.0218	3.6000e-004	0.0222		71.0761	71.0761	1.6600e-003	1.6100e-003	71.5980
Total	**0.0253**	**0.0139**	**0.2228**	**6.9000e-004**	**0.0822**	**3.9000e-004**	**0.0825**	**0.0218**	**3.6000e-004**	**0.0222**		**71.0761**	**71.0761**	**1.6600e-003**	**1.6100e-003**	**71.5980**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**		**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0127	0.5149	0.1609	2.3900e-003	0.0813	3.1400e-003	0.0844	0.0234	3.0100e-003	0.0264		256.8833	256.8833	5.3100e-003	0.0380	268.3314
Worker	0.1743	0.0957	1.5373	4.7500e-003	0.5668	2.6800e-003	0.5695	0.1504	2.4600e-003	0.1528		490.4252	490.4252	0.0115	0.0111	494.0262
Total	**0.1870**	**0.6107**	**1.6982**	**7.1400e-003**	**0.6481**	**5.8200e-003**	**0.6539**	**0.1738**	**5.4700e-003**	**0.1792**		**747.3085**	**747.3085**	**0.0168**	**0.0491**	**762.3575**

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	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**	**0.0000**	**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0127	0.5149	0.1609	2.3900e-003	0.0813	3.1400e-003	0.0844	0.0234	3.0100e-003	0.0264		256.8833	256.8833	5.3100e-003	0.0380	268.3314
Worker	0.1743	0.0957	1.5373	4.7500e-003	0.5668	2.6800e-003	0.5695	0.1504	2.4600e-003	0.1528		490.4252	490.4252	0.0115	0.0111	494.0262
Total	**0.1870**	**0.6107**	**1.6982**	**7.1400e-003**	**0.6481**	**5.8200e-003**	**0.6539**	**0.1738**	**5.4700e-003**	**0.1792**		**747.3085**	**747.3085**	**0.0168**	**0.0491**	**762.3575**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**		**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0124	0.5130	0.1580	2.3500e-003	0.0813	3.1400e-003	0.0844	0.0234	3.0000e-003	0.0264		252.3116	252.3116	5.2800e-003	0.0373	263.5530
Worker	0.1638	0.0863	1.4408	4.5900e-003	0.5668	2.5600e-003	0.5694	0.1504	2.3600e-003	0.1527		478.6450	478.6450	0.0104	0.0104	482.0123
Total	**0.1762**	**0.5993**	**1.5988**	**6.9400e-003**	**0.6481**	**5.7000e-003**	**0.6538**	**0.1738**	**5.3600e-003**	**0.1791**		**730.9566**	**730.9566**	**0.0157**	**0.0477**	**745.5653**

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	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**	**0.0000**	**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0124	0.5130	0.1580	2.3500e-003	0.0813	3.1400e-003	0.0844	0.0234	3.0000e-003	0.0264		252.3116	252.3116	5.2800e-003	0.0373	263.5530
Worker	0.1638	0.0863	1.4408	4.5900e-003	0.5668	2.5600e-003	0.5694	0.1504	2.3600e-003	0.1527		478.6450	478.6450	0.0104	0.0104	482.0123
Total	**0.1762**	**0.5993**	**1.5988**	**6.9400e-003**	**0.6481**	**5.7000e-003**	**0.6538**	**0.1738**	**5.3600e-003**	**0.1791**		**730.9566**	**730.9566**	**0.0157**	**0.0477**	**745.5653**

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**		**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0309	0.0163	0.2715	8.7000e-004	0.1068	4.8000e-004	0.1073	0.0283	4.4000e-004	0.0288		90.1795	90.1795	1.9600e-003	1.9600e-003	90.8139
Total	**0.0309**	**0.0163**	**0.2715**	**8.7000e-004**	**0.1068**	**4.8000e-004**	**0.1073**	**0.0283**	**4.4000e-004**	**0.0288**		**90.1795**	**90.1795**	**1.9600e-003**	**1.9600e-003**	**90.8139**

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	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**	**0.0000**	**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0309	0.0163	0.2715	8.7000e-004	0.1068	4.8000e-004	0.1073	0.0283	4.4000e-004	0.0288		90.1795	90.1795	1.9600e-003	1.9600e-003	90.8139
Total	**0.0309**	**0.0163**	**0.2715**	**8.7000e-004**	**0.1068**	**4.8000e-004**	**0.1073**	**0.0283**	**4.4000e-004**	**0.0288**		**90.1795**	**90.1795**	**1.9600e-003**	**1.9600e-003**	**90.8139**

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**32.9950**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0332	0.0175	0.2923	9.3000e-004	0.1150	5.2000e-004	0.1155	0.0305	4.8000e-004	0.0310		97.1164	97.1164	2.1100e-003	2.1200e-003	97.7996
Total	**0.0332**	**0.0175**	**0.2923**	**9.3000e-004**	**0.1150**	**5.2000e-004**	**0.1155**	**0.0305**	**4.8000e-004**	**0.0310**		**97.1164**	**97.1164**	**2.1100e-003**	**2.1200e-003**	**97.7996**

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	32.8241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**32.9950**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0332	0.0175	0.2923	9.3000e-004	0.1150	5.2000e-004	0.1155	0.0305	4.8000e-004	0.0310		97.1164	97.1164	2.1100e-003	2.1200e-003	97.7996
Total	**0.0332**	**0.0175**	**0.2923**	**9.3000e-004**	**0.1150**	**5.2000e-004**	**0.1155**	**0.0305**	**4.8000e-004**	**0.0310**		**97.1164**	**97.1164**	**2.1100e-003**	**2.1200e-003**	**97.7996**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.9160	0.6968	6.2297	0.0124	1.3644	9.1200e-003	1.3735	0.3634	8.4900e-003	0.3719		1,298.2234	1,298.2234	0.0889	0.0633	1,319.3099
Unmitigated	1.0878	0.9862	9.0173	0.0200	2.2480	0.0139	2.2619	0.5988	0.0130	0.6117		2,098.2704	2,098.2704	0.1191	0.0895	2,127.9055

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	462.40	417.35	347.65	1,015,237	616,184
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	462.40	417.35	347.65	1,015,237	616,184

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.554285	0.058871	0.188253	0.120585	0.022598	0.005697	0.010798	0.007525	0.000977	0.000545	0.026246	0.000848	0.002771
Enclosed Parking with Elevator	0.554285	0.058871	0.188253	0.120585	0.022598	0.005697	0.010798	0.007525	0.000977	0.000545	0.026246	0.000848	0.002771

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Parking Lot	0.554285	0.058871	0.188253	0.120585	0.022598	0.005697	0.010798	0.007525	0.000977	0.000545	0.026246	0.000848	0.002771

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	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
NaturalGas Unmitigated	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1951.9	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0211**	**0.1799**	**0.0766**	**1.1500e-003**		**0.0145**	**0.0145**		**0.0145**	**0.0145**		**229.6351**	**229.6351**	**4.4000e-003**	**4.2100e-003**	**230.9997**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.9519	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0211**	**0.1799**	**0.0766**	**1.1500e-003**		**0.0145**	**0.0145**		**0.0145**	**0.0145**		**229.6351**	**229.6351**	**4.4000e-003**	**4.2100e-003**	**230.9997**

6.0 Area Detail

6.1 Mitigation Measures Area

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7411	0.2210	15.6070	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9798	0.0000	244.1218
Unmitigated	1.7411	0.2210	15.6070	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9798	0.0000	244.1218

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	0.0899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9466	0.1402	8.5966	0.0281		1.4024	1.4024		1.4024	1.4024	206.9912	0.0000	206.9912	0.9676	0.0000	231.1823
Landscaping	0.2108	0.0807	7.0104	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6366	12.6366	0.0121		12.9395
Total	**1.7411**	**0.2210**	**15.6070**	**0.0284**		**1.4413**	**1.4413**		**1.4413**	**1.4413**	**206.9912**	**12.6366**	**219.6278**	**0.9798**	**0.0000**	**244.1218**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9466	0.1402	8.5966	0.0281		1.4024	1.4024		1.4024	1.4024	206.9912	0.0000	206.9912	0.9676	0.0000	231.1823
Landscaping	0.2108	0.0807	7.0104	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6366	12.6366	0.0121		12.9395
Total	**1.7411**	**0.2210**	**15.6070**	**0.0284**		**1.4413**	**1.4413**		**1.4413**	**1.4413**	**206.9912**	**12.6366**	**219.6278**	**0.9798**	**0.0000**	**244.1218**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1265 Montecito Residential Project AQ Analysis

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	34.00	Space	0.00	13,600.00	0
Parking Lot	10.00	Space	0.00	4,617.00	0
Apartments Mid Rise	85.00	Dwelling Unit	1.04	22,775.00	243

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2026
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 -

Land Use - Land Use - Based on project details, property size is 1.04 acres and the proposed building would occupy 22,775 square feet. Drive aisle would occupy 4,617 square feet.

Construction Phase -

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Trips and VMT -

Demolition - Demolition - Demolition of existing building, provided by applicant

Grading -

Architectural Coating -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Woodstoves - Woodstoves - Proposed project would not include fireplaces according to applicant-provided construction information

Area Coating -

Mobile Land Use Mitigation -

Energy Mitigation - Energy Mitigation - Project site plans indicate photovoltaic panels will be installed on rooftop

Water Mitigation - In order to account for compliance with CALGreen, a 20 percent reduction in indoor water use and the use of water-efficient irrigation systems were included in the water consumption
calculations for new development

Fleet Mix -

Construction Off-road Equipment Mitigation - Implementation of BAAQMD basic construction mitigation measures.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	12.75	0.00
tblFireplaces	NumberNoFireplace	3.40	0.00
tblFireplaces	NumberWood	14.45	0.00
tblLandUse	LandUseSquareFeet	4,000.00	4,617.00
tblLandUse	LandUseSquareFeet	85,000.00	22,775.00
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	2.24	1.04

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.6117	14.4414	14.1612	0.0289	7.1647	0.6359	7.7374	3.4465	0.5940	3.9734	0.0000	2,714.9170	2,714.9170	0.6473	0.0509	2,738.8675
2025	33.0293	11.0620	13.9915	0.0287	0.6481	0.3982	1.0463	0.1738	0.3839	0.5577	0.0000	2,699.6921	2,699.6921	0.4137	0.0494	2,723.0034
Maximum	**33.0293**	**14.4414**	**14.1612**	**0.0289**	**7.1647**	**0.6359**	**7.7374**	**3.4465**	**0.5940**	**3.9734**	**0.0000**	**2,714.9170**	**2,714.9170**	**0.6473**	**0.0509**	**2,738.8675**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.6117	14.4414	14.1612	0.0289	3.2693	0.6359	3.8419	1.5629	0.5940	2.0897	0.0000	2,714.9170	2,714.9170	0.6473	0.0509	2,738.8675
2025	33.0293	11.0620	13.9915	0.0287	0.6481	0.3982	1.0463	0.1738	0.3839	0.5577	0.0000	2,699.6921	2,699.6921	0.4137	0.0494	2,723.0034
Maximum	**33.0293**	**14.4414**	**14.1612**	**0.0289**	**3.2693**	**0.6359**	**3.8419**	**1.5629**	**0.5940**	**2.0897**	**0.0000**	**2,714.9170**	**2,714.9170**	**0.6473**	**0.0509**	**2,738.8675**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	49.86	0.00	44.35	52.03	0.00	41.57	0.00	0.00	0.00	0.00	0.00	0.00

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1.7411	0.2210	15.6070	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9798	0.0000	244.1218
Energy	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Mobile	0.9736	1.1318	9.7042	0.0189	2.2480	0.0140	2.2619	0.5988	0.0130	0.6117		1,982.0919	1,982.0919	0.1345	0.0978	2,014.6122
Total	**2.7358**	**1.5327**	**25.3877**	**0.0485**	**2.2480**	**1.4698**	**3.7178**	**0.5988**	**1.4688**	**2.0676**	**206.9912**	**2,224.3636**	**2,431.3548**	**1.1187**	**0.1021**	**2,489.7336**

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	1.7411	0.2210	15.6070	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9798	0.0000	244.1218
Energy	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Mobile	0.7927	0.8016	7.0008	0.0117	1.3644	9.1300e-003	1.3735	0.3634	8.5000e-003	0.3719		1,228.4724	1,228.4724	0.1038	0.0697	1,251.8422
Total	**2.5549**	**1.2024**	**22.6844**	**0.0413**	**1.3644**	**1.4649**	**2.8293**	**0.3634**	**1.4643**	**1.8277**	**206.9912**	**1,470.7440**	**1,677.7353**	**1.0880**	**0.0739**	**1,726.9636**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**6.61**	**21.55**	**10.65**	**14.82**	**39.31**	**0.33**	**23.90**	**39.31**	**0.31**	**11.60**	**0.00**	**33.88**	**31.00**	**2.74**	**27.56**	**30.64**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2024	10/28/2024	5	20	
2	Site Preparation	Site Preparation	10/29/2024	10/30/2024	5	2	
3	Grading	Grading	10/31/2024	11/5/2024	5	4	
4	Building Construction	Building Construction	11/6/2024	8/12/2025	5	200	
5	Paving	Paving	8/13/2025	8/26/2025	5	10	
6	Architectural Coating	Architectural Coating	8/27/2025	9/9/2025	5	10	

Acres of Grading (Site Preparation Phase): 1.88

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 46,119; Residential Outdoor: 15,373; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,093 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	77.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	69.00	12.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8367	0.0000	0.8367	0.1267	0.0000	0.1267			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	**1.4397**	**13.8867**	**13.4879**	**0.0241**	**0.8367**	**0.6311**	**1.4678**	**0.1267**	**0.5895**	**0.7161**		**2,324.9459**	**2,324.9459**	**0.5884**		**2,339.6562**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.7100e-003	0.5325	0.1244	2.2900e-003	0.0673	4.2600e-003	0.0716	0.0185	4.0800e-003	0.0225		249.4704	249.4704	8.3200e-003	0.0395	261.4611
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	0.0338	0.0223	0.2784	8.3000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		85.8634	85.8634	2.4600e-003	2.4100e-003	86.6434
Total	**0.0415**	**0.5547**	**0.4028**	**3.1200e-003**	**0.1741**	**4.7600e-003**	**0.1789**	**0.0468**	**4.5400e-003**	**0.0513**		**335.3338**	**335.3338**	**0.0108**	**0.0420**	**348.1045**

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					0.3765	0.0000	0.3765	0.0570	0.0000	0.0570			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	**1.4397**	**13.8867**	**13.4879**	**0.0241**	**0.3765**	**0.6311**	**1.0076**	**0.0570**	**0.5895**	**0.6465**	**0.0000**	**2,324.9459**	**2,324.9459**	**0.5884**		**2,339.6562**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.7100e-003	0.5325	0.1244	2.2900e-003	0.0673	4.2600e-003	0.0716	0.0185	4.0800e-003	0.0225		249.4704	249.4704	8.3200e-003	0.0395	261.4611
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	0.0338	0.0223	0.2784	8.3000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		85.8634	85.8634	2.4600e-003	2.4100e-003	86.6434
Total	**0.0415**	**0.5547**	**0.4028**	**3.1200e-003**	**0.1741**	**4.7600e-003**	**0.1789**	**0.0468**	**4.5400e-003**	**0.0513**		**335.3338**	**335.3338**	**0.0108**	**0.0420**	**348.1045**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2662	0.0000	6.2662	3.0041	0.0000	3.0041			0.0000			0.0000
Off-Road	1.1067	11.8407	6.6317	0.0172		0.4823	0.4823		0.4437	0.4437		1,665.8826	1,665.8826	0.5388		1,679.3521
Total	**1.1067**	**11.8407**	**6.6317**	**0.0172**	**6.2662**	**0.4823**	**6.7485**	**3.0041**	**0.4437**	**3.4478**		**1,665.8826**	**1,665.8826**	**0.5388**		**1,679.3521**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0208	0.0137	0.1713	5.1000e-004	0.0657	3.1000e-004	0.0660	0.0174	2.9000e-004	0.0177		52.8390	52.8390	1.5200e-003	1.4800e-003	53.3190
Total	**0.0208**	**0.0137**	**0.1713**	**5.1000e-004**	**0.0657**	**3.1000e-004**	**0.0660**	**0.0174**	**2.9000e-004**	**0.0177**		**52.8390**	**52.8390**	**1.5200e-003**	**1.4800e-003**	**53.3190**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.8198	0.0000	2.8198	1.3518	0.0000	1.3518			0.0000			0.0000
Off-Road	1.1067	11.8407	6.6317	0.0172		0.4823	0.4823		0.4437	0.4437	0.0000	1,665.8826	1,665.8826	0.5388		1,679.3521
Total	**1.1067**	**11.8407**	**6.6317**	**0.0172**	**2.8198**	**0.4823**	**3.3020**	**1.3518**	**0.4437**	**1.7955**	**0.0000**	**1,665.8826**	**1,665.8826**	**0.5388**		**1,679.3521**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0208	0.0137	0.1713	5.1000e-004	0.0657	3.1000e-004	0.0660	0.0174	2.9000e-004	0.0177		52.8390	52.8390	1.5200e-003	1.4800e-003	53.3190
Total	**0.0208**	**0.0137**	**0.1713**	**5.1000e-004**	**0.0657**	**3.1000e-004**	**0.0660**	**0.0174**	**2.9000e-004**	**0.0177**		**52.8390**	**52.8390**	**1.5200e-003**	**1.4800e-003**	**53.3190**

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	**1.3015**	**13.8178**	**8.6998**	**0.0206**	**7.0826**	**0.5722**	**7.6548**	**3.4247**	**0.5265**	**3.9512**		**1,995.5803**	**1,995.5803**	**0.6454**		**2,011.7155**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0260	0.0171	0.2141	6.4000e-004	0.0822	3.9000e-004	0.0825	0.0218	3.6000e-004	0.0222		66.0487	66.0487	1.9000e-003	1.8500e-003	66.6488
Total	**0.0260**	**0.0171**	**0.2141**	**6.4000e-004**	**0.0822**	**3.9000e-004**	**0.0825**	**0.0218**	**3.6000e-004**	**0.0222**		**66.0487**	**66.0487**	**1.9000e-003**	**1.8500e-003**	**66.6488**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.1872	0.0000	3.1872	1.5411	0.0000	1.5411			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	**1.3015**	**13.8178**	**8.6998**	**0.0206**	**3.1872**	**0.5722**	**3.7594**	**1.5411**	**0.5265**	**2.0676**	**0.0000**	**1,995.5803**	**1,995.5803**	**0.6454**		**2,011.7155**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0260	0.0171	0.2141	6.4000e-004	0.0822	3.9000e-004	0.0825	0.0218	3.6000e-004	0.0222		66.0487	66.0487	1.9000e-003	1.8500e-003	66.6488
Total	**0.0260**	**0.0171**	**0.2141**	**6.4000e-004**	**0.0822**	**3.9000e-004**	**0.0825**	**0.0218**	**3.6000e-004**	**0.0222**		**66.0487**	**66.0487**	**1.9000e-003**	**1.8500e-003**	**66.6488**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**		**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0122	0.5449	0.1664	2.4000e-003	0.0813	3.1500e-003	0.0844	0.0234	3.0200e-003	0.0264		257.2593	257.2593	5.2800e-003	0.0381	268.7348
Worker	0.1795	0.1181	1.4776	4.4200e-003	0.5668	2.6800e-003	0.5695	0.1504	2.4600e-003	0.1528		455.7362	455.7362	0.0131	0.0128	459.8764
Total	**0.1918**	**0.6630**	**1.6440**	**6.8200e-003**	**0.6481**	**5.8300e-003**	**0.6539**	**0.1738**	**5.4800e-003**	**0.1792**		**712.9956**	**712.9956**	**0.0184**	**0.0509**	**728.6112**

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	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**	**0.0000**	**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0122	0.5449	0.1664	2.4000e-003	0.0813	3.1500e-003	0.0844	0.0234	3.0200e-003	0.0264		257.2593	257.2593	5.2800e-003	0.0381	268.7348
Worker	0.1795	0.1181	1.4776	4.4200e-003	0.5668	2.6800e-003	0.5695	0.1504	2.4600e-003	0.1528		455.7362	455.7362	0.0131	0.0128	459.8764
Total	**0.1918**	**0.6630**	**1.6440**	**6.8200e-003**	**0.6481**	**5.8300e-003**	**0.6539**	**0.1738**	**5.4800e-003**	**0.1792**		**712.9956**	**712.9956**	**0.0184**	**0.0509**	**728.6112**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**		**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0119	0.5428	0.1635	2.3500e-003	0.0813	3.1500e-003	0.0844	0.0234	3.0200e-003	0.0264		252.6882	252.6882	5.2500e-003	0.0374	263.9562
Worker	0.1692	0.1064	1.3886	4.2700e-003	0.5668	2.5600e-003	0.5694	0.1504	2.3600e-003	0.1527		444.8514	444.8514	0.0119	0.0120	448.7225
Total	**0.1811**	**0.6492**	**1.5522**	**6.6200e-003**	**0.6481**	**5.7100e-003**	**0.6538**	**0.1738**	**5.3800e-003**	**0.1791**		**697.5396**	**697.5396**	**0.0172**	**0.0494**	**712.6786**

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	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**	**0.0000**	**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0119	0.5428	0.1635	2.3500e-003	0.0813	3.1500e-003	0.0844	0.0234	3.0200e-003	0.0264		252.6882	252.6882	5.2500e-003	0.0374	263.9562
Worker	0.1692	0.1064	1.3886	4.2700e-003	0.5668	2.5600e-003	0.5694	0.1504	2.3600e-003	0.1527		444.8514	444.8514	0.0119	0.0120	448.7225
Total	**0.1811**	**0.6492**	**1.5522**	**6.6200e-003**	**0.6481**	**5.7100e-003**	**0.6538**	**0.1738**	**5.3800e-003**	**0.1791**		**697.5396**	**697.5396**	**0.0172**	**0.0494**	**712.6786**

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**		**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0319	0.0200	0.2616	8.0000e-004	0.1068	4.8000e-004	0.1073	0.0283	4.4000e-004	0.0288		83.8126	83.8126	2.2400e-003	2.2600e-003	84.5419
Total	**0.0319**	**0.0200**	**0.2616**	**8.0000e-004**	**0.1068**	**4.8000e-004**	**0.1073**	**0.0283**	**4.4000e-004**	**0.0288**		**83.8126**	**83.8126**	**2.2400e-003**	**2.2600e-003**	**84.5419**

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	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5732**	**5.3259**	**8.7951**	**0.0136**		**0.2465**	**0.2465**		**0.2276**	**0.2276**	**0.0000**	**1,297.8096**	**1,297.8096**	**0.4114**		**1,308.0951**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0319	0.0200	0.2616	8.0000e-004	0.1068	4.8000e-004	0.1073	0.0283	4.4000e-004	0.0288		83.8126	83.8126	2.2400e-003	2.2600e-003	84.5419
Total	**0.0319**	**0.0200**	**0.2616**	**8.0000e-004**	**0.1068**	**4.8000e-004**	**0.1073**	**0.0283**	**4.4000e-004**	**0.0288**		**83.8126**	**83.8126**	**2.2400e-003**	**2.2600e-003**	**84.5419**

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**32.9950**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0343	0.0216	0.2818	8.7000e-004	0.1150	5.2000e-004	0.1155	0.0305	4.8000e-004	0.0310		90.2597	90.2597	2.4100e-003	2.4300e-003	91.0451
Total	**0.0343**	**0.0216**	**0.2818**	**8.7000e-004**	**0.1150**	**5.2000e-004**	**0.1155**	**0.0305**	**4.8000e-004**	**0.0310**		**90.2597**	**90.2597**	**2.4100e-003**	**2.4300e-003**	**91.0451**

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	32.8241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**32.9950**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0343	0.0216	0.2818	8.7000e-004	0.1150	5.2000e-004	0.1155	0.0305	4.8000e-004	0.0310		90.2597	90.2597	2.4100e-003	2.4300e-003	91.0451
Total	**0.0343**	**0.0216**	**0.2818**	**8.7000e-004**	**0.1150**	**5.2000e-004**	**0.1155**	**0.0305**	**4.8000e-004**	**0.0310**		**90.2597**	**90.2597**	**2.4100e-003**	**2.4300e-003**	**91.0451**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7927	0.8016	7.0008	0.0117	1.3644	9.1300e-003	1.3735	0.3634	8.5000e-003	0.3719		1,228.4724	1,228.4724	0.1038	0.0697	1,251.8422
Unmitigated	0.9736	1.1318	9.7042	0.0189	2.2480	0.0140	2.2619	0.5988	0.0130	0.6117		1,982.0919	1,982.0919	0.1345	0.0978	2,014.6122

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	462.40	417.35	347.65	1,015,237	616,184
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	462.40	417.35	347.65	1,015,237	616,184

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.554285	0.058871	0.188253	0.120585	0.022598	0.005697	0.010798	0.007525	0.000977	0.000545	0.026246	0.000848	0.002771
Enclosed Parking with Elevator	0.554285	0.058871	0.188253	0.120585	0.022598	0.005697	0.010798	0.007525	0.000977	0.000545	0.026246	0.000848	0.002771

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Parking Lot	0.554285	0.058871	0.188253	0.120585	0.022598	0.005697	0.010798	0.007525	0.000977	0.000545	0.026246	0.000848	0.002771

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	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
NaturalGas Unmitigated	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1951.9	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0211**	**0.1799**	**0.0766**	**1.1500e-003**		**0.0145**	**0.0145**		**0.0145**	**0.0145**		**229.6351**	**229.6351**	**4.4000e-003**	**4.2100e-003**	**230.9997**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.9519	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0211**	**0.1799**	**0.0766**	**1.1500e-003**		**0.0145**	**0.0145**		**0.0145**	**0.0145**		**229.6351**	**229.6351**	**4.4000e-003**	**4.2100e-003**	**230.9997**

6.0 Area Detail

6.1 Mitigation Measures Area

1265 Montecito Residential Project AQ Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7411	0.2210	15.6070	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9798	0.0000	244.1218
Unmitigated	1.7411	0.2210	15.6070	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9798	0.0000	244.1218

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	0.0899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9466	0.1402	8.5966	0.0281		1.4024	1.4024		1.4024	1.4024	206.9912	0.0000	206.9912	0.9676	0.0000	231.1823
Landscaping	0.2108	0.0807	7.0104	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6366	12.6366	0.0121		12.9395
Total	**1.7411**	**0.2210**	**15.6070**	**0.0284**		**1.4413**	**1.4413**		**1.4413**	**1.4413**	**206.9912**	**12.6366**	**219.6278**	**0.9798**	**0.0000**	**244.1218**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9466	0.1402	8.5966	0.0281		1.4024	1.4024		1.4024	1.4024	206.9912	0.0000	206.9912	0.9676	0.0000	231.1823
Landscaping	0.2108	0.0807	7.0104	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6366	12.6366	0.0121		12.9395
Total	**1.7411**	**0.2210**	**15.6070**	**0.0284**		**1.4413**	**1.4413**		**1.4413**	**1.4413**	**206.9912**	**12.6366**	**219.6278**	**0.9798**	**0.0000**	**244.1218**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1265 Montecito Residential Project GHG Analysis

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	85.00	Dwelling Unit	1.04	22,775.00	243
Parking Lot	10.00	Space	0.00	4,617.00	0
Enclosed Parking with Elevator	34.00	Space	0.00	13,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
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 -

Land Use - Land Use - Based on project details, property size is 1.04 acres and the proposed building would occupy 22,775 square feet. Drive aisle would occupy 4,617 square feet.

Construction Phase -

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - Demolition - Demolition of existing building, provided by applicant

Architectural Coating -

Fleet Mix -

Woodstoves - Woodstoves - Proposed project would not include fireplaces according to applicant-provided construction information

Area Coating -

Mobile Land Use Mitigation -

Energy Mitigation - Energy Mitigation - Project site plans indicate photovoltaic panels will be installed on rooftop

Water Mitigation - In order to account for compliance with CALGreen, a 20 percent reduction in indoor water use and the use of water-efficient irrigation systems were included in the water consumption
calculations for new development

Grading -

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	12.75	0.00
tblFireplaces	NumberNoFireplace	3.40	0.00
tblFireplaces	NumberWood	14.45	0.00
tblLandUse	LandUseSquareFeet	85,000.00	22,775.00
tblLandUse	LandUseSquareFeet	4,000.00	4,617.00
tblLandUse	LotAcreage	2.24	1.04
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	0.31	0.00
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblTripsAndVMT	WorkerTripNumber	10.00	3.00

2.0 Emissions Summary

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0505	0.4179	0.4453	9.1000e-004	0.0431	0.0171	0.0602	0.0150	0.0162	0.0312	0.0000	78.6767	78.6767	0.0135	1.2900e-003	79.3976
2025	0.2875	0.9156	1.1706	2.3900e-003	0.0510	0.0333	0.0843	0.0137	0.0321	0.0458	0.0000	204.0739	204.0739	0.0269	3.5500e-003	205.8026
Maximum	**0.2875**	**0.9156**	**1.1706**	**2.3900e-003**	**0.0510**	**0.0333**	**0.0843**	**0.0150**	**0.0321**	**0.0458**	**0.0000**	**204.0739**	**204.0739**	**0.0269**	**3.5500e-003**	**205.8026**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.0505	0.4179	0.4453	9.1000e-004	0.0431	0.0171	0.0602	0.0150	0.0162	0.0312	0.0000	78.6766	78.6766	0.0135	1.2900e-003	79.3975
2025	0.2875	0.9156	1.1706	2.3900e-003	0.0510	0.0333	0.0843	0.0137	0.0321	0.0458	0.0000	204.0738	204.0738	0.0269	3.5500e-003	205.8025
Maximum	**0.2875**	**0.9156**	**1.1706**	**2.3900e-003**	**0.0510**	**0.0333**	**0.0843**	**0.0150**	**0.0321**	**0.0458**	**0.0000**	**204.0738**	**204.0738**	**0.0269**	**3.5500e-003**	**205.8025**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**10-1-2024**	**12-31-2024**	0.4677	0.4677
2	**1-1-2025**	**3-31-2025**	0.4040	0.4040
3	**4-1-2025**	**6-30-2025**	0.4067	0.4067
4	**7-1-2025**	**9-30-2025**	0.3926	0.3926
		Highest	0.4677	0.4677

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	0.1321	8.2500e-003	0.6906	2.3000e-004		0.0134	0.0134		0.0134	0.0134	1.3257	1.0317	2.3575	7.1800e-003	0.0000	2.5370
Energy	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	75.4211	75.4211	6.7800e-003	1.4300e-003	76.0168
Mobile	0.1475	0.1590	1.4112	2.9700e-003	0.3743	1.9800e-003	0.3763	0.1000	1.8500e-003	0.1019	0.0000	289.7687	289.7687	0.0176	0.0133	294.1723
Waste						0.0000	0.0000		0.0000	0.0000	7.9370	0.0000	7.9370	0.4691	0.0000	19.6635
Water						0.0000	0.0000		0.0000	0.0000	1.7570	3.9033	5.6602	0.1811	4.3400e-003	11.4801
Total	**0.2835**	**0.2000**	**2.1157**	**3.4100e-003**	**0.3743**	**0.0180**	**0.3923**	**0.1000**	**0.0179**	**0.1179**	**11.0197**	**370.1247**	**381.1444**	**0.6817**	**0.0191**	**403.8697**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1321	8.2500e-003	0.6906	2.3000e-004		0.0134	0.0134		0.0134	0.0134	1.3257	1.0317	2.3575	7.1800e-003	0.0000	2.5370
Energy	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	75.4211	75.4211	6.7800e-003	1.4300e-003	76.0168
Mobile	0.1192	0.1127	1.0048	1.8400e-003	0.2272	1.3000e-003	0.2285	0.0607	1.2100e-003	0.0619	0.0000	179.4993	179.4993	0.0131	9.4200e-003	182.6349
Waste						0.0000	0.0000		0.0000	0.0000	7.9370	0.0000	7.9370	0.4691	0.0000	19.6635
Water						0.0000	0.0000		0.0000	0.0000	1.4056	3.3487	4.7543	0.1449	3.4700e-003	9.4124
Total	**0.2551**	**0.1538**	**1.7093**	**2.2800e-003**	**0.2272**	**0.0174**	**0.2445**	**0.0607**	**0.0173**	**0.0780**	**10.6683**	**259.3008**	**269.9691**	**0.6411**	**0.0143**	**290.2647**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**9.99**	**23.13**	**19.21**	**33.14**	**39.31**	**3.77**	**37.67**	**39.30**	**3.58**	**33.88**	**3.19**	**29.94**	**29.17**	**5.96**	**24.91**	**28.13**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2024	10/28/2024	5	20	
2	Site Preparation	Site Preparation	10/29/2024	10/30/2024	5	2	
3	Grading	Grading	10/31/2024	11/5/2024	5	4	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4	Building Construction	Building Construction	11/6/2024	8/12/2025	5	200	
5	Paving	Paving	8/13/2025	8/26/2025	5	10	
6	Architectural Coating	Architectural Coating	8/27/2025	9/9/2025	5	10	

Acres of Grading (Site Preparation Phase): 1.88

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 46,119; Residential Outdoor: 15,373; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,093 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	8.00	187	0.41
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36

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Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	13.00	0.00	77.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	69.00	12.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.3700e-003	0.0000	8.3700e-003	1.2700e-003	0.0000	1.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.1389	0.1349	2.4000e-004		6.3100e-003	6.3100e-003		5.8900e-003	5.8900e-003	0.0000	21.0916	21.0916	5.3400e-003	0.0000	21.2250
Total	**0.0144**	**0.1389**	**0.1349**	**2.4000e-004**	**8.3700e-003**	**6.3100e-003**	**0.0147**	**1.2700e-003**	**5.8900e-003**	**7.1600e-003**	**0.0000**	**21.0916**	**21.0916**	**5.3400e-003**	**0.0000**	**21.2250**

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3.2 Demolition - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.2200e-003	1.2300e-003	2.0000e-005	6.5000e-004	4.0000e-005	6.9000e-004	1.8000e-004	4.0000e-005	2.2000e-004	0.0000	2.2619	2.2619	8.0000e-005	3.6000e-004	2.3706
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.0000e-004	2.6900e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0300e-003	2.7000e-004	0.0000	2.8000e-004	0.0000	0.7852	0.7852	2.0000e-005	2.0000e-005	0.7919
Total	**3.9000e-004**	**5.4200e-003**	**3.9200e-003**	**3.0000e-005**	**1.6800e-003**	**5.0000e-005**	**1.7200e-003**	**4.5000e-004**	**4.0000e-005**	**5.0000e-004**	**0.0000**	**3.0471**	**3.0471**	**1.0000e-004**	**3.8000e-004**	**3.1625**

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					8.3700e-003	0.0000	8.3700e-003	1.2700e-003	0.0000	1.2700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0144	0.1389	0.1349	2.4000e-004		6.3100e-003	6.3100e-003		5.8900e-003	5.8900e-003	0.0000	21.0915	21.0915	5.3400e-003	0.0000	21.2250
Total	**0.0144**	**0.1389**	**0.1349**	**2.4000e-004**	**8.3700e-003**	**6.3100e-003**	**0.0147**	**1.2700e-003**	**5.8900e-003**	**7.1600e-003**	**0.0000**	**21.0915**	**21.0915**	**5.3400e-003**	**0.0000**	**21.2250**

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3.2 Demolition - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.0000e-005	5.2200e-003	1.2300e-003	2.0000e-005	6.5000e-004	4.0000e-005	6.9000e-004	1.8000e-004	4.0000e-005	2.2000e-004	0.0000	2.2619	2.2619	8.0000e-005	3.6000e-004	2.3706
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.0000e-004	2.6900e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0300e-003	2.7000e-004	0.0000	2.8000e-004	0.0000	0.7852	0.7852	2.0000e-005	2.0000e-005	0.7919
Total	**3.9000e-004**	**5.4200e-003**	**3.9200e-003**	**3.0000e-005**	**1.6800e-003**	**5.0000e-005**	**1.7200e-003**	**4.5000e-004**	**4.0000e-005**	**5.0000e-004**	**0.0000**	**3.0471**	**3.0471**	**1.0000e-004**	**3.8000e-004**	**3.1625**

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					6.2700e-003	0.0000	6.2700e-003	3.0000e-003	0.0000	3.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1100e-003	0.0118	6.6300e-003	2.0000e-005		4.8000e-004	4.8000e-004		4.4000e-004	4.4000e-004	0.0000	1.5113	1.5113	4.9000e-004	0.0000	1.5235
Total	**1.1100e-003**	**0.0118**	**6.6300e-003**	**2.0000e-005**	**6.2700e-003**	**4.8000e-004**	**6.7500e-003**	**3.0000e-003**	**4.4000e-004**	**3.4400e-003**	**0.0000**	**1.5113**	**1.5113**	**4.9000e-004**	**0.0000**	**1.5235**

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3.3 Site Preparation - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0483	0.0483	0.0000	0.0000	0.0487
Total	**2.0000e-005**	**1.0000e-005**	**1.7000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0483**	**0.0483**	**0.0000**	**0.0000**	**0.0487**

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					6.2700e-003	0.0000	6.2700e-003	3.0000e-003	0.0000	3.0000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1100e-003	0.0118	6.6300e-003	2.0000e-005		4.8000e-004	4.8000e-004		4.4000e-004	4.4000e-004	0.0000	1.5113	1.5113	4.9000e-004	0.0000	1.5235
Total	**1.1100e-003**	**0.0118**	**6.6300e-003**	**2.0000e-005**	**6.2700e-003**	**4.8000e-004**	**6.7500e-003**	**3.0000e-003**	**4.4000e-004**	**3.4400e-003**	**0.0000**	**1.5113**	**1.5113**	**4.9000e-004**	**0.0000**	**1.5235**

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3.3 Site Preparation - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	1.7000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0483	0.0483	0.0000	0.0000	0.0487
Total	**2.0000e-005**	**1.0000e-005**	**1.7000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0483**	**0.0483**	**0.0000**	**0.0000**	**0.0487**

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0142	0.0000	0.0142	6.8500e-003	0.0000	6.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0276	0.0174	4.0000e-005		1.1400e-003	1.1400e-003		1.0500e-003	1.0500e-003	0.0000	3.6207	3.6207	1.1700e-003	0.0000	3.6500
Total	**2.6000e-003**	**0.0276**	**0.0174**	**4.0000e-005**	**0.0142**	**1.1400e-003**	**0.0153**	**6.8500e-003**	**1.0500e-003**	**7.9000e-003**	**0.0000**	**3.6207**	**3.6207**	**1.1700e-003**	**0.0000**	**3.6500**

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3.4 Grading - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.2000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0362	0.0362	0.0000	0.0000	0.0366
Total	**1.0000e-005**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0362**	**0.0362**	**0.0000**	**0.0000**	**0.0366**

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					0.0142	0.0000	0.0142	6.8500e-003	0.0000	6.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6000e-003	0.0276	0.0174	4.0000e-005		1.1400e-003	1.1400e-003		1.0500e-003	1.0500e-003	0.0000	3.6207	3.6207	1.1700e-003	0.0000	3.6500
Total	**2.6000e-003**	**0.0276**	**0.0174**	**4.0000e-005**	**0.0142**	**1.1400e-003**	**0.0153**	**6.8500e-003**	**1.0500e-003**	**7.9000e-003**	**0.0000**	**3.6207**	**3.6207**	**1.1700e-003**	**0.0000**	**3.6500**

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3.4 Grading - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	1.2000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0362	0.0362	0.0000	0.0000	0.0366
Total	**1.0000e-005**	**1.0000e-005**	**1.2000e-004**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0362**	**0.0362**	**0.0000**	**0.0000**	**0.0366**

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0284	0.2213	0.2503	4.4000e-004		9.0100e-003	9.0100e-003		8.7000e-003	8.7000e-003	0.0000	36.3223	36.3223	6.0500e-003	0.0000	36.4735
Total	**0.0284**	**0.2213**	**0.2503**	**4.4000e-004**		**9.0100e-003**	**9.0100e-003**		**8.7000e-003**	**8.7000e-003**	**0.0000**	**36.3223**	**36.3223**	**6.0500e-003**	**0.0000**	**36.4735**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5000e-004	0.0107	3.2700e-003	5.0000e-005	1.5700e-003	6.0000e-005	1.6400e-003	4.6000e-004	6.0000e-005	5.2000e-004	0.0000	4.6637	4.6637	1.0000e-004	6.9000e-004	4.8716
Worker	3.3100e-003	2.1600e-003	0.0286	9.0000e-005	0.0109	5.0000e-005	0.0110	2.9000e-003	5.0000e-005	2.9500e-003	0.0000	8.3355	8.3355	2.2000e-004	2.2000e-004	8.4062
Total	**3.5600e-003**	**0.0128**	**0.0319**	**1.4000e-004**	**0.0125**	**1.1000e-004**	**0.0126**	**3.3600e-003**	**1.1000e-004**	**3.4700e-003**	**0.0000**	**12.9992**	**12.9992**	**3.2000e-004**	**9.1000e-004**	**13.2779**

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	0.0284	0.2213	0.2503	4.4000e-004		9.0100e-003	9.0100e-003		8.7000e-003	8.7000e-003	0.0000	36.3222	36.3222	6.0500e-003	0.0000	36.4734
Total	**0.0284**	**0.2213**	**0.2503**	**4.4000e-004**		**9.0100e-003**	**9.0100e-003**		**8.7000e-003**	**8.7000e-003**	**0.0000**	**36.3222**	**36.3222**	**6.0500e-003**	**0.0000**	**36.4734**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.5000e-004	0.0107	3.2700e-003	5.0000e-005	1.5700e-003	6.0000e-005	1.6400e-003	4.6000e-004	6.0000e-005	5.2000e-004	0.0000	4.6637	4.6637	1.0000e-004	6.9000e-004	4.8716
Worker	3.3100e-003	2.1600e-003	0.0286	9.0000e-005	0.0109	5.0000e-005	0.0110	2.9000e-003	5.0000e-005	2.9500e-003	0.0000	8.3355	8.3355	2.2000e-004	2.2000e-004	8.4062
Total	**3.5600e-003**	**0.0128**	**0.0319**	**1.4000e-004**	**0.0125**	**1.1000e-004**	**0.0126**	**3.3600e-003**	**1.1000e-004**	**3.4700e-003**	**0.0000**	**12.9992**	**12.9992**	**3.2000e-004**	**9.1000e-004**	**13.2779**

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1060	0.8330	0.9952	1.7600e-003		0.0314	0.0314		0.0303	0.0303	0.0000	145.3058	145.3058	0.0237	0.0000	145.8989
Total	**0.1060**	**0.8330**	**0.9952**	**1.7600e-003**		**0.0314**	**0.0314**		**0.0303**	**0.0303**	**0.0000**	**145.3058**	**145.3058**	**0.0237**	**0.0000**	**145.8989**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7000e-004	0.0425	0.0128	1.9000e-004	6.3000e-003	2.5000e-004	6.5500e-003	1.8200e-003	2.4000e-004	2.0600e-003	0.0000	18.3229	18.3229	3.8000e-004	2.7100e-003	19.1397
Worker	0.0124	7.7800e-003	0.1074	3.4000e-004	0.0436	2.0000e-004	0.0438	0.0116	1.9000e-004	0.0118	0.0000	32.5455	32.5455	8.1000e-004	8.2000e-004	32.8099
Total	**0.0134**	**0.0503**	**0.1202**	**5.3000e-004**	**0.0499**	**4.5000e-004**	**0.0504**	**0.0134**	**4.3000e-004**	**0.0139**	**0.0000**	**50.8684**	**50.8684**	**1.1900e-003**	**3.5300e-003**	**51.9496**

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	0.1060	0.8330	0.9952	1.7600e-003		0.0314	0.0314		0.0303	0.0303	0.0000	145.3056	145.3056	0.0237	0.0000	145.8987
Total	**0.1060**	**0.8330**	**0.9952**	**1.7600e-003**		**0.0314**	**0.0314**		**0.0303**	**0.0303**	**0.0000**	**145.3056**	**145.3056**	**0.0237**	**0.0000**	**145.8987**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.7000e-004	0.0425	0.0128	1.9000e-004	6.3000e-003	2.5000e-004	6.5500e-003	1.8200e-003	2.4000e-004	2.0600e-003	0.0000	18.3229	18.3229	3.8000e-004	2.7100e-003	19.1397
Worker	0.0124	7.7800e-003	0.1074	3.4000e-004	0.0436	2.0000e-004	0.0438	0.0116	1.9000e-004	0.0118	0.0000	32.5455	32.5455	8.1000e-004	8.2000e-004	32.8099
Total	**0.0134**	**0.0503**	**0.1202**	**5.3000e-004**	**0.0499**	**4.5000e-004**	**0.0504**	**0.0134**	**4.3000e-004**	**0.0139**	**0.0000**	**50.8684**	**50.8684**	**1.1900e-003**	**3.5300e-003**	**51.9496**

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8400e-003	0.0264	0.0435	7.0000e-005		1.2200e-003	1.2200e-003		1.1300e-003	1.1300e-003	0.0000	5.8272	5.8272	1.8500e-003	0.0000	5.8734
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8400e-003**	**0.0264**	**0.0435**	**7.0000e-005**		**1.2200e-003**	**1.2200e-003**		**1.1300e-003**	**1.1300e-003**	**0.0000**	**5.8272**	**5.8272**	**1.8500e-003**	**0.0000**	**5.8734**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	9.0000e-005	1.2600e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3832	0.3832	1.0000e-005	1.0000e-005	0.3864
Total	**1.5000e-004**	**9.0000e-005**	**1.2600e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.2000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.3832**	**0.3832**	**1.0000e-005**	**1.0000e-005**	**0.3864**

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	2.8400e-003	0.0264	0.0435	7.0000e-005		1.2200e-003	1.2200e-003		1.1300e-003	1.1300e-003	0.0000	5.8272	5.8272	1.8500e-003	0.0000	5.8733
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.8400e-003**	**0.0264**	**0.0435**	**7.0000e-005**		**1.2200e-003**	**1.2200e-003**		**1.1300e-003**	**1.1300e-003**	**0.0000**	**5.8272**	**5.8272**	**1.8500e-003**	**0.0000**	**5.8733**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	9.0000e-005	1.2600e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.3832	0.3832	1.0000e-005	1.0000e-005	0.3864
Total	**1.5000e-004**	**9.0000e-005**	**1.2600e-003**	**0.0000**	**5.1000e-004**	**0.0000**	**5.2000e-004**	**1.4000e-004**	**0.0000**	**1.4000e-004**	**0.0000**	**0.3832**	**0.3832**	**1.0000e-005**	**1.0000e-005**	**0.3864**

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1641					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.7300e-003	9.0500e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**0.1650**	**5.7300e-003**	**9.0500e-003**	**1.0000e-005**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.3600e-003	0.0000	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4127	0.4127	1.0000e-005	1.0000e-005	0.4161
Total	**1.6000e-004**	**1.0000e-004**	**1.3600e-003**	**0.0000**	**5.5000e-004**	**0.0000**	**5.6000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4127**	**0.4127**	**1.0000e-005**	**1.0000e-005**	**0.4161**

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	0.1641					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.5000e-004	5.7300e-003	9.0500e-003	1.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	1.2766	1.2766	7.0000e-005	0.0000	1.2784
Total	**0.1650**	**5.7300e-003**	**9.0500e-003**	**1.0000e-005**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**1.2766**	**1.2766**	**7.0000e-005**	**0.0000**	**1.2784**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.0000e-004	1.3600e-003	0.0000	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4127	0.4127	1.0000e-005	1.0000e-005	0.4161
Total	**1.6000e-004**	**1.0000e-004**	**1.3600e-003**	**0.0000**	**5.5000e-004**	**0.0000**	**5.6000e-004**	**1.5000e-004**	**0.0000**	**1.5000e-004**	**0.0000**	**0.4127**	**0.4127**	**1.0000e-005**	**1.0000e-005**	**0.4161**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1192	0.1127	1.0048	1.8400e-003	0.2272	1.3000e-003	0.2285	0.0607	1.2100e-003	0.0619	0.0000	179.4993	179.4993	0.0131	9.4200e-003	182.6349
Unmitigated	0.1475	0.1590	1.4112	2.9700e-003	0.3743	1.9800e-003	0.3763	0.1000	1.8500e-003	0.1019	0.0000	289.7687	289.7687	0.0176	0.0133	294.1723

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	462.40	417.35	347.65	1,015,237	616,184
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	462.40	417.35	347.65	1,015,237	616,184

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638
Enclosed Parking with Elevator	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Parking Lot	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638

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	37.4024	37.4024	6.0500e-003	7.3000e-004	37.7723
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	37.4024	37.4024	6.0500e-003	7.3000e-004	37.7723
NaturalGas Mitigated	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	38.0187	38.0187	7.3000e-004	7.0000e-004	38.2446
NaturalGas Unmitigated	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	38.0187	38.0187	7.3000e-004	7.0000e-004	38.2446

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	712443	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	38.0187	38.0187	7.3000e-004	7.0000e-004	38.2446
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.8400e-003**	**0.0328**	**0.0140**	**2.1000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**38.0187**	**38.0187**	**7.3000e-004**	**7.0000e-004**	**38.2446**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	712443	3.8400e-003	0.0328	0.0140	2.1000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	38.0187	38.0187	7.3000e-004	7.0000e-004	38.2446
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**3.8400e-003**	**0.0328**	**0.0140**	**2.1000e-004**		**2.6500e-003**	**2.6500e-003**		**2.6500e-003**	**2.6500e-003**	**0.0000**	**38.0187**	**38.0187**	**7.3000e-004**	**7.0000e-004**	**38.2446**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	328647	30.4076	4.9200e-003	6.0000e-004	30.7083
Enclosed Parking with Elevator	73984	6.8453	1.1100e-003	1.3000e-004	6.9130
Parking Lot	1615.95	0.1495	2.0000e-005	0.0000	0.1510
Total		**37.4024**	**6.0500e-003**	**7.3000e-004**	**37.7723**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	328647	30.4076	4.9200e-003	6.0000e-004	30.7083
Enclosed Parking with Elevator	73984	6.8453	1.1100e-003	1.3000e-004	6.9130
Parking Lot	1615.95	0.1495	2.0000e-005	0.0000	0.1510
Total		**37.4024**	**6.0500e-003**	**7.3000e-004**	**37.7723**

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.1321	8.2500e-003	0.6906	2.3000e-004		0.0134	0.0134		0.0134	0.0134	1.3257	1.0317	2.3575	7.1800e-003	0.0000	2.5370
Unmitigated	0.1321	8.2500e-003	0.6906	2.3000e-004		0.0134	0.0134		0.0134	0.0134	1.3257	1.0317	2.3575	7.1800e-003	0.0000	2.5370

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	0.0164					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.6800e-003	9.9000e-004	0.0607	2.0000e-004		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	1.3257	0.0000	1.3257	6.2000e-003	0.0000	1.4807
Landscaping	0.0189	7.2600e-003	0.6299	3.0000e-005		3.5000e-003	3.5000e-003		3.5000e-003	3.5000e-003	0.0000	1.0317	1.0317	9.8000e-004	0.0000	1.0563
Total	**0.1321**	**8.2500e-003**	**0.6906**	**2.3000e-004**		**0.0134**	**0.0134**		**0.0134**	**0.0134**	**1.3257**	**1.0317**	**2.3575**	**7.1800e-003**	**0.0000**	**2.5370**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0164					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0901					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.6800e-003	9.9000e-004	0.0607	2.0000e-004		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	1.3257	0.0000	1.3257	6.2000e-003	0.0000	1.4807
Landscaping	0.0189	7.2600e-003	0.6299	3.0000e-005		3.5000e-003	3.5000e-003		3.5000e-003	3.5000e-003	0.0000	1.0317	1.0317	9.8000e-004	0.0000	1.0563
Total	**0.1321**	**8.2500e-003**	**0.6906**	**2.3000e-004**		**0.0134**	**0.0134**		**0.0134**	**0.0134**	**1.3257**	**1.0317**	**2.3575**	**7.1800e-003**	**0.0000**	**2.5370**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.7543	0.1449	3.4700e-003	9.4124
Unmitigated	5.6602	0.1811	4.3400e-003	11.4801

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.53809 / 3.49141	5.6602	0.1811	4.3400e-003	11.4801
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**5.6602**	**0.1811**	**4.3400e-003**	**11.4801**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	4.43047 / 3.49141	4.7543	0.1449	3.4700e-003	9.4124
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**4.7543**	**0.1449**	**3.4700e-003**	**9.4124**

8.0 Waste Detail

8.1 Mitigation Measures Waste

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	7.9370	0.4691	0.0000	19.6635
Unmitigated	7.9370	0.4691	0.0000	19.6635

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	39.1	7.9370	0.4691	0.0000	19.6635
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**7.9370**	**0.4691**	**0.0000**	**19.6635**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	39.1	7.9370	0.4691	0.0000	19.6635
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**7.9370**	**0.4691**	**0.0000**	**19.6635**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1265 Montecito Residential Project GHG Analysis

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	85.00	Dwelling Unit	1.04	22,775.00	243
Parking Lot	10.00	Space	0.00	4,617.00	0
Enclosed Parking with Elevator	34.00	Space	0.00	13,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
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 -

Land Use - Land Use - Based on project details, property size is 1.04 acres and the proposed building would occupy 22,775 square feet. Drive aisle would occupy 4,617 square feet.

Construction Phase -

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - Demolition - Demolition of existing building, provided by applicant

Architectural Coating -

Fleet Mix -

Woodstoves - Woodstoves - Proposed project would not include fireplaces according to applicant-provided construction information

Area Coating -

Mobile Land Use Mitigation -

Energy Mitigation - Energy Mitigation - Project site plans indicate photovoltaic panels will be installed on rooftop

Water Mitigation - In order to account for compliance with CALGreen, a 20 percent reduction in indoor water use and the use of water-efficient irrigation systems were included in the water consumption
calculations for new development

Grading -

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	12.75	0.00
tblFireplaces	NumberNoFireplace	3.40	0.00
tblFireplaces	NumberWood	14.45	0.00
tblLandUse	LandUseSquareFeet	85,000.00	22,775.00
tblLandUse	LandUseSquareFeet	4,000.00	4,617.00
tblLandUse	LotAcreage	2.24	1.04
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	0.31	0.00
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblTripsAndVMT	WorkerTripNumber	10.00	3.00

2.0 Emissions Summary

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.6070	14.4081	14.2154	0.0292	7.1072	0.6359	7.6796	3.4313	0.5940	3.9578	0.0000	2,749.2299	2,749.2299	0.6459	0.0491	2,772.6138
2025	33.0282	11.0120	14.0381	0.0290	0.6481	0.3982	1.0463	0.1738	0.3839	0.5576	0.0000	2,733.1090	2,733.1090	0.4091	0.0477	2,755.8901
Maximum	**33.0282**	**14.4081**	**14.2154**	**0.0292**	**7.1072**	**0.6359**	**7.6796**	**3.4313**	**0.5940**	**3.9578**	**0.0000**	**2,749.2299**	**2,749.2299**	**0.6459**	**0.0491**	**2,772.6138**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.6070	14.4081	14.2154	0.0292	7.1072	0.6359	7.6796	3.4313	0.5940	3.9578	0.0000	2,749.2299	2,749.2299	0.6459	0.0491	2,772.6138
2025	33.0282	11.0120	14.0381	0.0290	0.6481	0.3982	1.0463	0.1738	0.3839	0.5576	0.0000	2,733.1090	2,733.1090	0.4091	0.0477	2,755.8901
Maximum	**33.0282**	**14.4081**	**14.2154**	**0.0292**	**7.1072**	**0.6359**	**7.6796**	**3.4313**	**0.5940**	**3.9578**	**0.0000**	**2,749.2299**	**2,749.2299**	**0.6459**	**0.0491**	**2,772.6138**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1.7400	0.2209	15.5951	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9797	0.0000	244.1202
Energy	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Mobile	0.9557	0.8472	8.0732	0.0181	2.2483	0.0115	2.2597	0.5989	0.0107	0.6096		1,945.0044	1,945.0044	0.1054	0.0806	1,971.6697
Total	**2.7167**	**1.2479**	**23.7449**	**0.0477**	**2.2483**	**1.4673**	**3.7155**	**0.5989**	**1.4665**	**2.0654**	**206.9912**	**2,187.2760**	**2,394.2673**	**1.0895**	**0.0849**	**2,446.7896**

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	1.7400	0.2209	15.5951	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9797	0.0000	244.1202
Energy	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Mobile	0.7956	0.6004	5.5817	0.0112	1.3646	7.5000e-003	1.3721	0.3635	6.9900e-003	0.3705		1,203.2646	1,203.2646	0.0772	0.0569	1,222.1356
Total	**2.5566**	**1.0012**	**21.2534**	**0.0408**	**1.3646**	**1.4633**	**2.8279**	**0.3635**	**1.4628**	**1.8263**	**206.9912**	**1,445.5363**	**1,652.5275**	**1.0613**	**0.0611**	**1,697.2555**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**5.89**	**19.77**	**10.49**	**14.48**	**39.31**	**0.27**	**23.89**	**39.31**	**0.25**	**11.58**	**0.00**	**33.91**	**30.98**	**2.59**	**28.04**	**30.63**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2024	10/28/2024	5	20	
2	Site Preparation	Site Preparation	10/29/2024	10/30/2024	5	2	
3	Grading	Grading	10/31/2024	11/5/2024	5	4	
4	Building Construction	Building Construction	11/6/2024	8/12/2025	5	200	
5	Paving	Paving	8/13/2025	8/26/2025	5	10	
6	Architectural Coating	Architectural Coating	8/27/2025	9/9/2025	5	10	

Acres of Grading (Site Preparation Phase): 1.88

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 46,119; Residential Outdoor: 15,373; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,093 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	8.00	187	0.41
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Graders	1	8.00	187	0.41

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	13.00	0.00	77.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	69.00	12.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8367	0.0000	0.8367	0.1267	0.0000	0.1267			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	**1.4397**	**13.8867**	**13.4879**	**0.0241**	**0.8367**	**0.6311**	**1.4678**	**0.1267**	**0.5895**	**0.7161**		**2,324.9459**	**2,324.9459**	**0.5884**		**2,339.6562**

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	8.2100e-003	0.5034	0.1229	2.2800e-003	0.0673	4.2600e-003	0.0716	0.0185	4.0700e-003	0.0225		249.2324	249.2324	8.3500e-003	0.0395	261.2118
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	0.0329	0.0180	0.2896	9.0000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		92.3990	92.3990	2.1600e-003	2.1000e-003	93.0774
Total	**0.0411**	**0.5215**	**0.4125**	**3.1800e-003**	**0.1741**	**4.7600e-003**	**0.1789**	**0.0468**	**4.5300e-003**	**0.0513**		**341.6313**	**341.6313**	**0.0105**	**0.0416**	**354.2892**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8367	0.0000	0.8367	0.1267	0.0000	0.1267			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	**1.4397**	**13.8867**	**13.4879**	**0.0241**	**0.8367**	**0.6311**	**1.4678**	**0.1267**	**0.5895**	**0.7161**	**0.0000**	**2,324.9459**	**2,324.9459**	**0.5884**		**2,339.6562**

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	8.2100e-003	0.5034	0.1229	2.2800e-003	0.0673	4.2600e-003	0.0716	0.0185	4.0700e-003	0.0225		249.2324	249.2324	8.3500e-003	0.0395	261.2118
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	0.0329	0.0180	0.2896	9.0000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		92.3990	92.3990	2.1600e-003	2.1000e-003	93.0774
Total	**0.0411**	**0.5215**	**0.4125**	**3.1800e-003**	**0.1741**	**4.7600e-003**	**0.1789**	**0.0468**	**4.5300e-003**	**0.0513**		**341.6313**	**341.6313**	**0.0105**	**0.0416**	**354.2892**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2662	0.0000	6.2662	3.0041	0.0000	3.0041			0.0000			0.0000
Off-Road	1.1067	11.8407	6.6317	0.0172		0.4823	0.4823		0.4437	0.4437		1,665.8826	1,665.8826	0.5388		1,679.3521
Total	**1.1067**	**11.8407**	**6.6317**	**0.0172**	**6.2662**	**0.4823**	**6.7485**	**3.0041**	**0.4437**	**3.4478**		**1,665.8826**	**1,665.8826**	**0.5388**		**1,679.3521**

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	0.0202	0.0111	0.1782	5.5000e-004	0.0657	3.1000e-004	0.0660	0.0174	2.9000e-004	0.0177		56.8609	56.8609	1.3300e-003	1.2900e-003	57.2784
Total	**0.0202**	**0.0111**	**0.1782**	**5.5000e-004**	**0.0657**	**3.1000e-004**	**0.0660**	**0.0174**	**2.9000e-004**	**0.0177**		**56.8609**	**56.8609**	**1.3300e-003**	**1.2900e-003**	**57.2784**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2662	0.0000	6.2662	3.0041	0.0000	3.0041			0.0000			0.0000
Off-Road	1.1067	11.8407	6.6317	0.0172		0.4823	0.4823		0.4437	0.4437	0.0000	1,665.8826	1,665.8826	0.5388		1,679.3521
Total	**1.1067**	**11.8407**	**6.6317**	**0.0172**	**6.2662**	**0.4823**	**6.7485**	**3.0041**	**0.4437**	**3.4478**	**0.0000**	**1,665.8826**	**1,665.8826**	**0.5388**		**1,679.3521**

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	0.0202	0.0111	0.1782	5.5000e-004	0.0657	3.1000e-004	0.0660	0.0174	2.9000e-004	0.0177		56.8609	56.8609	1.3300e-003	1.2900e-003	57.2784
Total	**0.0202**	**0.0111**	**0.1782**	**5.5000e-004**	**0.0657**	**3.1000e-004**	**0.0660**	**0.0174**	**2.9000e-004**	**0.0177**		**56.8609**	**56.8609**	**1.3300e-003**	**1.2900e-003**	**57.2784**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	**1.3015**	**13.8178**	**8.6998**	**0.0206**	**7.0826**	**0.5722**	**7.6548**	**3.4247**	**0.5265**	**3.9512**		**1,995.5803**	**1,995.5803**	**0.6454**		**2,011.7155**

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	7.5800e-003	4.1600e-003	0.0668	2.1000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6400e-003		21.3228	21.3228	5.0000e-004	4.8000e-004	21.4794
Total	**7.5800e-003**	**4.1600e-003**	**0.0668**	**2.1000e-004**	**0.0246**	**1.2000e-004**	**0.0248**	**6.5400e-003**	**1.1000e-004**	**6.6400e-003**		**21.3228**	**21.3228**	**5.0000e-004**	**4.8000e-004**	**21.4794**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	**1.3015**	**13.8178**	**8.6998**	**0.0206**	**7.0826**	**0.5722**	**7.6548**	**3.4247**	**0.5265**	**3.9512**	**0.0000**	**1,995.5803**	**1,995.5803**	**0.6454**		**2,011.7155**

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	7.5800e-003	4.1600e-003	0.0668	2.1000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6400e-003		21.3228	21.3228	5.0000e-004	4.8000e-004	21.4794
Total	**7.5800e-003**	**4.1600e-003**	**0.0668**	**2.1000e-004**	**0.0246**	**1.2000e-004**	**0.0248**	**6.5400e-003**	**1.1000e-004**	**6.6400e-003**		**21.3228**	**21.3228**	**5.0000e-004**	**4.8000e-004**	**21.4794**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**		**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

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	0.0127	0.5149	0.1609	2.3900e-003	0.0813	3.1400e-003	0.0844	0.0234	3.0100e-003	0.0264		256.8833	256.8833	5.3100e-003	0.0380	268.3314
Worker	0.1743	0.0957	1.5373	4.7500e-003	0.5668	2.6800e-003	0.5695	0.1504	2.4600e-003	0.1528		490.4252	490.4252	0.0115	0.0111	494.0262
Total	**0.1870**	**0.6107**	**1.6982**	**7.1400e-003**	**0.6481**	**5.8200e-003**	**0.6539**	**0.1738**	**5.4700e-003**	**0.1792**		**747.3085**	**747.3085**	**0.0168**	**0.0491**	**762.3575**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**	**0.0000**	**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

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	0.0127	0.5149	0.1609	2.3900e-003	0.0813	3.1400e-003	0.0844	0.0234	3.0100e-003	0.0264		256.8833	256.8833	5.3100e-003	0.0380	268.3314
Worker	0.1743	0.0957	1.5373	4.7500e-003	0.5668	2.6800e-003	0.5695	0.1504	2.4600e-003	0.1528		490.4252	490.4252	0.0115	0.0111	494.0262
Total	**0.1870**	**0.6107**	**1.6982**	**7.1400e-003**	**0.6481**	**5.8200e-003**	**0.6539**	**0.1738**	**5.4700e-003**	**0.1792**		**747.3085**	**747.3085**	**0.0168**	**0.0491**	**762.3575**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**		**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

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	0.0124	0.5130	0.1580	2.3500e-003	0.0813	3.1400e-003	0.0844	0.0234	3.0000e-003	0.0264		252.3116	252.3116	5.2800e-003	0.0373	263.5530
Worker	0.1638	0.0863	1.4408	4.5900e-003	0.5668	2.5600e-003	0.5694	0.1504	2.3600e-003	0.1527		478.6450	478.6450	0.0104	0.0104	482.0123
Total	**0.1762**	**0.5993**	**1.5988**	**6.9400e-003**	**0.6481**	**5.7000e-003**	**0.6538**	**0.1738**	**5.3600e-003**	**0.1791**		**730.9566**	**730.9566**	**0.0157**	**0.0477**	**745.5653**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**	**0.0000**	**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

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	0.0124	0.5130	0.1580	2.3500e-003	0.0813	3.1400e-003	0.0844	0.0234	3.0000e-003	0.0264		252.3116	252.3116	5.2800e-003	0.0373	263.5530
Worker	0.1638	0.0863	1.4408	4.5900e-003	0.5668	2.5600e-003	0.5694	0.1504	2.3600e-003	0.1527		478.6450	478.6450	0.0104	0.0104	482.0123
Total	**0.1762**	**0.5993**	**1.5988**	**6.9400e-003**	**0.6481**	**5.7000e-003**	**0.6538**	**0.1738**	**5.3600e-003**	**0.1791**		**730.9566**	**730.9566**	**0.0157**	**0.0477**	**745.5653**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5677	5.2743	8.7072	0.0134		0.2440	0.2440		0.2253	0.2253		1,284.6725	1,284.6725	0.4072		1,294.8517
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5677**	**5.2743**	**8.7072**	**0.0134**		**0.2440**	**0.2440**		**0.2253**	**0.2253**		**1,284.6725**	**1,284.6725**	**0.4072**		**1,294.8517**

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	0.0309	0.0163	0.2715	8.7000e-004	0.1068	4.8000e-004	0.1073	0.0283	4.4000e-004	0.0288		90.1795	90.1795	1.9600e-003	1.9600e-003	90.8139
Total	**0.0309**	**0.0163**	**0.2715**	**8.7000e-004**	**0.1068**	**4.8000e-004**	**0.1073**	**0.0283**	**4.4000e-004**	**0.0288**		**90.1795**	**90.1795**	**1.9600e-003**	**1.9600e-003**	**90.8139**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5677	5.2743	8.7072	0.0134		0.2440	0.2440		0.2253	0.2253	0.0000	1,284.6725	1,284.6725	0.4072		1,294.8517
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5677**	**5.2743**	**8.7072**	**0.0134**		**0.2440**	**0.2440**		**0.2253**	**0.2253**	**0.0000**	**1,284.6725**	**1,284.6725**	**0.4072**		**1,294.8517**

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	0.0309	0.0163	0.2715	8.7000e-004	0.1068	4.8000e-004	0.1073	0.0283	4.4000e-004	0.0288		90.1795	90.1795	1.9600e-003	1.9600e-003	90.8139
Total	**0.0309**	**0.0163**	**0.2715**	**8.7000e-004**	**0.1068**	**4.8000e-004**	**0.1073**	**0.0283**	**4.4000e-004**	**0.0288**		**90.1795**	**90.1795**	**1.9600e-003**	**1.9600e-003**	**90.8139**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**32.9950**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0332	0.0175	0.2923	9.3000e-004	0.1150	5.2000e-004	0.1155	0.0305	4.8000e-004	0.0310		97.1164	97.1164	2.1100e-003	2.1200e-003	97.7996
Total	**0.0332**	**0.0175**	**0.2923**	**9.3000e-004**	**0.1150**	**5.2000e-004**	**0.1155**	**0.0305**	**4.8000e-004**	**0.0310**		**97.1164**	**97.1164**	**2.1100e-003**	**2.1200e-003**	**97.7996**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**32.9950**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0332	0.0175	0.2923	9.3000e-004	0.1150	5.2000e-004	0.1155	0.0305	4.8000e-004	0.0310		97.1164	97.1164	2.1100e-003	2.1200e-003	97.7996
Total	**0.0332**	**0.0175**	**0.2923**	**9.3000e-004**	**0.1150**	**5.2000e-004**	**0.1155**	**0.0305**	**4.8000e-004**	**0.0310**		**97.1164**	**97.1164**	**2.1100e-003**	**2.1200e-003**	**97.7996**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.7956	0.6004	5.5817	0.0112	1.3646	7.5000e-003	1.3721	0.3635	6.9900e-003	0.3705		1,203.2646	1,203.2646	0.0772	0.0569	1,222.1356
Unmitigated	0.9557	0.8472	8.0732	0.0181	2.2483	0.0115	2.2597	0.5989	0.0107	0.6096		1,945.0044	1,945.0044	0.1054	0.0806	1,971.6697

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	462.40	417.35	347.65	1,015,237	616,184
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	462.40	417.35	347.65	1,015,237	616,184

4.3 Trip Type Information

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638
Enclosed Parking with Elevator	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638
Parking Lot	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638

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	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
NaturalGas Unmitigated	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1951.9	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0211**	**0.1799**	**0.0766**	**1.1500e-003**		**0.0145**	**0.0145**		**0.0145**	**0.0145**		**229.6351**	**229.6351**	**4.4000e-003**	**4.2100e-003**	**230.9997**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.9519	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0211**	**0.1799**	**0.0766**	**1.1500e-003**		**0.0145**	**0.0145**		**0.0145**	**0.0145**		**229.6351**	**229.6351**	**4.4000e-003**	**4.2100e-003**	**230.9997**

6.0 Area Detail

6.1 Mitigation Measures Area

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7400	0.2209	15.5951	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9797	0.0000	244.1202
Unmitigated	1.7400	0.2209	15.5951	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9797	0.0000	244.1202

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	0.0899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9466	0.1402	8.5966	0.0281		1.4024	1.4024		1.4024	1.4024	206.9912	0.0000	206.9912	0.9676	0.0000	231.1823
Landscaping	0.2096	0.0807	6.9986	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6366	12.6366	0.0121		12.9380
Total	**1.7400**	**0.2209**	**15.5951**	**0.0284**		**1.4413**	**1.4413**		**1.4413**	**1.4413**	**206.9912**	**12.6366**	**219.6278**	**0.9797**	**0.0000**	**244.1202**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9466	0.1402	8.5966	0.0281		1.4024	1.4024		1.4024	1.4024	206.9912	0.0000	206.9912	0.9676	0.0000	231.1823
Landscaping	0.2096	0.0807	6.9986	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6366	12.6366	0.0121		12.9380
Total	**1.7400**	**0.2209**	**15.5951**	**0.0284**		**1.4413**	**1.4413**		**1.4413**	**1.4413**	**206.9912**	**12.6366**	**219.6278**	**0.9797**	**0.0000**	**244.1202**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

1265 Montecito Residential Project GHG Analysis

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	85.00	Dwelling Unit	1.04	22,775.00	243
Parking Lot	10.00	Space	0.00	4,617.00	0
Enclosed Parking with Elevator	34.00	Space	0.00	13,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	64
Climate Zone	4			**Operational Year**	2030
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 -

Land Use - Land Use - Based on project details, property size is 1.04 acres and the proposed building would occupy 22,775 square feet. Drive aisle would occupy 4,617 square feet.

Construction Phase -

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

Off-road Equipment - Applicant-provided construction notes

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Demolition - Demolition - Demolition of existing building, provided by applicant

Architectural Coating -

Fleet Mix -

Woodstoves - Woodstoves - Proposed project would not include fireplaces according to applicant-provided construction information

Area Coating -

Mobile Land Use Mitigation -

Energy Mitigation - Energy Mitigation - Project site plans indicate photovoltaic panels will be installed on rooftop

Water Mitigation - In order to account for compliance with CALGreen, a 20 percent reduction in indoor water use and the use of water-efficient irrigation systems were included in the water consumption
calculations for new development

Grading -

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceDayYear	11.14	0.00
tblFireplaces	FireplaceHourDay	3.50	0.00
tblFireplaces	FireplaceWoodMass	228.80	0.00
tblFireplaces	NumberGas	12.75	0.00
tblFireplaces	NumberNoFireplace	3.40	0.00
tblFireplaces	NumberWood	14.45	0.00
tblLandUse	LandUseSquareFeet	85,000.00	22,775.00
tblLandUse	LandUseSquareFeet	4,000.00	4,617.00
tblLandUse	LotAcreage	2.24	1.04
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	0.31	0.00
tblOffRoadEquipment	LoadFactor	0.42	0.42
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Welders
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Pavers
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblTripsAndVMT	WorkerTripNumber	10.00	3.00

2.0 Emissions Summary

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.6117	14.4414	14.1612	0.0289	7.1072	0.6359	7.6796	3.4313	0.5940	3.9578	0.0000	2,714.9170	2,714.9170	0.6460	0.0509	2,738.8675
2025	33.0293	11.0620	13.9915	0.0287	0.6481	0.3982	1.0463	0.1738	0.3839	0.5577	0.0000	2,699.6921	2,699.6921	0.4094	0.0494	2,723.0034
Maximum	**33.0293**	**14.4414**	**14.1612**	**0.0289**	**7.1072**	**0.6359**	**7.6796**	**3.4313**	**0.5940**	**3.9578**	**0.0000**	**2,714.9170**	**2,714.9170**	**0.6460**	**0.0509**	**2,738.8675**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	1.6117	14.4414	14.1612	0.0289	7.1072	0.6359	7.6796	3.4313	0.5940	3.9578	0.0000	2,714.9170	2,714.9170	0.6460	0.0509	2,738.8675
2025	33.0293	11.0620	13.9915	0.0287	0.6481	0.3982	1.0463	0.1738	0.3839	0.5577	0.0000	2,699.6921	2,699.6921	0.4094	0.0494	2,723.0034
Maximum	**33.0293**	**14.4414**	**14.1612**	**0.0289**	**7.1072**	**0.6359**	**7.6796**	**3.4313**	**0.5940**	**3.9578**	**0.0000**	**2,714.9170**	**2,714.9170**	**0.6460**	**0.0509**	**2,738.8675**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	1.7400	0.2209	15.5951	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9797	0.0000	244.1202
Energy	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Mobile	0.8493	0.9694	8.7153	0.0171	2.2483	0.0115	2.2597	0.5989	0.0107	0.6096		1,837.5748	1,837.5748	0.1180	0.0880	1,866.7364
Total	**2.6103**	**1.3702**	**24.3869**	**0.0467**	**2.2483**	**1.4673**	**3.7155**	**0.5989**	**1.4665**	**2.0654**	**206.9912**	**2,079.8465**	**2,286.8377**	**1.1021**	**0.0922**	**2,341.8563**

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	1.7400	0.2209	15.5951	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9797	0.0000	244.1202
Energy	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Mobile	0.6808	0.6884	6.2864	0.0106	1.3646	7.5100e-003	1.3721	0.3635	6.9900e-003	0.3705		1,138.7474	1,138.7474	0.0892	0.0625	1,159.5863
Total	**2.4418**	**1.0892**	**21.9581**	**0.0402**	**1.3646**	**1.4633**	**2.8279**	**0.3635**	**1.4628**	**1.8263**	**206.9912**	**1,381.0190**	**1,588.0102**	**1.0733**	**0.0667**	**1,634.7062**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**6.46**	**20.51**	**9.96**	**13.93**	**39.31**	**0.27**	**23.89**	**39.31**	**0.25**	**11.58**	**0.00**	**33.60**	**30.56**	**2.62**	**27.68**	**30.20**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	10/1/2024	10/28/2024	5	20	
2	Site Preparation	Site Preparation	10/29/2024	10/30/2024	5	2	
3	Grading	Grading	10/31/2024	11/5/2024	5	4	
4	Building Construction	Building Construction	11/6/2024	8/12/2025	5	200	
5	Paving	Paving	8/13/2025	8/26/2025	5	10	
6	Architectural Coating	Architectural Coating	8/27/2025	9/9/2025	5	10	

Acres of Grading (Site Preparation Phase): 1.88

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 46,119; Residential Outdoor: 15,373; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,093 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	8.00	187	0.41
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Graders	1	8.00	187	0.41

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	4	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	13.00	0.00	77.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	69.00	12.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8367	0.0000	0.8367	0.1267	0.0000	0.1267			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	**1.4397**	**13.8867**	**13.4879**	**0.0241**	**0.8367**	**0.6311**	**1.4678**	**0.1267**	**0.5895**	**0.7161**		**2,324.9459**	**2,324.9459**	**0.5884**		**2,339.6562**

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	7.7100e-003	0.5325	0.1244	2.2900e-003	0.0673	4.2600e-003	0.0716	0.0185	4.0800e-003	0.0225		249.4704	249.4704	8.3200e-003	0.0395	261.4611
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	0.0338	0.0223	0.2784	8.3000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		85.8634	85.8634	2.4600e-003	2.4100e-003	86.6434
Total	**0.0415**	**0.5547**	**0.4028**	**3.1200e-003**	**0.1741**	**4.7600e-003**	**0.1789**	**0.0468**	**4.5400e-003**	**0.0513**		**335.3338**	**335.3338**	**0.0108**	**0.0420**	**348.1045**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8367	0.0000	0.8367	0.1267	0.0000	0.1267			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	**1.4397**	**13.8867**	**13.4879**	**0.0241**	**0.8367**	**0.6311**	**1.4678**	**0.1267**	**0.5895**	**0.7161**	**0.0000**	**2,324.9459**	**2,324.9459**	**0.5884**		**2,339.6562**

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	7.7100e-003	0.5325	0.1244	2.2900e-003	0.0673	4.2600e-003	0.0716	0.0185	4.0800e-003	0.0225		249.4704	249.4704	8.3200e-003	0.0395	261.4611
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	0.0338	0.0223	0.2784	8.3000e-004	0.1068	5.0000e-004	0.1073	0.0283	4.6000e-004	0.0288		85.8634	85.8634	2.4600e-003	2.4100e-003	86.6434
Total	**0.0415**	**0.5547**	**0.4028**	**3.1200e-003**	**0.1741**	**4.7600e-003**	**0.1789**	**0.0468**	**4.5400e-003**	**0.0513**		**335.3338**	**335.3338**	**0.0108**	**0.0420**	**348.1045**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2662	0.0000	6.2662	3.0041	0.0000	3.0041			0.0000			0.0000
Off-Road	1.1067	11.8407	6.6317	0.0172		0.4823	0.4823		0.4437	0.4437		1,665.8826	1,665.8826	0.5388		1,679.3521
Total	**1.1067**	**11.8407**	**6.6317**	**0.0172**	**6.2662**	**0.4823**	**6.7485**	**3.0041**	**0.4437**	**3.4478**		**1,665.8826**	**1,665.8826**	**0.5388**		**1,679.3521**

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	0.0208	0.0137	0.1713	5.1000e-004	0.0657	3.1000e-004	0.0660	0.0174	2.9000e-004	0.0177		52.8390	52.8390	1.5200e-003	1.4800e-003	53.3190
Total	**0.0208**	**0.0137**	**0.1713**	**5.1000e-004**	**0.0657**	**3.1000e-004**	**0.0660**	**0.0174**	**2.9000e-004**	**0.0177**		**52.8390**	**52.8390**	**1.5200e-003**	**1.4800e-003**	**53.3190**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2662	0.0000	6.2662	3.0041	0.0000	3.0041			0.0000			0.0000
Off-Road	1.1067	11.8407	6.6317	0.0172		0.4823	0.4823		0.4437	0.4437	0.0000	1,665.8826	1,665.8826	0.5388		1,679.3521
Total	**1.1067**	**11.8407**	**6.6317**	**0.0172**	**6.2662**	**0.4823**	**6.7485**	**3.0041**	**0.4437**	**3.4478**	**0.0000**	**1,665.8826**	**1,665.8826**	**0.5388**		**1,679.3521**

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	0.0208	0.0137	0.1713	5.1000e-004	0.0657	3.1000e-004	0.0660	0.0174	2.9000e-004	0.0177		52.8390	52.8390	1.5200e-003	1.4800e-003	53.3190
Total	**0.0208**	**0.0137**	**0.1713**	**5.1000e-004**	**0.0657**	**3.1000e-004**	**0.0660**	**0.0174**	**2.9000e-004**	**0.0177**		**52.8390**	**52.8390**	**1.5200e-003**	**1.4800e-003**	**53.3190**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265		1,995.5803	1,995.5803	0.6454		2,011.7155
Total	**1.3015**	**13.8178**	**8.6998**	**0.0206**	**7.0826**	**0.5722**	**7.6548**	**3.4247**	**0.5265**	**3.9512**		**1,995.5803**	**1,995.5803**	**0.6454**		**2,011.7155**

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	7.8100e-003	5.1300e-003	0.0642	1.9000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6400e-003		19.8146	19.8146	5.7000e-004	5.6000e-004	19.9946
Total	**7.8100e-003**	**5.1300e-003**	**0.0642**	**1.9000e-004**	**0.0246**	**1.2000e-004**	**0.0248**	**6.5400e-003**	**1.1000e-004**	**6.6400e-003**		**19.8146**	**19.8146**	**5.7000e-004**	**5.6000e-004**	**19.9946**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3015	13.8178	8.6998	0.0206		0.5722	0.5722		0.5265	0.5265	0.0000	1,995.5803	1,995.5803	0.6454		2,011.7155
Total	**1.3015**	**13.8178**	**8.6998**	**0.0206**	**7.0826**	**0.5722**	**7.6548**	**3.4247**	**0.5265**	**3.9512**	**0.0000**	**1,995.5803**	**1,995.5803**	**0.6454**		**2,011.7155**

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	7.8100e-003	5.1300e-003	0.0642	1.9000e-004	0.0246	1.2000e-004	0.0248	6.5400e-003	1.1000e-004	6.6400e-003		19.8146	19.8146	5.7000e-004	5.6000e-004	19.9946
Total	**7.8100e-003**	**5.1300e-003**	**0.0642**	**1.9000e-004**	**0.0246**	**1.2000e-004**	**0.0248**	**6.5400e-003**	**1.1000e-004**	**6.6400e-003**		**19.8146**	**19.8146**	**5.7000e-004**	**5.6000e-004**	**19.9946**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**		**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

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	0.0122	0.5449	0.1664	2.4000e-003	0.0813	3.1500e-003	0.0844	0.0234	3.0200e-003	0.0264		257.2593	257.2593	5.2800e-003	0.0381	268.7348
Worker	0.1795	0.1181	1.4776	4.4200e-003	0.5668	2.6800e-003	0.5695	0.1504	2.4600e-003	0.1528		455.7362	455.7362	0.0131	0.0128	459.8764
Total	**0.1918**	**0.6630**	**1.6440**	**6.8200e-003**	**0.6481**	**5.8300e-003**	**0.6539**	**0.1738**	**5.4800e-003**	**0.1792**		**712.9956**	**712.9956**	**0.0184**	**0.0509**	**728.6112**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**	**0.0000**	**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

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	0.0122	0.5449	0.1664	2.4000e-003	0.0813	3.1500e-003	0.0844	0.0234	3.0200e-003	0.0264		257.2593	257.2593	5.2800e-003	0.0381	268.7348
Worker	0.1795	0.1181	1.4776	4.4200e-003	0.5668	2.6800e-003	0.5695	0.1504	2.4600e-003	0.1528		455.7362	455.7362	0.0131	0.0128	459.8764
Total	**0.1918**	**0.6630**	**1.6440**	**6.8200e-003**	**0.6481**	**5.8300e-003**	**0.6539**	**0.1738**	**5.4800e-003**	**0.1792**		**712.9956**	**712.9956**	**0.0184**	**0.0509**	**728.6112**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**		**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

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	0.0119	0.5428	0.1635	2.3500e-003	0.0813	3.1500e-003	0.0844	0.0234	3.0200e-003	0.0264		252.6882	252.6882	5.2500e-003	0.0374	263.9562
Worker	0.1692	0.1064	1.3886	4.2700e-003	0.5668	2.5600e-003	0.5694	0.1504	2.3600e-003	0.1527		444.8514	444.8514	0.0119	0.0120	448.7225
Total	**0.1811**	**0.6492**	**1.5522**	**6.6200e-003**	**0.6481**	**5.7100e-003**	**0.6538**	**0.1738**	**5.3800e-003**	**0.1791**		**697.5396**	**697.5396**	**0.0172**	**0.0494**	**712.6786**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	**1.3246**	**10.4128**	**12.4393**	**0.0221**		**0.3925**	**0.3925**		**0.3785**	**0.3785**	**0.0000**	**2,002.1524**	**2,002.1524**	**0.3269**		**2,010.3248**

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	0.0119	0.5428	0.1635	2.3500e-003	0.0813	3.1500e-003	0.0844	0.0234	3.0200e-003	0.0264		252.6882	252.6882	5.2500e-003	0.0374	263.9562
Worker	0.1692	0.1064	1.3886	4.2700e-003	0.5668	2.5600e-003	0.5694	0.1504	2.3600e-003	0.1527		444.8514	444.8514	0.0119	0.0120	448.7225
Total	**0.1811**	**0.6492**	**1.5522**	**6.6200e-003**	**0.6481**	**5.7100e-003**	**0.6538**	**0.1738**	**5.3800e-003**	**0.1791**		**697.5396**	**697.5396**	**0.0172**	**0.0494**	**712.6786**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5677	5.2743	8.7072	0.0134		0.2440	0.2440		0.2253	0.2253		1,284.6725	1,284.6725	0.4072		1,294.8517
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5677**	**5.2743**	**8.7072**	**0.0134**		**0.2440**	**0.2440**		**0.2253**	**0.2253**		**1,284.6725**	**1,284.6725**	**0.4072**		**1,294.8517**

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	0.0319	0.0200	0.2616	8.0000e-004	0.1068	4.8000e-004	0.1073	0.0283	4.4000e-004	0.0288		83.8126	83.8126	2.2400e-003	2.2600e-003	84.5419
Total	**0.0319**	**0.0200**	**0.2616**	**8.0000e-004**	**0.1068**	**4.8000e-004**	**0.1073**	**0.0283**	**4.4000e-004**	**0.0288**		**83.8126**	**83.8126**	**2.2400e-003**	**2.2600e-003**	**84.5419**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5677	5.2743	8.7072	0.0134		0.2440	0.2440		0.2253	0.2253	0.0000	1,284.6725	1,284.6725	0.4072		1,294.8517
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.5677**	**5.2743**	**8.7072**	**0.0134**		**0.2440**	**0.2440**		**0.2253**	**0.2253**	**0.0000**	**1,284.6725**	**1,284.6725**	**0.4072**		**1,294.8517**

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	0.0319	0.0200	0.2616	8.0000e-004	0.1068	4.8000e-004	0.1073	0.0283	4.4000e-004	0.0288		83.8126	83.8126	2.2400e-003	2.2600e-003	84.5419
Total	**0.0319**	**0.0200**	**0.2616**	**8.0000e-004**	**0.1068**	**4.8000e-004**	**0.1073**	**0.0283**	**4.4000e-004**	**0.0288**		**83.8126**	**83.8126**	**2.2400e-003**	**2.2600e-003**	**84.5419**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	**32.9950**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**		**281.4481**	**281.4481**	**0.0154**		**281.8319**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0343	0.0216	0.2818	8.7000e-004	0.1150	5.2000e-004	0.1155	0.0305	4.8000e-004	0.0310		90.2597	90.2597	2.4100e-003	2.4300e-003	91.0451
Total	**0.0343**	**0.0216**	**0.2818**	**8.7000e-004**	**0.1150**	**5.2000e-004**	**0.1155**	**0.0305**	**4.8000e-004**	**0.0310**		**90.2597**	**90.2597**	**2.4100e-003**	**2.4300e-003**	**91.0451**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	32.8241					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	**32.9950**	**1.1455**	**1.8091**	**2.9700e-003**		**0.0515**	**0.0515**		**0.0515**	**0.0515**	**0.0000**	**281.4481**	**281.4481**	**0.0154**		**281.8319**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0343	0.0216	0.2818	8.7000e-004	0.1150	5.2000e-004	0.1155	0.0305	4.8000e-004	0.0310		90.2597	90.2597	2.4100e-003	2.4300e-003	91.0451
Total	**0.0343**	**0.0216**	**0.2818**	**8.7000e-004**	**0.1150**	**5.2000e-004**	**0.1155**	**0.0305**	**4.8000e-004**	**0.0310**		**90.2597**	**90.2597**	**2.4100e-003**	**2.4300e-003**	**91.0451**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Integrate Below Market Rate Housing

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6808	0.6884	6.2864	0.0106	1.3646	7.5100e-003	1.3721	0.3635	6.9900e-003	0.3705		1,138.7474	1,138.7474	0.0892	0.0625	1,159.5863
Unmitigated	0.8493	0.9694	8.7153	0.0171	2.2483	0.0115	2.2597	0.5989	0.0107	0.6096		1,837.5748	1,837.5748	0.1180	0.0880	1,866.7364

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	462.40	417.35	347.65	1,015,237	616,184
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	462.40	417.35	347.65	1,015,237	616,184

4.3 Trip Type Information

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638
Enclosed Parking with Elevator	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638
Parking Lot	0.555148	0.059467	0.187500	0.120419	0.022094	0.005825	0.011277	0.007430	0.000952	0.000505	0.025870	0.000875	0.002638

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	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
NaturalGas Unmitigated	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1951.9	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0211**	**0.1799**	**0.0766**	**1.1500e-003**		**0.0145**	**0.0145**		**0.0145**	**0.0145**		**229.6351**	**229.6351**	**4.4000e-003**	**4.2100e-003**	**230.9997**

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	1.9519	0.0211	0.1799	0.0766	1.1500e-003		0.0145	0.0145		0.0145	0.0145		229.6351	229.6351	4.4000e-003	4.2100e-003	230.9997
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0211**	**0.1799**	**0.0766**	**1.1500e-003**		**0.0145**	**0.0145**		**0.0145**	**0.0145**		**229.6351**	**229.6351**	**4.4000e-003**	**4.2100e-003**	**230.9997**

6.0 Area Detail

6.1 Mitigation Measures Area

1265 Montecito Residential Project GHG Analysis - Bay Area AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7400	0.2209	15.5951	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9797	0.0000	244.1202
Unmitigated	1.7400	0.2209	15.5951	0.0284		1.4413	1.4413		1.4413	1.4413	206.9912	12.6366	219.6278	0.9797	0.0000	244.1202

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	0.0899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9466	0.1402	8.5966	0.0281		1.4024	1.4024		1.4024	1.4024	206.9912	0.0000	206.9912	0.9676	0.0000	231.1823
Landscaping	0.2096	0.0807	6.9986	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6366	12.6366	0.0121		12.9380
Total	**1.7400**	**0.2209**	**15.5951**	**0.0284**		**1.4413**	**1.4413**		**1.4413**	**1.4413**	**206.9912**	**12.6366**	**219.6278**	**0.9797**	**0.0000**	**244.1202**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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	0.0899					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4938					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.9466	0.1402	8.5966	0.0281		1.4024	1.4024		1.4024	1.4024	206.9912	0.0000	206.9912	0.9676	0.0000	231.1823
Landscaping	0.2096	0.0807	6.9986	3.7000e-004		0.0389	0.0389		0.0389	0.0389		12.6366	12.6366	0.0121		12.9380
Total	**1.7400**	**0.2209**	**15.5951**	**0.0284**		**1.4413**	**1.4413**		**1.4413**	**1.4413**	**206.9912**	**12.6366**	**219.6278**	**0.9797**	**0.0000**	**244.1202**

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Use Water Efficient Irrigation System

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation