

# Appendix AQ

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CalEEMod Outputs

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Annual

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

**1155 and 1185 Terra Bella AQ  
Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	19.96	1000sqft	1.30	19,958.00	0
Other Non-Asphalt Surfaces	18.88	1000sqft	0.00	18,882.00	0
Parking Lot	75.00	Space	0.00	30,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2025
<b>Utility Company</b>	Silicon Valley Clean Energy				
<b>CO2 Intensity (lb/MW hr)</b>	2	<b>CH4 Intensity (lb/MW hr)</b>	0	<b>N2O Intensity (lb/MW hr)</b>	0

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - applicant provided info

Construction Phase - applicant provided sched

Off-road Equipment - applicant provided

Off-road Equipment - applicant provided

Off-road Equipment - client provided

Off-road Equipment - client provided

Off-road Equipment - client provided

Trips and VMT - grading haul tracks have 25 CY capacity, haul trip length of 14.5 miles to Dumbarton Quarry

Grading - applicant provided

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Architectural Coating - BAAQMD reg 6 rule 3

Vehicle Trips - daily rate consistent with TDM

Area Coating - BAAQMD reg 6 rule 3

Energy Use - All electric development pursuant with City of Mountain View Building Code

Water And Wastewater - water 100% aerobic, treated at wastewater treatment plant in Mountain View; 221,647 gal/year outdoor water usage

Land Use Change -

Construction Off-road Equipment Mitigation - equipment all rated Tier 4 per applicant project info; project would comply with BAAQMD construction BMPs

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - system will allow for 78 to 95 kW of PV

Water Mitigation - project plans/applicant provided; CalGreen water reduction

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	25.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
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tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	200.00	280.00
tblConstructionPhase	NumDays	10.00	180.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24NG	16.14	0.00
tblGrading	MaterialExported	0.00	3,250.00
tblLandUse	LandUseSquareFeet	19,960.00	19,958.00
tblLandUse	LandUseSquareFeet	18,880.00	18,882.00
tblLandUse	LotAcreage	0.46	1.30

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tblLandUse	LotAcreage	0.43	0.00
tblLandUse	LotAcreage	0.68	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	14.50
tblTripsAndVMT	HaulingTripNumber	406.00	260.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	2,174,314.41	221,647.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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**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					
2023	0.3613	3.0057	3.3273	6.6800e-003	0.1201	0.1227	0.2429	0.0446	0.1195	0.1641	0.0000	544.9266	544.9266	0.0836	4.5100e-003	548.3606
2024	0.4022	2.6621	3.4507	6.3500e-003	0.0162	0.1082	0.1245	4.3900e-003	0.1053	0.1097	0.0000	535.5623	535.5623	0.0830	1.6100e-003	538.1161
2025	0.0193	0.1088	0.1571	2.8000e-004	2.6000e-004	4.2100e-003	4.4600e-003	7.0000e-005	4.0800e-003	4.1400e-003	0.0000	24.1494	24.1494	3.8600e-003	0.0000	24.2474
<b>Maximum</b>	<b>0.4022</b>	<b>3.0057</b>	<b>3.4507</b>	<b>6.6800e-003</b>	<b>0.1201</b>	<b>0.1227</b>	<b>0.2429</b>	<b>0.0446</b>	<b>0.1195</b>	<b>0.1641</b>	<b>0.0000</b>	<b>544.9266</b>	<b>544.9266</b>	<b>0.0836</b>	<b>4.5100e-003</b>	<b>548.3606</b>

**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					
2023	0.0999	1.8173	2.9289	6.6800e-003	0.0708	0.0232	0.0940	0.0246	0.0230	0.0476	0.0000	544.9260	544.9260	0.0836	4.5100e-003	548.3600
2024	0.2032	2.1166	3.5297	6.3500e-003	0.0162	0.0267	0.0430	4.3900e-003	0.0267	0.0311	0.0000	535.5617	535.5617	0.0830	1.6100e-003	538.1155
2025	0.0127	0.1067	0.1786	2.8000e-004	2.6000e-004	1.3400e-003	1.5900e-003	7.0000e-005	1.3400e-003	1.4000e-003	0.0000	24.1494	24.1494	3.8600e-003	0.0000	24.2474
<b>Maximum</b>	<b>0.2032</b>	<b>2.1166</b>	<b>3.5297</b>	<b>6.6800e-003</b>	<b>0.0708</b>	<b>0.0267</b>	<b>0.0940</b>	<b>0.0246</b>	<b>0.0267</b>	<b>0.0476</b>	<b>0.0000</b>	<b>544.9260</b>	<b>544.9260</b>	<b>0.0836</b>	<b>4.5100e-003</b>	<b>548.3600</b>

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	59.66	30.05	4.30	0.00	36.07	78.21	62.72	40.68	77.73	71.20	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	2-20-2023	5-19-2023	0.8077	0.4610
2	5-20-2023	8-19-2023	1.0301	0.5857
3	8-20-2023	11-19-2023	1.0308	0.5863
4	11-20-2023	2-19-2024	1.0103	0.5867
5	2-20-2024	5-19-2024	0.8063	0.4970
6	5-20-2024	8-19-2024	0.6864	0.6035
7	8-20-2024	11-19-2024	0.6864	0.6035
8	11-20-2024	2-19-2025	0.4330	0.3870
		Highest	1.0308	0.6035

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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**

**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	0.0926	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.3204	0.3204	0.0000	0.0000	0.3204
Mobile	0.0597	0.0669	0.5595	1.1700e-003	0.1296	8.6000e-004	0.1305	0.0346	8.1000e-004	0.0354	0.0000	110.6703	110.6703	7.1100e-003	5.2500e-003	112.4130
Waste						0.0000	0.0000		0.0000	0.0000	3.7675	0.0000	3.7675	0.2227	0.0000	9.3339
Water						0.0000	0.0000		0.0000	0.0000	1.2551	0.0181	1.2733	4.3200e-003	2.7300e-003	2.1947
<b>Total</b>	<b>0.1523</b>	<b>0.0669</b>	<b>0.5605</b>	<b>1.1700e-003</b>	<b>0.1296</b>	<b>8.6000e-004</b>	<b>0.1305</b>	<b>0.0346</b>	<b>8.1000e-004</b>	<b>0.0354</b>	<b>5.0226</b>	<b>111.0109</b>	<b>116.0335</b>	<b>0.2341</b>	<b>7.9800e-003</b>	<b>124.2641</b>



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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0926	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	-0.0001
Mobile	0.0597	0.0669	0.5595	1.1700e-003	0.1296	8.6000e-004	0.1305	0.0346	8.1000e-004	0.0354	0.0000	110.6703	110.6703	7.1100e-003	5.2500e-003	112.4130
Waste						0.0000	0.0000		0.0000	0.0000	3.7675	0.0000	3.7675	0.2227	0.0000	9.3339
Water						0.0000	0.0000		0.0000	0.0000	1.0041	0.0146	1.0187	3.4600e-003	2.1800e-003	1.7559
<b>Total</b>	<b>0.1523</b>	<b>0.0669</b>	<b>0.5605</b>	<b>1.1700e-003</b>	<b>0.1296</b>	<b>8.6000e-004</b>	<b>0.1305</b>	<b>0.0346</b>	<b>8.1000e-004</b>	<b>0.0354</b>	<b>4.7716</b>	<b>110.6869</b>	<b>115.4586</b>	<b>0.2332</b>	<b>7.4300e-003</b>	<b>123.5048</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.00</b>	<b>0.29</b>	<b>0.50</b>	<b>0.37</b>	<b>6.89</b>	<b>0.61</b>

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**2.3 Vegetation**

Vegetation

	CO2e
Category	MT
Vegetation Land Change	0.0000
<b>Total</b>	<b>0.0000</b>

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/20/2023	3/3/2023	5	10	
2	Grading	Grading	3/6/2023	3/31/2023	5	20	
3	Building Construction	Building Construction	4/3/2023	4/26/2024	5	280	
4	Paving	Paving	4/29/2024	5/10/2024	5	10	
5	Architectural Coating	Architectural Coating	5/13/2024	1/17/2025	5	180	

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 40**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,937; Non-Residential Outdoor: 9,979; Striped Parking Area: 2,933 (Architectural Coating – sqft)**

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**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Plate Compactors	1	8.00	8	0.43
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	25	8.00	9	0.56
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	7.00	80	0.38
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	1		64	0.46

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Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Aerial Lifts	4	8.00	63	0.31
Architectural Coating	Air Compressors	4	6.00	78	0.48
Architectural Coating	Cranes	1	8.00	231	0.29
Architectural Coating	Forklifts	1	8.00	89	0.20
Architectural Coating	Generator Sets	2	8.00	84	0.74
Architectural Coating	Rough Terrain Forklifts	1	8.00	100	0.40

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	260.00	10.80	7.30	14.50	LD_Mix	HDT_Mix	HHDT
Building Construction	37	27.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	13	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.9500e-003	0.0000	7.9500e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0500e-003	0.0659	0.0402	1.1000e-004		2.4300e-003	2.4300e-003		2.2400e-003	2.2400e-003	0.0000	9.7317	9.7317	3.1100e-003	0.0000	9.8095
<b>Total</b>	<b>6.0500e-003</b>	<b>0.0659</b>	<b>0.0402</b>	<b>1.1000e-004</b>	<b>7.9500e-003</b>	<b>2.4300e-003</b>	<b>0.0104</b>	<b>8.6000e-004</b>	<b>2.2400e-003</b>	<b>3.1000e-003</b>	<b>0.0000</b>	<b>9.7317</b>	<b>9.7317</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>9.8095</b>

**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-004	7.0000e-005	8.9000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2477	0.2477	1.0000e-005	1.0000e-005	0.2499
<b>Total</b>	<b>1.0000e-004</b>	<b>7.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.2477</b>	<b>0.2477</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2499</b>

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

**3.2 Site Preparation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.5800e-003	0.0000	3.5800e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0433	0.0489	1.1000e-004		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	9.7317	9.7317	3.1100e-003	0.0000	9.8095
<b>Total</b>	<b>3.1600e-003</b>	<b>0.0433</b>	<b>0.0489</b>	<b>1.1000e-004</b>	<b>3.5800e-003</b>	<b>8.8000e-004</b>	<b>4.4600e-003</b>	<b>3.9000e-004</b>	<b>8.2000e-004</b>	<b>1.2100e-003</b>	<b>0.0000</b>	<b>9.7317</b>	<b>9.7317</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>9.8095</b>

**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-004	7.0000e-005	8.9000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2477	0.2477	1.0000e-005	1.0000e-005	0.2499
<b>Total</b>	<b>1.0000e-004</b>	<b>7.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.2477</b>	<b>0.2477</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2499</b>

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

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0816	0.0000	0.0816	0.0354	0.0000	0.0354	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0190	0.2032	0.1115	3.1000e-004		8.0600e-003	8.0600e-003		7.4300e-003	7.4300e-003	0.0000	26.9657	26.9657	8.6500e-003	0.0000	27.1821
<b>Total</b>	<b>0.0190</b>	<b>0.2032</b>	<b>0.1115</b>	<b>3.1000e-004</b>	<b>0.0816</b>	<b>8.0600e-003</b>	<b>0.0897</b>	<b>0.0354</b>	<b>7.4300e-003</b>	<b>0.0429</b>	<b>0.0000</b>	<b>26.9657</b>	<b>26.9657</b>	<b>8.6500e-003</b>	<b>0.0000</b>	<b>27.1821</b>

**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	2.3000e-004	0.0134	3.5100e-003	6.0000e-005	1.5900e-003	1.0000e-004	1.7000e-003	4.4000e-004	1.0000e-004	5.4000e-004	0.0000	5.7110	5.7110	1.9000e-004	9.0000e-004	5.9853
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	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248
<b>Total</b>	<b>4.9000e-004</b>	<b>0.0136</b>	<b>5.7300e-003</b>	<b>7.0000e-005</b>	<b>2.3800e-003</b>	<b>1.0000e-004</b>	<b>2.4900e-003</b>	<b>6.5000e-004</b>	<b>1.0000e-004</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>6.3303</b>	<b>6.3303</b>	<b>2.1000e-004</b>	<b>9.2000e-004</b>	<b>6.6101</b>

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

**3.3 Grading - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0367	0.0000	0.0367	0.0159	0.0000	0.0159	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7100e-003	0.1091	0.1430	3.1000e-004		1.9000e-003	1.9000e-003		1.7700e-003	1.7700e-003	0.0000	26.9657	26.9657	8.6500e-003	0.0000	27.1820
<b>Total</b>	<b>7.7100e-003</b>	<b>0.1091</b>	<b>0.1430</b>	<b>3.1000e-004</b>	<b>0.0367</b>	<b>1.9000e-003</b>	<b>0.0386</b>	<b>0.0159</b>	<b>1.7700e-003</b>	<b>0.0177</b>	<b>0.0000</b>	<b>26.9657</b>	<b>26.9657</b>	<b>8.6500e-003</b>	<b>0.0000</b>	<b>27.1820</b>

**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	2.3000e-004	0.0134	3.5100e-003	6.0000e-005	1.5900e-003	1.0000e-004	1.7000e-003	4.4000e-004	1.0000e-004	5.4000e-004	0.0000	5.7110	5.7110	1.9000e-004	9.0000e-004	5.9853
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	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248
<b>Total</b>	<b>4.9000e-004</b>	<b>0.0136</b>	<b>5.7300e-003</b>	<b>7.0000e-005</b>	<b>2.3800e-003</b>	<b>1.0000e-004</b>	<b>2.4900e-003</b>	<b>6.5000e-004</b>	<b>1.0000e-004</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>6.3303</b>	<b>6.3303</b>	<b>2.1000e-004</b>	<b>9.2000e-004</b>	<b>6.6101</b>



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

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3278	2.6707	3.0957	5.8000e-003		0.1118	0.1118		0.1094	0.1094	0.0000	464.1775	464.1775	0.0708	0.0000	465.9462
<b>Total</b>	<b>0.3278</b>	<b>2.6707</b>	<b>3.0957</b>	<b>5.8000e-003</b>		<b>0.1118</b>	<b>0.1118</b>		<b>0.1094</b>	<b>0.1094</b>	<b>0.0000</b>	<b>464.1775</b>	<b>464.1775</b>	<b>0.0708</b>	<b>0.0000</b>	<b>465.9462</b>

**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	1.1400e-003	0.0477	0.0149	2.2000e-004	7.0400e-003	2.8000e-004	7.3200e-003	2.0400e-003	2.7000e-004	2.3000e-003	0.0000	21.1707	21.1707	4.3000e-004	3.1300e-003	22.1147
Worker	6.7400e-003	4.6100e-003	0.0584	1.8000e-004	0.0208	1.1000e-004	0.0209	5.5300e-003	1.0000e-004	5.6300e-003	0.0000	16.3031	16.3031	4.7000e-004	4.5000e-004	16.4481
<b>Total</b>	<b>7.8800e-003</b>	<b>0.0523</b>	<b>0.0733</b>	<b>4.0000e-004</b>	<b>0.0278</b>	<b>3.9000e-004</b>	<b>0.0282</b>	<b>7.5700e-003</b>	<b>3.7000e-004</b>	<b>7.9300e-003</b>	<b>0.0000</b>	<b>37.4737</b>	<b>37.4737</b>	<b>9.0000e-004</b>	<b>3.5800e-003</b>	<b>38.5628</b>

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

**3.4 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0806	1.5989	2.6571	5.8000e-003		0.0199	0.0199		0.0199	0.0199	0.0000	464.1770	464.1770	0.0708	0.0000	465.9456
<b>Total</b>	<b>0.0806</b>	<b>1.5989</b>	<b>2.6571</b>	<b>5.8000e-003</b>		<b>0.0199</b>	<b>0.0199</b>		<b>0.0199</b>	<b>0.0199</b>	<b>0.0000</b>	<b>464.1770</b>	<b>464.1770</b>	<b>0.0708</b>	<b>0.0000</b>	<b>465.9456</b>

**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	1.1400e-003	0.0477	0.0149	2.2000e-004	7.0400e-003	2.8000e-004	7.3200e-003	2.0400e-003	2.7000e-004	2.3000e-003	0.0000	21.1707	21.1707	4.3000e-004	3.1300e-003	22.1147
Worker	6.7400e-003	4.6100e-003	0.0584	1.8000e-004	0.0208	1.1000e-004	0.0209	5.5300e-003	1.0000e-004	5.6300e-003	0.0000	16.3031	16.3031	4.7000e-004	4.5000e-004	16.4481
<b>Total</b>	<b>7.8800e-003</b>	<b>0.0523</b>	<b>0.0733</b>	<b>4.0000e-004</b>	<b>0.0278</b>	<b>3.9000e-004</b>	<b>0.0282</b>	<b>7.5700e-003</b>	<b>3.7000e-004</b>	<b>7.9300e-003</b>	<b>0.0000</b>	<b>37.4737</b>	<b>37.4737</b>	<b>9.0000e-004</b>	<b>3.5800e-003</b>	<b>38.5628</b>

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

**3.4 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	0.1383	1.1190	1.3469	2.5300e-003		0.0448	0.0448		0.0438	0.0438	0.0000	202.3364	202.3364	0.0306	0.0000	203.1008
<b>Total</b>	<b>0.1383</b>	<b>1.1190</b>	<b>1.3469</b>	<b>2.5300e-003</b>		<b>0.0448</b>	<b>0.0448</b>		<b>0.0438</b>	<b>0.0438</b>	<b>0.0000</b>	<b>202.3364</b>	<b>202.3364</b>	<b>0.0306</b>	<b>0.0000</b>	<b>203.1008</b>

**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	4.8000e-004	0.0208	6.3700e-003	9.0000e-005	3.0700e-003	1.2000e-004	3.1900e-003	8.9000e-004	1.2000e-004	1.0000e-003	0.0000	9.0844	9.0844	1.9000e-004	1.3400e-003	9.4895
Worker	2.7500e-003	1.7900e-003	0.0238	7.0000e-005	9.0700e-003	4.0000e-005	9.1100e-003	2.4100e-003	4.0000e-005	2.4500e-003	0.0000	6.9312	6.9312	1.9000e-004	1.8000e-004	6.9900
<b>Total</b>	<b>3.2300e-003</b>	<b>0.0226</b>	<b>0.0301</b>	<b>1.6000e-004</b>	<b>0.0121</b>	<b>1.6000e-004</b>	<b>0.0123</b>	<b>3.3000e-003</b>	<b>1.6000e-004</b>	<b>3.4500e-003</b>	<b>0.0000</b>	<b>16.0156</b>	<b>16.0156</b>	<b>3.8000e-004</b>	<b>1.5200e-003</b>	<b>16.4795</b>

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**3.4 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	0.0351	0.6970	1.1582	2.5300e-003		8.6800e-003	8.6800e-003		8.6800e-003	8.6800e-003	0.0000	202.3361	202.3361	0.0306	0.0000	203.1005
<b>Total</b>	<b>0.0351</b>	<b>0.6970</b>	<b>1.1582</b>	<b>2.5300e-003</b>		<b>8.6800e-003</b>	<b>8.6800e-003</b>		<b>8.6800e-003</b>	<b>8.6800e-003</b>	<b>0.0000</b>	<b>202.3361</b>	<b>202.3361</b>	<b>0.0306</b>	<b>0.0000</b>	<b>203.1005</b>

**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	4.8000e-004	0.0208	6.3700e-003	9.0000e-005	3.0700e-003	1.2000e-004	3.1900e-003	8.9000e-004	1.2000e-004	1.0000e-003	0.0000	9.0844	9.0844	1.9000e-004	1.3400e-003	9.4895
Worker	2.7500e-003	1.7900e-003	0.0238	7.0000e-005	9.0700e-003	4.0000e-005	9.1100e-003	2.4100e-003	4.0000e-005	2.4500e-003	0.0000	6.9312	6.9312	1.9000e-004	1.8000e-004	6.9900
<b>Total</b>	<b>3.2300e-003</b>	<b>0.0226</b>	<b>0.0301</b>	<b>1.6000e-004</b>	<b>0.0121</b>	<b>1.6000e-004</b>	<b>0.0123</b>	<b>3.3000e-003</b>	<b>1.6000e-004</b>	<b>3.4500e-003</b>	<b>0.0000</b>	<b>16.0156</b>	<b>16.0156</b>	<b>3.8000e-004</b>	<b>1.5200e-003</b>	<b>16.4795</b>

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

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6400e-003	0.0328	0.0470	7.0000e-005		1.5400e-003	1.5400e-003		1.4300e-003	1.4300e-003	0.0000	6.3189	6.3189	1.9100e-003	0.0000	6.3667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.6400e-003</b>	<b>0.0328</b>	<b>0.0470</b>	<b>7.0000e-005</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>1.4300e-003</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>6.3189</b>	<b>6.3189</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>6.3667</b>

**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	2.4000e-004	1.6000e-004	2.0700e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6040	0.6040	2.0000e-005	2.0000e-005	0.6092
<b>Total</b>	<b>2.4000e-004</b>	<b>1.6000e-004</b>	<b>2.0700e-003</b>	<b>1.0000e-005</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>7.9000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.6040</b>	<b>0.6040</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.6092</b>

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

**3.5 Paving - 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	2.1200e-003	0.0258	0.0441	7.0000e-005		7.1000e-004	7.1000e-004		6.6000e-004	6.6000e-004	0.0000	6.3189	6.3189	1.9100e-003	0.0000	6.3667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.1200e-003</b>	<b>0.0258</b>	<b>0.0441</b>	<b>7.0000e-005</b>		<b>7.1000e-004</b>	<b>7.1000e-004</b>		<b>6.6000e-004</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>6.3189</b>	<b>6.3189</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>6.3667</b>

**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	2.4000e-004	1.6000e-004	2.0700e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6040	0.6040	2.0000e-005	2.0000e-005	0.6092
<b>Total</b>	<b>2.4000e-004</b>	<b>1.6000e-004</b>	<b>2.0700e-003</b>	<b>1.0000e-005</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>7.9000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.6040</b>	<b>0.6040</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.6092</b>

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**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0921					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1637	1.4869	2.0159	3.5500e-003		0.0618	0.0618		0.0599	0.0599	0.0000	307.7655	307.7655	0.0501	0.0000	309.0168
<b>Total</b>	<b>0.2558</b>	<b>1.4869</b>	<b>2.0159</b>	<b>3.5500e-003</b>		<b>0.0618</b>	<b>0.0618</b>		<b>0.0599</b>	<b>0.0599</b>	<b>0.0000</b>	<b>307.7655</b>	<b>307.7655</b>	<b>0.0501</b>	<b>0.0000</b>	<b>309.0168</b>

**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-003	6.5000e-004	8.6500e-003	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	1.0000e-005	8.9000e-004	0.0000	2.5218	2.5218	7.0000e-005	7.0000e-005	2.5432
<b>Total</b>	<b>1.0000e-003</b>	<b>6.5000e-004</b>	<b>8.6500e-003</b>	<b>3.0000e-005</b>	<b>3.3000e-003</b>	<b>2.0000e-005</b>	<b>3.3200e-003</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.5218</b>	<b>2.5218</b>	<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>2.5432</b>

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**3.6 Architectural Coating - 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					
Archit. Coating	0.0921					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0694	1.3704	2.2866	3.5500e-003		0.0171	0.0171		0.0171	0.0171	0.0000	307.7652	307.7652	0.0501	0.0000	309.0164
<b>Total</b>	<b>0.1615</b>	<b>1.3704</b>	<b>2.2866</b>	<b>3.5500e-003</b>		<b>0.0171</b>	<b>0.0171</b>		<b>0.0171</b>	<b>0.0171</b>	<b>0.0000</b>	<b>307.7652</b>	<b>307.7652</b>	<b>0.0501</b>	<b>0.0000</b>	<b>309.0164</b>

**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-003	6.5000e-004	8.6500e-003	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	1.0000e-005	8.9000e-004	0.0000	2.5218	2.5218	7.0000e-005	7.0000e-005	2.5432
<b>Total</b>	<b>1.0000e-003</b>	<b>6.5000e-004</b>	<b>8.6500e-003</b>	<b>3.0000e-005</b>	<b>3.3000e-003</b>	<b>2.0000e-005</b>	<b>3.3200e-003</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.5218</b>	<b>2.5218</b>	<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>2.5432</b>



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**3.6 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	7.1700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.1087	0.1565	2.8000e-004		4.2100e-003	4.2100e-003		4.0800e-003	4.0800e-003	0.0000	23.9578	23.9578	3.8600e-003	0.0000	24.0543
<b>Total</b>	<b>0.0192</b>	<b>0.1087</b>	<b>0.1565</b>	<b>2.8000e-004</b>		<b>4.2100e-003</b>	<b>4.2100e-003</b>		<b>4.0800e-003</b>	<b>4.0800e-003</b>	<b>0.0000</b>	<b>23.9578</b>	<b>23.9578</b>	<b>3.8600e-003</b>	<b>0.0000</b>	<b>24.0543</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	6.3000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1916	0.1916	0.0000	0.0000	0.1932
<b>Total</b>	<b>7.0000e-005</b>	<b>5.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.1916</b>	<b>0.1916</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1932</b>

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**3.6 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	7.1700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-003	0.1067	0.1780	2.8000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	23.9578	23.9578	3.8600e-003	0.0000	24.0542
<b>Total</b>	<b>0.0126</b>	<b>0.1067</b>	<b>0.1780</b>	<b>2.8000e-004</b>		<b>1.3300e-003</b>	<b>1.3300e-003</b>		<b>1.3300e-003</b>	<b>1.3300e-003</b>	<b>0.0000</b>	<b>23.9578</b>	<b>23.9578</b>	<b>3.8600e-003</b>	<b>0.0000</b>	<b>24.0542</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	6.3000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1916	0.1916	0.0000	0.0000	0.1932
<b>Total</b>	<b>7.0000e-005</b>	<b>5.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.1916</b>	<b>0.1916</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1932</b>

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**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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0597	0.0669	0.5595	1.1700e-003	0.1296	8.6000e-004	0.1305	0.0346	8.1000e-004	0.0354	0.0000	110.6703	110.6703	7.1100e-003	5.2500e-003	112.4130
Unmitigated	0.0597	0.0669	0.5595	1.1700e-003	0.1296	8.6000e-004	0.1305	0.0346	8.1000e-004	0.0354	0.0000	110.6703	110.6703	7.1100e-003	5.2500e-003	112.4130

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	194.41	44.11	13.97	351,681	351,681
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>194.41</b>	<b>44.11</b>	<b>13.97</b>	<b>351,681</b>	<b>351,681</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	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







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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	342679	0.3109	0.0000	0.0000	0.3109
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	10500	9.5300e-003	0.0000	0.0000	9.5300e-003
<b>Total</b>		<b>0.3204</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3204</b>

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	-26	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	-26	0.0000	0.0000	0.0000	0.0000
Parking Lot	-26	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>-0.0001</b>	<b>0.0000</b>	<b>0.0000</b>	<b>-0.0001</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0926	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003
Unmitigated	0.0926	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003

**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	0.0114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0811					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003
<b>Total</b>	<b>0.0926</b>	<b>1.0000e-005</b>	<b>1.0400e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0300e-003</b>	<b>2.0300e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.1700e-003</b>

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**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	0.0114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0811					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003
<b>Total</b>	<b>0.0926</b>	<b>1.0000e-005</b>	<b>1.0400e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0300e-003</b>	<b>2.0300e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.1700e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Annual

**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	1.0187	3.4600e-003	2.1800e-003	1.7559
Unmitigated	1.2733	4.3200e-003	2.7300e-003	2.1947

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	3.54757 / 0.221647	1.2733	4.3200e-003	2.7300e-003	2.1947
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.2733</b>	<b>4.3200e-003</b>	<b>2.7300e-003</b>	<b>2.1947</b>

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Annual

**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			
General Office Building	2.83805 / 0.221647	1.0187	3.4600e-003	2.1800e-003	1.7559
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.0187</b>	<b>3.4600e-003</b>	<b>2.1800e-003</b>	<b>1.7559</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

1155 and 1185 Terra Bella AQ - 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	3.7675	0.2227	0.0000	9.3339
Unmitigated	3.7675	0.2227	0.0000	9.3339

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	18.56	3.7675	0.2227	0.0000	9.3339
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.7675</b>	<b>0.2227</b>	<b>0.0000</b>	<b>9.3339</b>

1155 and 1185 Terra Bella AQ - 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			
General Office Building	18.56	3.7675	0.2227	0.0000	9.3339
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.7675</b>	<b>0.2227</b>	<b>0.0000</b>	<b>9.3339</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Annual

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

**11.0 Vegetation**

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

**11.1 Vegetation Land Change**

**Vegetation Type**

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Others	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

1155 and 1185 Terra Bella GHG - Bay Area AQMD Air District, Annual

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

**1155 and 1185 Terra Bella GHG**

**Bay Area AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	19.96	1000sqft	1.30	19,958.00	0
Other Non-Asphalt Surfaces	18.88	1000sqft	0.00	18,882.00	0
Parking Lot	75.00	Space	0.00	30,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2030
<b>Utility Company</b>	Silicon Valley Clean Energy				
<b>CO2 Intensity (lb/MW hr)</b>	2	<b>CH4 Intensity (lb/MW hr)</b>	0	<b>N2O Intensity (lb/MW hr)</b>	0

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - applicant provided info

Construction Phase - applicant provided sched

Off-road Equipment - applicant provided

Off-road Equipment - applicant provided

Off-road Equipment - client provided

Off-road Equipment - client provided

Off-road Equipment - client provided

Trips and VMT - grading haul tracks have 25 CY capacity, haul trip length of 14.5 miles to Dumbarton Quarry

Grading - applicant provided



1155 and 1185 Terra Bella GHG - Bay Area AQMD Air District, Annual

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

Architectural Coating - BAAQMD reg 6 rule 3

Vehicle Trips - daily rate consistent with TDM

Area Coating - BAAQMD reg 6 rule 3

Energy Use - All electric development pursuant with City of Mountain View Building Code

Water And Wastewater - water 100% aerobic, treated at wastewater treatment plant in Mountain View; 221,647 gal/year outdoor water usage

Land Use Change -

Construction Off-road Equipment Mitigation - equipment all rated Tier 4 per applicant project info; project would comply with BAAQMD construction BMPs

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - system will allow for 78 to 95 kW of PV

Water Mitigation - project plans/applicant provided; CalGreen water reduction

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	25.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

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

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
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tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	200.00	280.00
tblConstructionPhase	NumDays	10.00	180.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24NG	16.14	0.00
tblGrading	MaterialExported	0.00	3,250.00
tblLandUse	LandUseSquareFeet	19,960.00	19,958.00
tblLandUse	LandUseSquareFeet	18,880.00	18,882.00
tblLandUse	LotAcreage	0.46	1.30

1155 and 1185 Terra Bella GHG - Bay Area AQMD Air District, Annual

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

tblLandUse	LotAcreage	0.43	0.00
tblLandUse	LotAcreage	0.68	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	14.50
tblTripsAndVMT	HaulingTripNumber	406.00	260.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	2,174,314.41	221,647.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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1155 and 1185 Terra Bella GHG - 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					
2023	0.3613	3.0057	3.3273	6.6800e-003	0.1201	0.1227	0.2429	0.0446	0.1195	0.1641	0.0000	544.9266	544.9266	0.0836	4.5100e-003	548.3606
2024	0.4022	2.6621	3.4507	6.3500e-003	0.0162	0.1082	0.1245	4.3900e-003	0.1053	0.1097	0.0000	535.5623	535.5623	0.0830	1.6100e-003	538.1161
2025	0.0193	0.1088	0.1571	2.8000e-004	2.6000e-004	4.2100e-003	4.4600e-003	7.0000e-005	4.0800e-003	4.1400e-003	0.0000	24.1494	24.1494	3.8600e-003	0.0000	24.2474
<b>Maximum</b>	<b>0.4022</b>	<b>3.0057</b>	<b>3.4507</b>	<b>6.6800e-003</b>	<b>0.1201</b>	<b>0.1227</b>	<b>0.2429</b>	<b>0.0446</b>	<b>0.1195</b>	<b>0.1641</b>	<b>0.0000</b>	<b>544.9266</b>	<b>544.9266</b>	<b>0.0836</b>	<b>4.5100e-003</b>	<b>548.3606</b>

**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					
2023	0.0999	1.8173	2.9289	6.6800e-003	0.0708	0.0232	0.0940	0.0246	0.0230	0.0476	0.0000	544.9260	544.9260	0.0836	4.5100e-003	548.3600
2024	0.2032	2.1166	3.5297	6.3500e-003	0.0162	0.0267	0.0430	4.3900e-003	0.0267	0.0311	0.0000	535.5617	535.5617	0.0830	1.6100e-003	538.1155
2025	0.0127	0.1067	0.1786	2.8000e-004	2.6000e-004	1.3400e-003	1.5900e-003	7.0000e-005	1.3400e-003	1.4000e-003	0.0000	24.1494	24.1494	3.8600e-003	0.0000	24.2474
<b>Maximum</b>	<b>0.2032</b>	<b>2.1166</b>	<b>3.5297</b>	<b>6.6800e-003</b>	<b>0.0708</b>	<b>0.0267</b>	<b>0.0940</b>	<b>0.0246</b>	<b>0.0267</b>	<b>0.0476</b>	<b>0.0000</b>	<b>544.9260</b>	<b>544.9260</b>	<b>0.0836</b>	<b>4.5100e-003</b>	<b>548.3600</b>

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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
Percent Reduction	59.66	30.05	4.30	0.00	36.07	78.21	62.72	40.68	77.73	71.20	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	2-20-2023	5-19-2023	0.8077	0.4610
2	5-20-2023	8-19-2023	1.0301	0.5857
3	8-20-2023	11-19-2023	1.0308	0.5863
4	11-20-2023	2-19-2024	1.0103	0.5867
5	2-20-2024	5-19-2024	0.8063	0.4970
6	5-20-2024	8-19-2024	0.6864	0.6035
7	8-20-2024	11-19-2024	0.6864	0.6035
8	11-20-2024	2-19-2025	0.4330	0.3870
		Highest	1.0308	0.6035

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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**

**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	0.0926	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.3204	0.3204	0.0000	0.0000	0.3204
Mobile	0.0502	0.0546	0.4845	1.0300e-003	0.1297	6.8000e-004	0.1303	0.0346	6.4000e-004	0.0353	0.0000	100.2695	100.2695	6.0100e-003	4.5700e-003	101.7813
Waste						0.0000	0.0000		0.0000	0.0000	3.7675	0.0000	3.7675	0.2227	0.0000	9.3339
Water						0.0000	0.0000		0.0000	0.0000	1.2551	0.0181	1.2733	4.3200e-003	2.7300e-003	2.1947
<b>Total</b>	<b>0.1429</b>	<b>0.0546</b>	<b>0.4855</b>	<b>1.0300e-003</b>	<b>0.1297</b>	<b>6.8000e-004</b>	<b>0.1303</b>	<b>0.0346</b>	<b>6.4000e-004</b>	<b>0.0353</b>	<b>5.0226</b>	<b>100.6101</b>	<b>105.6327</b>	<b>0.2330</b>	<b>7.3000e-003</b>	<b>113.6323</b>

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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	0.0926	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	-0.0001
Mobile	0.0502	0.0546	0.4845	1.0300e-003	0.1297	6.8000e-004	0.1303	0.0346	6.4000e-004	0.0353	0.0000	100.2695	100.2695	6.0100e-003	4.5700e-003	101.7813
Waste						0.0000	0.0000		0.0000	0.0000	3.7675	0.0000	3.7675	0.2227	0.0000	9.3339
Water						0.0000	0.0000		0.0000	0.0000	1.0041	0.0146	1.0187	3.4600e-003	2.1800e-003	1.7559
<b>Total</b>	<b>0.1429</b>	<b>0.0546</b>	<b>0.4855</b>	<b>1.0300e-003</b>	<b>0.1297</b>	<b>6.8000e-004</b>	<b>0.1303</b>	<b>0.0346</b>	<b>6.4000e-004</b>	<b>0.0353</b>	<b>4.7716</b>	<b>100.2861</b>	<b>105.0577</b>	<b>0.2321</b>	<b>6.7500e-003</b>	<b>112.8731</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>5.00</b>	<b>0.32</b>	<b>0.54</b>	<b>0.37</b>	<b>7.53</b>	<b>0.67</b>

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

**2.3 Vegetation**

Vegetation

	CO2e
Category	MT
Vegetation Land Change	0.0000
<b>Total</b>	<b>0.0000</b>

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/20/2023	3/3/2023	5	10	
2	Grading	Grading	3/6/2023	3/31/2023	5	20	
3	Building Construction	Building Construction	4/3/2023	4/26/2024	5	280	
4	Paving	Paving	4/29/2024	5/10/2024	5	10	
5	Architectural Coating	Architectural Coating	5/13/2024	1/17/2025	5	180	

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 40**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,937; Non-Residential Outdoor: 9,979; Striped Parking Area: 2,933 (Architectural Coating – sqft)**



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

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Plate Compactors	1	8.00	8	0.43
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	25	8.00	9	0.56
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	7.00	80	0.38
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	1		64	0.46

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

Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Aerial Lifts	4	8.00	63	0.31
Architectural Coating	Air Compressors	4	6.00	78	0.48
Architectural Coating	Cranes	1	8.00	231	0.29
Architectural Coating	Forklifts	1	8.00	89	0.20
Architectural Coating	Generator Sets	2	8.00	84	0.74
Architectural Coating	Rough Terrain Forklifts	1	8.00	100	0.40

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	260.00	10.80	7.30	14.50	LD_Mix	HDT_Mix	HHDT
Building Construction	37	27.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	13	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.9500e-003	0.0000	7.9500e-003	8.6000e-004	0.0000	8.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0500e-003	0.0659	0.0402	1.1000e-004		2.4300e-003	2.4300e-003		2.2400e-003	2.2400e-003	0.0000	9.7317	9.7317	3.1100e-003	0.0000	9.8095
<b>Total</b>	<b>6.0500e-003</b>	<b>0.0659</b>	<b>0.0402</b>	<b>1.1000e-004</b>	<b>7.9500e-003</b>	<b>2.4300e-003</b>	<b>0.0104</b>	<b>8.6000e-004</b>	<b>2.2400e-003</b>	<b>3.1000e-003</b>	<b>0.0000</b>	<b>9.7317</b>	<b>9.7317</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>9.8095</b>

**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-004	7.0000e-005	8.9000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2477	0.2477	1.0000e-005	1.0000e-005	0.2499
<b>Total</b>	<b>1.0000e-004</b>	<b>7.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.2477</b>	<b>0.2477</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2499</b>

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**3.2 Site Preparation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.5800e-003	0.0000	3.5800e-003	3.9000e-004	0.0000	3.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1600e-003	0.0433	0.0489	1.1000e-004		8.8000e-004	8.8000e-004		8.2000e-004	8.2000e-004	0.0000	9.7317	9.7317	3.1100e-003	0.0000	9.8095
<b>Total</b>	<b>3.1600e-003</b>	<b>0.0433</b>	<b>0.0489</b>	<b>1.1000e-004</b>	<b>3.5800e-003</b>	<b>8.8000e-004</b>	<b>4.4600e-003</b>	<b>3.9000e-004</b>	<b>8.2000e-004</b>	<b>1.2100e-003</b>	<b>0.0000</b>	<b>9.7317</b>	<b>9.7317</b>	<b>3.1100e-003</b>	<b>0.0000</b>	<b>9.8095</b>

**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-004	7.0000e-005	8.9000e-004	0.0000	3.2000e-004	0.0000	3.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.2477	0.2477	1.0000e-005	1.0000e-005	0.2499
<b>Total</b>	<b>1.0000e-004</b>	<b>7.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.2477</b>	<b>0.2477</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2499</b>

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

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0816	0.0000	0.0816	0.0354	0.0000	0.0354	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0190	0.2032	0.1115	3.1000e-004		8.0600e-003	8.0600e-003		7.4300e-003	7.4300e-003	0.0000	26.9657	26.9657	8.6500e-003	0.0000	27.1821
<b>Total</b>	<b>0.0190</b>	<b>0.2032</b>	<b>0.1115</b>	<b>3.1000e-004</b>	<b>0.0816</b>	<b>8.0600e-003</b>	<b>0.0897</b>	<b>0.0354</b>	<b>7.4300e-003</b>	<b>0.0429</b>	<b>0.0000</b>	<b>26.9657</b>	<b>26.9657</b>	<b>8.6500e-003</b>	<b>0.0000</b>	<b>27.1821</b>

**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	2.3000e-004	0.0134	3.5100e-003	6.0000e-005	1.5900e-003	1.0000e-004	1.7000e-003	4.4000e-004	1.0000e-004	5.4000e-004	0.0000	5.7110	5.7110	1.9000e-004	9.0000e-004	5.9853
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	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248
<b>Total</b>	<b>4.9000e-004</b>	<b>0.0136</b>	<b>5.7300e-003</b>	<b>7.0000e-005</b>	<b>2.3800e-003</b>	<b>1.0000e-004</b>	<b>2.4900e-003</b>	<b>6.5000e-004</b>	<b>1.0000e-004</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>6.3303</b>	<b>6.3303</b>	<b>2.1000e-004</b>	<b>9.2000e-004</b>	<b>6.6101</b>

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**3.3 Grading - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0367	0.0000	0.0367	0.0159	0.0000	0.0159	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7100e-003	0.1091	0.1430	3.1000e-004		1.9000e-003	1.9000e-003		1.7700e-003	1.7700e-003	0.0000	26.9657	26.9657	8.6500e-003	0.0000	27.1820
<b>Total</b>	<b>7.7100e-003</b>	<b>0.1091</b>	<b>0.1430</b>	<b>3.1000e-004</b>	<b>0.0367</b>	<b>1.9000e-003</b>	<b>0.0386</b>	<b>0.0159</b>	<b>1.7700e-003</b>	<b>0.0177</b>	<b>0.0000</b>	<b>26.9657</b>	<b>26.9657</b>	<b>8.6500e-003</b>	<b>0.0000</b>	<b>27.1820</b>

**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	2.3000e-004	0.0134	3.5100e-003	6.0000e-005	1.5900e-003	1.0000e-004	1.7000e-003	4.4000e-004	1.0000e-004	5.4000e-004	0.0000	5.7110	5.7110	1.9000e-004	9.0000e-004	5.9853
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	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248
<b>Total</b>	<b>4.9000e-004</b>	<b>0.0136</b>	<b>5.7300e-003</b>	<b>7.0000e-005</b>	<b>2.3800e-003</b>	<b>1.0000e-004</b>	<b>2.4900e-003</b>	<b>6.5000e-004</b>	<b>1.0000e-004</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>6.3303</b>	<b>6.3303</b>	<b>2.1000e-004</b>	<b>9.2000e-004</b>	<b>6.6101</b>

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

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3278	2.6707	3.0957	5.8000e-003		0.1118	0.1118		0.1094	0.1094	0.0000	464.1775	464.1775	0.0708	0.0000	465.9462
<b>Total</b>	<b>0.3278</b>	<b>2.6707</b>	<b>3.0957</b>	<b>5.8000e-003</b>		<b>0.1118</b>	<b>0.1118</b>		<b>0.1094</b>	<b>0.1094</b>	<b>0.0000</b>	<b>464.1775</b>	<b>464.1775</b>	<b>0.0708</b>	<b>0.0000</b>	<b>465.9462</b>

**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	1.1400e-003	0.0477	0.0149	2.2000e-004	7.0400e-003	2.8000e-004	7.3200e-003	2.0400e-003	2.7000e-004	2.3000e-003	0.0000	21.1707	21.1707	4.3000e-004	3.1300e-003	22.1147
Worker	6.7400e-003	4.6100e-003	0.0584	1.8000e-004	0.0208	1.1000e-004	0.0209	5.5300e-003	1.0000e-004	5.6300e-003	0.0000	16.3031	16.3031	4.7000e-004	4.5000e-004	16.4481
<b>Total</b>	<b>7.8800e-003</b>	<b>0.0523</b>	<b>0.0733</b>	<b>4.0000e-004</b>	<b>0.0278</b>	<b>3.9000e-004</b>	<b>0.0282</b>	<b>7.5700e-003</b>	<b>3.7000e-004</b>	<b>7.9300e-003</b>	<b>0.0000</b>	<b>37.4737</b>	<b>37.4737</b>	<b>9.0000e-004</b>	<b>3.5800e-003</b>	<b>38.5628</b>

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**3.4 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0806	1.5989	2.6571	5.8000e-003		0.0199	0.0199		0.0199	0.0199	0.0000	464.1770	464.1770	0.0708	0.0000	465.9456
<b>Total</b>	<b>0.0806</b>	<b>1.5989</b>	<b>2.6571</b>	<b>5.8000e-003</b>		<b>0.0199</b>	<b>0.0199</b>		<b>0.0199</b>	<b>0.0199</b>	<b>0.0000</b>	<b>464.1770</b>	<b>464.1770</b>	<b>0.0708</b>	<b>0.0000</b>	<b>465.9456</b>

**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	1.1400e-003	0.0477	0.0149	2.2000e-004	7.0400e-003	2.8000e-004	7.3200e-003	2.0400e-003	2.7000e-004	2.3000e-003	0.0000	21.1707	21.1707	4.3000e-004	3.1300e-003	22.1147
Worker	6.7400e-003	4.6100e-003	0.0584	1.8000e-004	0.0208	1.1000e-004	0.0209	5.5300e-003	1.0000e-004	5.6300e-003	0.0000	16.3031	16.3031	4.7000e-004	4.5000e-004	16.4481
<b>Total</b>	<b>7.8800e-003</b>	<b>0.0523</b>	<b>0.0733</b>	<b>4.0000e-004</b>	<b>0.0278</b>	<b>3.9000e-004</b>	<b>0.0282</b>	<b>7.5700e-003</b>	<b>3.7000e-004</b>	<b>7.9300e-003</b>	<b>0.0000</b>	<b>37.4737</b>	<b>37.4737</b>	<b>9.0000e-004</b>	<b>3.5800e-003</b>	<b>38.5628</b>



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

**3.4 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	0.1383	1.1190	1.3469	2.5300e-003		0.0448	0.0448		0.0438	0.0438	0.0000	202.3364	202.3364	0.0306	0.0000	203.1008
<b>Total</b>	<b>0.1383</b>	<b>1.1190</b>	<b>1.3469</b>	<b>2.5300e-003</b>		<b>0.0448</b>	<b>0.0448</b>		<b>0.0438</b>	<b>0.0438</b>	<b>0.0000</b>	<b>202.3364</b>	<b>202.3364</b>	<b>0.0306</b>	<b>0.0000</b>	<b>203.1008</b>

**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	4.8000e-004	0.0208	6.3700e-003	9.0000e-005	3.0700e-003	1.2000e-004	3.1900e-003	8.9000e-004	1.2000e-004	1.0000e-003	0.0000	9.0844	9.0844	1.9000e-004	1.3400e-003	9.4895
Worker	2.7500e-003	1.7900e-003	0.0238	7.0000e-005	9.0700e-003	4.0000e-005	9.1100e-003	2.4100e-003	4.0000e-005	2.4500e-003	0.0000	6.9312	6.9312	1.9000e-004	1.8000e-004	6.9900
<b>Total</b>	<b>3.2300e-003</b>	<b>0.0226</b>	<b>0.0301</b>	<b>1.6000e-004</b>	<b>0.0121</b>	<b>1.6000e-004</b>	<b>0.0123</b>	<b>3.3000e-003</b>	<b>1.6000e-004</b>	<b>3.4500e-003</b>	<b>0.0000</b>	<b>16.0156</b>	<b>16.0156</b>	<b>3.8000e-004</b>	<b>1.5200e-003</b>	<b>16.4795</b>

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

**3.4 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	0.0351	0.6970	1.1582	2.5300e-003		8.6800e-003	8.6800e-003		8.6800e-003	8.6800e-003	0.0000	202.3361	202.3361	0.0306	0.0000	203.1005
<b>Total</b>	<b>0.0351</b>	<b>0.6970</b>	<b>1.1582</b>	<b>2.5300e-003</b>		<b>8.6800e-003</b>	<b>8.6800e-003</b>		<b>8.6800e-003</b>	<b>8.6800e-003</b>	<b>0.0000</b>	<b>202.3361</b>	<b>202.3361</b>	<b>0.0306</b>	<b>0.0000</b>	<b>203.1005</b>

**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	4.8000e-004	0.0208	6.3700e-003	9.0000e-005	3.0700e-003	1.2000e-004	3.1900e-003	8.9000e-004	1.2000e-004	1.0000e-003	0.0000	9.0844	9.0844	1.9000e-004	1.3400e-003	9.4895
Worker	2.7500e-003	1.7900e-003	0.0238	7.0000e-005	9.0700e-003	4.0000e-005	9.1100e-003	2.4100e-003	4.0000e-005	2.4500e-003	0.0000	6.9312	6.9312	1.9000e-004	1.8000e-004	6.9900
<b>Total</b>	<b>3.2300e-003</b>	<b>0.0226</b>	<b>0.0301</b>	<b>1.6000e-004</b>	<b>0.0121</b>	<b>1.6000e-004</b>	<b>0.0123</b>	<b>3.3000e-003</b>	<b>1.6000e-004</b>	<b>3.4500e-003</b>	<b>0.0000</b>	<b>16.0156</b>	<b>16.0156</b>	<b>3.8000e-004</b>	<b>1.5200e-003</b>	<b>16.4795</b>

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

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6400e-003	0.0328	0.0470	7.0000e-005		1.5400e-003	1.5400e-003		1.4300e-003	1.4300e-003	0.0000	6.3189	6.3189	1.9100e-003	0.0000	6.3667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>3.6400e-003</b>	<b>0.0328</b>	<b>0.0470</b>	<b>7.0000e-005</b>		<b>1.5400e-003</b>	<b>1.5400e-003</b>		<b>1.4300e-003</b>	<b>1.4300e-003</b>	<b>0.0000</b>	<b>6.3189</b>	<b>6.3189</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>6.3667</b>

**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	2.4000e-004	1.6000e-004	2.0700e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6040	0.6040	2.0000e-005	2.0000e-005	0.6092
<b>Total</b>	<b>2.4000e-004</b>	<b>1.6000e-004</b>	<b>2.0700e-003</b>	<b>1.0000e-005</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>7.9000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.6040</b>	<b>0.6040</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.6092</b>

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

**3.5 Paving - 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	2.1200e-003	0.0258	0.0441	7.0000e-005		7.1000e-004	7.1000e-004		6.6000e-004	6.6000e-004	0.0000	6.3189	6.3189	1.9100e-003	0.0000	6.3667
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.1200e-003</b>	<b>0.0258</b>	<b>0.0441</b>	<b>7.0000e-005</b>		<b>7.1000e-004</b>	<b>7.1000e-004</b>		<b>6.6000e-004</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>6.3189</b>	<b>6.3189</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>6.3667</b>

**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	2.4000e-004	1.6000e-004	2.0700e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6040	0.6040	2.0000e-005	2.0000e-005	0.6092
<b>Total</b>	<b>2.4000e-004</b>	<b>1.6000e-004</b>	<b>2.0700e-003</b>	<b>1.0000e-005</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>7.9000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.6040</b>	<b>0.6040</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.6092</b>

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

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0921					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1637	1.4869	2.0159	3.5500e-003		0.0618	0.0618		0.0599	0.0599	0.0000	307.7655	307.7655	0.0501	0.0000	309.0168
<b>Total</b>	<b>0.2558</b>	<b>1.4869</b>	<b>2.0159</b>	<b>3.5500e-003</b>		<b>0.0618</b>	<b>0.0618</b>		<b>0.0599</b>	<b>0.0599</b>	<b>0.0000</b>	<b>307.7655</b>	<b>307.7655</b>	<b>0.0501</b>	<b>0.0000</b>	<b>309.0168</b>

**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-003	6.5000e-004	8.6500e-003	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	1.0000e-005	8.9000e-004	0.0000	2.5218	2.5218	7.0000e-005	7.0000e-005	2.5432
<b>Total</b>	<b>1.0000e-003</b>	<b>6.5000e-004</b>	<b>8.6500e-003</b>	<b>3.0000e-005</b>	<b>3.3000e-003</b>	<b>2.0000e-005</b>	<b>3.3200e-003</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.5218</b>	<b>2.5218</b>	<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>2.5432</b>

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

**3.6 Architectural Coating - 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					
Archit. Coating	0.0921					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0694	1.3704	2.2866	3.5500e-003		0.0171	0.0171		0.0171	0.0171	0.0000	307.7652	307.7652	0.0501	0.0000	309.0164
<b>Total</b>	<b>0.1615</b>	<b>1.3704</b>	<b>2.2866</b>	<b>3.5500e-003</b>		<b>0.0171</b>	<b>0.0171</b>		<b>0.0171</b>	<b>0.0171</b>	<b>0.0000</b>	<b>307.7652</b>	<b>307.7652</b>	<b>0.0501</b>	<b>0.0000</b>	<b>309.0164</b>

**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-003	6.5000e-004	8.6500e-003	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	1.0000e-005	8.9000e-004	0.0000	2.5218	2.5218	7.0000e-005	7.0000e-005	2.5432
<b>Total</b>	<b>1.0000e-003</b>	<b>6.5000e-004</b>	<b>8.6500e-003</b>	<b>3.0000e-005</b>	<b>3.3000e-003</b>	<b>2.0000e-005</b>	<b>3.3200e-003</b>	<b>8.8000e-004</b>	<b>1.0000e-005</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>2.5218</b>	<b>2.5218</b>	<b>7.0000e-005</b>	<b>7.0000e-005</b>	<b>2.5432</b>

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

**3.6 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	7.1700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.1087	0.1565	2.8000e-004		4.2100e-003	4.2100e-003		4.0800e-003	4.0800e-003	0.0000	23.9578	23.9578	3.8600e-003	0.0000	24.0543
<b>Total</b>	<b>0.0192</b>	<b>0.1087</b>	<b>0.1565</b>	<b>2.8000e-004</b>		<b>4.2100e-003</b>	<b>4.2100e-003</b>		<b>4.0800e-003</b>	<b>4.0800e-003</b>	<b>0.0000</b>	<b>23.9578</b>	<b>23.9578</b>	<b>3.8600e-003</b>	<b>0.0000</b>	<b>24.0543</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	6.3000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1916	0.1916	0.0000	0.0000	0.1932
<b>Total</b>	<b>7.0000e-005</b>	<b>5.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.1916</b>	<b>0.1916</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1932</b>

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

**3.6 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	7.1700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4000e-003	0.1067	0.1780	2.8000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	23.9578	23.9578	3.8600e-003	0.0000	24.0542
<b>Total</b>	<b>0.0126</b>	<b>0.1067</b>	<b>0.1780</b>	<b>2.8000e-004</b>		<b>1.3300e-003</b>	<b>1.3300e-003</b>		<b>1.3300e-003</b>	<b>1.3300e-003</b>	<b>0.0000</b>	<b>23.9578</b>	<b>23.9578</b>	<b>3.8600e-003</b>	<b>0.0000</b>	<b>24.0542</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	6.3000e-004	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1916	0.1916	0.0000	0.0000	0.1932
<b>Total</b>	<b>7.0000e-005</b>	<b>5.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>0.0000</b>	<b>2.6000e-004</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.1916</b>	<b>0.1916</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1932</b>



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**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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0502	0.0546	0.4845	1.0300e-003	0.1297	6.8000e-004	0.1303	0.0346	6.4000e-004	0.0353	0.0000	100.2695	100.2695	6.0100e-003	4.5700e-003	101.7813
Unmitigated	0.0502	0.0546	0.4845	1.0300e-003	0.1297	6.8000e-004	0.1303	0.0346	6.4000e-004	0.0353	0.0000	100.2695	100.2695	6.0100e-003	4.5700e-003	101.7813

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	194.41	44.11	13.97	351,681	351,681
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>194.41</b>	<b>44.11</b>	<b>13.97</b>	<b>351,681</b>	<b>351,681</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	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







1155 and 1185 Terra Bella GHG - 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			
General Office Building	342679	0.3109	0.0000	0.0000	0.3109
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	10500	9.5300e-003	0.0000	0.0000	9.5300e-003
<b>Total</b>		<b>0.3204</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3204</b>

1155 and 1185 Terra Bella GHG - 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**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	-26	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	-26	0.0000	0.0000	0.0000	0.0000
Parking Lot	-26	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>-0.0001</b>	<b>0.0000</b>	<b>0.0000</b>	<b>-0.0001</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

1155 and 1185 Terra Bella GHG - 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	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0926	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003
Unmitigated	0.0926	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003

**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	0.0114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0811					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003
<b>Total</b>	<b>0.0926</b>	<b>1.0000e-005</b>	<b>1.0400e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0300e-003</b>	<b>2.0300e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.1700e-003</b>

1155 and 1185 Terra Bella GHG - 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	0.0114					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0811					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0400e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0300e-003	2.0300e-003	1.0000e-005	0.0000	2.1700e-003
<b>Total</b>	<b>0.0926</b>	<b>1.0000e-005</b>	<b>1.0400e-003</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0300e-003</b>	<b>2.0300e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.1700e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy



1155 and 1185 Terra Bella GHG - Bay Area AQMD Air District, Annual

**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	1.0187	3.4600e-003	2.1800e-003	1.7559
Unmitigated	1.2733	4.3200e-003	2.7300e-003	2.1947

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	3.54757 / 0.221647	1.2733	4.3200e-003	2.7300e-003	2.1947
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.2733</b>	<b>4.3200e-003</b>	<b>2.7300e-003</b>	<b>2.1947</b>

1155 and 1185 Terra Bella GHG - Bay Area AQMD Air District, Annual

**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			
General Office Building	2.83805 / 0.221647	1.0187	3.4600e-003	2.1800e-003	1.7559
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.0187</b>	<b>3.4600e-003</b>	<b>2.1800e-003</b>	<b>1.7559</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

1155 and 1185 Terra Bella GHG - 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	3.7675	0.2227	0.0000	9.3339
Unmitigated	3.7675	0.2227	0.0000	9.3339

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	18.56	3.7675	0.2227	0.0000	9.3339
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.7675</b>	<b>0.2227</b>	<b>0.0000</b>	<b>9.3339</b>

1155 and 1185 Terra Bella GHG - 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			
General Office Building	18.56	3.7675	0.2227	0.0000	9.3339
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>3.7675</b>	<b>0.2227</b>	<b>0.0000</b>	<b>9.3339</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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1155 and 1185 Terra Bella GHG - Bay Area AQMD Air District, Annual

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

**11.0 Vegetation**

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

**11.1 Vegetation Land Change**

Vegetation Type

	Initial/Final	Total CO2	CH4	N2O	CO2e
	Acres	MT			
Others	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Summer

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

**1155 and 1185 Terra Bella AQ  
Bay Area AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	19.96	1000sqft	1.30	19,958.00	0
Other Non-Asphalt Surfaces	18.88	1000sqft	0.00	18,882.00	0
Parking Lot	75.00	Space	0.00	30,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2025
<b>Utility Company</b>	Silicon Valley Clean Energy				
<b>CO2 Intensity (lb/MW hr)</b>	2	<b>CH4 Intensity (lb/MW hr)</b>	0	<b>N2O Intensity (lb/MW hr)</b>	0

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - applicant provided info

Construction Phase - applicant provided sched

Off-road Equipment - applicant provided

Off-road Equipment - applicant provided

Off-road Equipment - client provided

Off-road Equipment - client provided

Off-road Equipment - client provided

Trips and VMT - grading haul tracks have 25 CY capacity, haul trip length of 14.5 miles to Dumbarton Quarry

Grading - applicant provided

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Summer

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

Architectural Coating - BAAQMD reg 6 rule 3

Vehicle Trips - daily rate consistent with TDM

Area Coating - BAAQMD reg 6 rule 3

Energy Use - All electric development pursuant with City of Mountain View Building Code

Water And Wastewater - water 100% aerobic, treated at wastewater treatment plant in Mountain View; 221,647 gal/year outdoor water usage

Land Use Change -

Construction Off-road Equipment Mitigation - equipment all rated Tier 4 per applicant project info; project would comply with BAAQMD construction BMPs

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - system will allow for 78 to 95 kW of PV

Water Mitigation - project plans/applicant provided; CalGreen water reduction

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	25.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Summer

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

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	200.00	280.00
tblConstructionPhase	NumDays	10.00	180.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24NG	16.14	0.00
tblGrading	MaterialExported	0.00	3,250.00
tblLandUse	LandUseSquareFeet	19,960.00	19,958.00
tblLandUse	LandUseSquareFeet	18,880.00	18,882.00
tblLandUse	LotAcreage	0.46	1.30



1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Summer

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

tblLandUse	LotAcreage	0.43	0.00
tblLandUse	LotAcreage	0.68	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	14.50
tblTripsAndVMT	HaulingTripNumber	406.00	260.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	2,174,314.41	221,647.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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1155 and 1185 Terra Bella AQ - 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					
2023	3.4472	27.9052	32.5472	0.0636	8.4085	1.1502	9.2256	3.6090	1.1258	4.3618	0.0000	5,683.873 7	5,683.873 7	0.9763	0.1014	5,716.045 2
2024	3.3340	26.8392	32.4415	0.0635	0.2963	1.0568	1.3531	0.0803	1.0346	1.1149	0.0000	5,675.326 8	5,675.326 8	0.8024	0.0392	5,707.056 2
2025	2.9643	16.7315	24.1798	0.0428	0.0411	0.6471	0.6882	0.0109	0.6271	0.6380	0.0000	4,097.599 7	4,097.599 7	0.6551	7.6000e-004	4,114.203 2
<b>Maximum</b>	<b>3.4472</b>	<b>27.9052</b>	<b>32.5472</b>	<b>0.0636</b>	<b>8.4085</b>	<b>1.1502</b>	<b>9.2256</b>	<b>3.6090</b>	<b>1.1258</b>	<b>4.3618</b>	<b>0.0000</b>	<b>5,683.873 7</b>	<b>5,683.873 7</b>	<b>0.9763</b>	<b>0.1014</b>	<b>5,716.045 2</b>

**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					
2023	0.9114	16.9130	28.0482	0.0636	3.9197	0.2083	4.1201	1.6609	0.2081	1.8487	0.0000	5,683.873 7	5,683.873 7	0.9763	0.1014	5,716.045 2
2024	1.9471	16.9088	28.0011	0.0635	0.2963	0.2083	0.5046	0.0803	0.2080	0.2883	0.0000	5,675.326 8	5,675.326 8	0.8024	0.0392	5,707.056 2
2025	1.9463	16.4187	27.4884	0.0428	0.0411	0.2055	0.2466	0.0109	0.2055	0.2164	0.0000	4,097.599 7	4,097.599 7	0.6551	7.6000e-004	4,114.203 2
<b>Maximum</b>	<b>1.9471</b>	<b>16.9130</b>	<b>28.0482</b>	<b>0.0636</b>	<b>3.9197</b>	<b>0.2083</b>	<b>4.1201</b>	<b>1.6609</b>	<b>0.2081</b>	<b>1.8487</b>	<b>0.0000</b>	<b>5,683.873 7</b>	<b>5,683.873 7</b>	<b>0.9763</b>	<b>0.1014</b>	<b>5,716.045 2</b>

## 1155 and 1185 Terra Bella AQ - 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
Percent Reduction	50.70	29.71	6.31	0.00	51.32	78.21	56.77	52.65	77.70	61.51	0.00	0.00	0.00	0.00	0.00	0.00

1155 and 1185 Terra Bella AQ - 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	0.5081	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.4820	0.4467	4.0437	8.9500e-003	0.9779	6.2800e-003	0.9842	0.2605	5.8500e-003	0.2663		933.2240	933.2240	0.0533	0.0399	946.4466
<b>Total</b>	<b>0.9901</b>	<b>0.4468</b>	<b>4.0553</b>	<b>8.9500e-003</b>	<b>0.9779</b>	<b>6.3200e-003</b>	<b>0.9842</b>	<b>0.2605</b>	<b>5.8900e-003</b>	<b>0.2664</b>		<b>933.2489</b>	<b>933.2489</b>	<b>0.0533</b>	<b>0.0399</b>	<b>946.4731</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5081	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.4820	0.4467	4.0437	8.9500e-003	0.9779	6.2800e-003	0.9842	0.2605	5.8500e-003	0.2663		933.2240	933.2240	0.0533	0.0399	946.4466
<b>Total</b>	<b>0.9901</b>	<b>0.4468</b>	<b>4.0553</b>	<b>8.9500e-003</b>	<b>0.9779</b>	<b>6.3200e-003</b>	<b>0.9842</b>	<b>0.2605</b>	<b>5.8900e-003</b>	<b>0.2664</b>		<b>933.2489</b>	<b>933.2489</b>	<b>0.0533</b>	<b>0.0399</b>	<b>946.4731</b>

1155 and 1185 Terra Bella AQ - 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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/20/2023	3/3/2023	5	10	
2	Grading	Grading	3/6/2023	3/31/2023	5	20	
3	Building Construction	Building Construction	4/3/2023	4/26/2024	5	280	
4	Paving	Paving	4/29/2024	5/10/2024	5	10	
5	Architectural Coating	Architectural Coating	5/13/2024	1/17/2025	5	180	

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 40**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,937; Non-Residential Outdoor: 9,979; Striped Parking Area: 2,933 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Plate Compactors	1	8.00	8	0.43
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Summer

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

Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	25	8.00	9	0.56
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	7.00	80	0.38
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	1		64	0.46
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Aerial Lifts	4	8.00	63	0.31
Architectural Coating	Air Compressors	4	6.00	78	0.48
Architectural Coating	Cranes	1	8.00	231	0.29
Architectural Coating	Forklifts	1	8.00	89	0.20
Architectural Coating	Generator Sets	2	8.00	84	0.74
Architectural Coating	Rough Terrain Forklifts	1	8.00	100	0.40

1155 and 1185 Terra Bella AQ - 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**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	260.00	10.80	7.30	14.50	LD_Mix	HDT_Mix	HHDT
Building Construction	37	27.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	13	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.2103	13.1877	8.0401	0.0223		0.4853	0.4853		0.4473	0.4473		2,145.4634	2,145.4634	0.6863		2,162.6212
<b>Total</b>	<b>1.2103</b>	<b>13.1877</b>	<b>8.0401</b>	<b>0.0223</b>	<b>1.5908</b>	<b>0.4853</b>	<b>2.0761</b>	<b>0.1718</b>	<b>0.4473</b>	<b>0.6190</b>		<b>2,145.4634</b>	<b>2,145.4634</b>	<b>0.6863</b>		<b>2,162.6212</b>

1155 and 1185 Terra Bella AQ - 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 Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0216	0.0124	0.1912	5.7000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		58.3076	58.3076	1.4700e-003	1.3800e-003	58.7566
<b>Total</b>	<b>0.0216</b>	<b>0.0124</b>	<b>0.1912</b>	<b>5.7000e-004</b>	<b>0.0657</b>	<b>3.3000e-004</b>	<b>0.0660</b>	<b>0.0174</b>	<b>3.0000e-004</b>	<b>0.0177</b>		<b>58.3076</b>	<b>58.3076</b>	<b>1.4700e-003</b>	<b>1.3800e-003</b>	<b>58.7566</b>

**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					0.7158	0.0000	0.7158	0.0773	0.0000	0.0773			0.0000			0.0000
Off-Road	0.6320	8.6610	9.7706	0.0223		0.1756	0.1756		0.1636	0.1636	0.0000	2,145.4634	2,145.4634	0.6863		2,162.6212
<b>Total</b>	<b>0.6320</b>	<b>8.6610</b>	<b>9.7706</b>	<b>0.0223</b>	<b>0.7158</b>	<b>0.1756</b>	<b>0.8915</b>	<b>0.0773</b>	<b>0.1636</b>	<b>0.2408</b>	<b>0.0000</b>	<b>2,145.4634</b>	<b>2,145.4634</b>	<b>0.6863</b>		<b>2,162.6212</b>



1155 and 1185 Terra Bella AQ - 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 Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0216	0.0124	0.1912	5.7000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		58.3076	58.3076	1.4700e-003	1.3800e-003	58.7566
<b>Total</b>	<b>0.0216</b>	<b>0.0124</b>	<b>0.1912</b>	<b>5.7000e-004</b>	<b>0.0657</b>	<b>3.3000e-004</b>	<b>0.0660</b>	<b>0.0174</b>	<b>3.0000e-004</b>	<b>0.0177</b>		<b>58.3076</b>	<b>58.3076</b>	<b>1.4700e-003</b>	<b>1.3800e-003</b>	<b>58.7566</b>

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1615	0.0000	8.1615	3.5420	0.0000	3.5420			0.0000			0.0000
Off-Road	1.8950	20.3149	11.1465	0.0308		0.8062	0.8062		0.7425	0.7425		2,972.4641	2,972.4641	0.9538		2,996.3086
<b>Total</b>	<b>1.8950</b>	<b>20.3149</b>	<b>11.1465</b>	<b>0.0308</b>	<b>8.1615</b>	<b>0.8062</b>	<b>8.9677</b>	<b>3.5420</b>	<b>0.7425</b>	<b>4.2846</b>		<b>2,972.4641</b>	<b>2,972.4641</b>	<b>0.9538</b>		<b>2,996.3086</b>

1155 and 1185 Terra Bella AQ - 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 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0238	1.2930	0.3486	5.7700e-003	0.1649	0.0104	0.1753	0.0452	9.9200e-003	0.0551		629.1874	629.1874	0.0207	0.0997	659.4135
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	0.0271	0.0155	0.2391	7.1000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		72.8845	72.8845	1.8400e-003	1.7300e-003	73.4457
<b>Total</b>	<b>0.0508</b>	<b>1.3086</b>	<b>0.5877</b>	<b>6.4800e-003</b>	<b>0.2471</b>	<b>0.0108</b>	<b>0.2579</b>	<b>0.0670</b>	<b>0.0103</b>	<b>0.0773</b>		<b>702.0719</b>	<b>702.0719</b>	<b>0.0225</b>	<b>0.1014</b>	<b>732.8592</b>

**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					3.6727	0.0000	3.6727	1.5939	0.0000	1.5939			0.0000			0.0000
Off-Road	0.7714	10.9088	14.3012	0.0308		0.1896	0.1896		0.1775	0.1775	0.0000	2,972.4641	2,972.4641	0.9538		2,996.3086
<b>Total</b>	<b>0.7714</b>	<b>10.9088</b>	<b>14.3012</b>	<b>0.0308</b>	<b>3.6727</b>	<b>0.1896</b>	<b>3.8622</b>	<b>1.5939</b>	<b>0.1775</b>	<b>1.7714</b>	<b>0.0000</b>	<b>2,972.4641</b>	<b>2,972.4641</b>	<b>0.9538</b>		<b>2,996.3086</b>

1155 and 1185 Terra Bella AQ - 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 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0238	1.2930	0.3486	5.7700e-003	0.1649	0.0104	0.1753	0.0452	9.9200e-003	0.0551		629.1874	629.1874	0.0207	0.0997	659.4135
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	0.0271	0.0155	0.2391	7.1000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		72.8845	72.8845	1.8400e-003	1.7300e-003	73.4457
<b>Total</b>	<b>0.0508</b>	<b>1.3086</b>	<b>0.5877</b>	<b>6.4800e-003</b>	<b>0.2471</b>	<b>0.0108</b>	<b>0.2579</b>	<b>0.0670</b>	<b>0.0103</b>	<b>0.0773</b>		<b>702.0719</b>	<b>702.0719</b>	<b>0.0225</b>	<b>0.1014</b>	<b>732.8592</b>

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3622	27.3914	31.7511	0.0595		1.1462	1.1462		1.1220	1.1220		5,247.8785	5,247.8785	0.7998		5,267.8742
<b>Total</b>	<b>3.3622</b>	<b>27.3914</b>	<b>31.7511</b>	<b>0.0595</b>		<b>1.1462</b>	<b>1.1462</b>		<b>1.1220</b>	<b>1.1220</b>		<b>5,247.8785</b>	<b>5,247.8785</b>	<b>0.7998</b>		<b>5,267.8742</b>

1155 and 1185 Terra Bella AQ - 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 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0120	0.4718	0.1507	2.2300e-003	0.0745	2.8600e-003	0.0774	0.0215	2.7300e-003	0.0242		239.2071	239.2071	4.9000e-003	0.0354	249.8675
Worker	0.0730	0.0420	0.6454	1.9200e-003	0.2218	1.1000e-003	0.2229	0.0588	1.0100e-003	0.0598		196.7881	196.7881	4.9600e-003	4.6700e-003	198.3035
<b>Total</b>	<b>0.0850</b>	<b>0.5138</b>	<b>0.7961</b>	<b>4.1500e-003</b>	<b>0.2963</b>	<b>3.9600e-003</b>	<b>0.3003</b>	<b>0.0803</b>	<b>3.7400e-003</b>	<b>0.0840</b>		<b>435.9953</b>	<b>435.9953</b>	<b>9.8600e-003</b>	<b>0.0400</b>	<b>448.1709</b>

**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	0.8264	16.3993	27.2521	0.0595		0.2043	0.2043		0.2043	0.2043	0.0000	5,247.8785	5,247.8785	0.7998		5,267.8742
<b>Total</b>	<b>0.8264</b>	<b>16.3993</b>	<b>27.2521</b>	<b>0.0595</b>		<b>0.2043</b>	<b>0.2043</b>		<b>0.2043</b>	<b>0.2043</b>	<b>0.0000</b>	<b>5,247.8785</b>	<b>5,247.8785</b>	<b>0.7998</b>		<b>5,267.8742</b>

1155 and 1185 Terra Bella AQ - 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 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0120	0.4718	0.1507	2.2300e-003	0.0745	2.8600e-003	0.0774	0.0215	2.7300e-003	0.0242		239.2071	239.2071	4.9000e-003	0.0354	249.8675
Worker	0.0730	0.0420	0.6454	1.9200e-003	0.2218	1.1000e-003	0.2229	0.0588	1.0100e-003	0.0598		196.7881	196.7881	4.9600e-003	4.6700e-003	198.3035
<b>Total</b>	<b>0.0850</b>	<b>0.5138</b>	<b>0.7961</b>	<b>4.1500e-003</b>	<b>0.2963</b>	<b>3.9600e-003</b>	<b>0.3003</b>	<b>0.0803</b>	<b>3.7400e-003</b>	<b>0.0840</b>		<b>435.9953</b>	<b>435.9953</b>	<b>9.8600e-003</b>	<b>0.0400</b>	<b>448.1709</b>

**3.4 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	3.2541	26.3297	31.6925	0.0595		1.0529	1.0529		1.0309	1.0309		5,247.9450	5,247.9450	0.7931		5,267.7712
<b>Total</b>	<b>3.2541</b>	<b>26.3297</b>	<b>31.6925</b>	<b>0.0595</b>		<b>1.0529</b>	<b>1.0529</b>		<b>1.0309</b>	<b>1.0309</b>		<b>5,247.9450</b>	<b>5,247.9450</b>	<b>0.7931</b>		<b>5,267.7712</b>

1155 and 1185 Terra Bella AQ - 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 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	0.0116	0.4720	0.1475	2.1900e-003	0.0745	2.8800e-003	0.0774	0.0215	2.7600e-003	0.0242		235.4763	235.4763	4.8700e-003	0.0348	245.9704
Worker	0.0682	0.0375	0.6016	1.8600e-003	0.2218	1.0500e-003	0.2229	0.0588	9.6000e-004	0.0598		191.9055	191.9055	4.4900e-003	4.3500e-003	193.3146
<b>Total</b>	<b>0.0799</b>	<b>0.5095</b>	<b>0.7490</b>	<b>4.0500e-003</b>	<b>0.2963</b>	<b>3.9300e-003</b>	<b>0.3002</b>	<b>0.0803</b>	<b>3.7200e-003</b>	<b>0.0840</b>		<b>427.3819</b>	<b>427.3819</b>	<b>9.3600e-003</b>	<b>0.0392</b>	<b>439.2850</b>

**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	0.8264	16.3993	27.2521	0.0595		0.2043	0.2043		0.2043	0.2043	0.0000	5,247.9450	5,247.9450	0.7931		5,267.7712
<b>Total</b>	<b>0.8264</b>	<b>16.3993</b>	<b>27.2521</b>	<b>0.0595</b>		<b>0.2043</b>	<b>0.2043</b>		<b>0.2043</b>	<b>0.2043</b>	<b>0.0000</b>	<b>5,247.9450</b>	<b>5,247.9450</b>	<b>0.7931</b>		<b>5,267.7712</b>

1155 and 1185 Terra Bella AQ - 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 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	0.0116	0.4720	0.1475	2.1900e-003	0.0745	2.8800e-003	0.0774	0.0215	2.7600e-003	0.0242		235.4763	235.4763	4.8700e-003	0.0348	245.9704
Worker	0.0682	0.0375	0.6016	1.8600e-003	0.2218	1.0500e-003	0.2229	0.0588	9.6000e-004	0.0598		191.9055	191.9055	4.4900e-003	4.3500e-003	193.3146
<b>Total</b>	<b>0.0799</b>	<b>0.5095</b>	<b>0.7490</b>	<b>4.0500e-003</b>	<b>0.2963</b>	<b>3.9300e-003</b>	<b>0.3002</b>	<b>0.0803</b>	<b>3.7200e-003</b>	<b>0.0840</b>		<b>427.3819</b>	<b>427.3819</b>	<b>9.3600e-003</b>	<b>0.0392</b>	<b>439.2850</b>

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7287	6.5547	9.4065	0.0149		0.3080	0.3080		0.2864	0.2864		1,393.0881	1,393.0881	0.4213		1,403.6211
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7287</b>	<b>6.5547</b>	<b>9.4065</b>	<b>0.0149</b>		<b>0.3080</b>	<b>0.3080</b>		<b>0.2864</b>	<b>0.2864</b>		<b>1,393.0881</b>	<b>1,393.0881</b>	<b>0.4213</b>		<b>1,403.6211</b>

1155 and 1185 Terra Bella AQ - 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 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0505	0.0278	0.4456	1.3800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		142.1522	142.1522	3.3200e-003	3.2200e-003	143.1960
<b>Total</b>	<b>0.0505</b>	<b>0.0278</b>	<b>0.4456</b>	<b>1.3800e-003</b>	<b>0.1643</b>	<b>7.8000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.1000e-004</b>	<b>0.0443</b>		<b>142.1522</b>	<b>142.1522</b>	<b>3.3200e-003</b>	<b>3.2200e-003</b>	<b>143.1960</b>

**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	0.4237	5.1611	8.8175	0.0149		0.1421	0.1421		0.1314	0.1314	0.0000	1,393.0881	1,393.0881	0.4213		1,403.6211
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.4237</b>	<b>5.1611</b>	<b>8.8175</b>	<b>0.0149</b>		<b>0.1421</b>	<b>0.1421</b>		<b>0.1314</b>	<b>0.1314</b>	<b>0.0000</b>	<b>1,393.0881</b>	<b>1,393.0881</b>	<b>0.4213</b>		<b>1,403.6211</b>



1155 and 1185 Terra Bella AQ - 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 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0505	0.0278	0.4456	1.3800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		142.1522	142.1522	3.3200e-003	3.2200e-003	143.1960
<b>Total</b>	<b>0.0505</b>	<b>0.0278</b>	<b>0.4456</b>	<b>1.3800e-003</b>	<b>0.1643</b>	<b>7.8000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.1000e-004</b>	<b>0.0443</b>		<b>142.1522</b>	<b>142.1522</b>	<b>3.3200e-003</b>	<b>3.2200e-003</b>	<b>143.1960</b>

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.1034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9599	17.8075	24.1425	0.0425		0.7396	0.7396		0.7176	0.7176		4,062.9151	4,062.9151	0.6607		4,079.4337
<b>Total</b>	<b>3.0633</b>	<b>17.8075</b>	<b>24.1425</b>	<b>0.0425</b>		<b>0.7396</b>	<b>0.7396</b>		<b>0.7176</b>	<b>0.7176</b>		<b>4,062.9151</b>	<b>4,062.9151</b>	<b>0.6607</b>		<b>4,079.4337</b>

1155 and 1185 Terra Bella AQ - 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 Architectural Coating - 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	0.0126	6.9400e-003	0.1114	3.4000e-004	0.0411	1.9000e-004	0.0413	0.0109	1.8000e-004	0.0111		35.5381	35.5381	8.3000e-004	8.1000e-004	35.7990
<b>Total</b>	<b>0.0126</b>	<b>6.9400e-003</b>	<b>0.1114</b>	<b>3.4000e-004</b>	<b>0.0411</b>	<b>1.9000e-004</b>	<b>0.0413</b>	<b>0.0109</b>	<b>1.8000e-004</b>	<b>0.0111</b>		<b>35.5381</b>	<b>35.5381</b>	<b>8.3000e-004</b>	<b>8.1000e-004</b>	<b>35.7990</b>

**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	1.1034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8311	16.4124	27.3840	0.0425		0.2053	0.2053		0.2053	0.2053	0.0000	4,062.9151	4,062.9151	0.6607		4,079.4337
<b>Total</b>	<b>1.9345</b>	<b>16.4124</b>	<b>27.3840</b>	<b>0.0425</b>		<b>0.2053</b>	<b>0.2053</b>		<b>0.2053</b>	<b>0.2053</b>	<b>0.0000</b>	<b>4,062.9151</b>	<b>4,062.9151</b>	<b>0.6607</b>		<b>4,079.4337</b>

1155 and 1185 Terra Bella AQ - 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 Architectural Coating - 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	0.0126	6.9400e-003	0.1114	3.4000e-004	0.0411	1.9000e-004	0.0413	0.0109	1.8000e-004	0.0111		35.5381	35.5381	8.3000e-004	8.1000e-004	35.7990
<b>Total</b>	<b>0.0126</b>	<b>6.9400e-003</b>	<b>0.1114</b>	<b>3.4000e-004</b>	<b>0.0411</b>	<b>1.9000e-004</b>	<b>0.0413</b>	<b>0.0109</b>	<b>1.8000e-004</b>	<b>0.0111</b>		<b>35.5381</b>	<b>35.5381</b>	<b>8.3000e-004</b>	<b>8.1000e-004</b>	<b>35.7990</b>

**3.6 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	1.1034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.8490	16.7253	24.0754	0.0425		0.6470	0.6470		0.6269	0.6269		4,062.9153	4,062.9153	0.6544		4,079.2747
<b>Total</b>	<b>2.9524</b>	<b>16.7253</b>	<b>24.0754</b>	<b>0.0425</b>		<b>0.6470</b>	<b>0.6470</b>		<b>0.6269</b>	<b>0.6269</b>		<b>4,062.9153</b>	<b>4,062.9153</b>	<b>0.6544</b>		<b>4,079.2747</b>

1155 and 1185 Terra Bella AQ - 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 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	0.0119	6.2500e-003	0.1044	3.3000e-004	0.0411	1.9000e-004	0.0413	0.0109	1.7000e-004	0.0111		34.6844	34.6844	7.5000e-004	7.6000e-004	34.9284
<b>Total</b>	<b>0.0119</b>	<b>6.2500e-003</b>	<b>0.1044</b>	<b>3.3000e-004</b>	<b>0.0411</b>	<b>1.9000e-004</b>	<b>0.0413</b>	<b>0.0109</b>	<b>1.7000e-004</b>	<b>0.0111</b>		<b>34.6844</b>	<b>34.6844</b>	<b>7.5000e-004</b>	<b>7.6000e-004</b>	<b>34.9284</b>

**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	1.1034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8311	16.4124	27.3840	0.0425		0.2053	0.2053		0.2053	0.2053	0.0000	4,062.9153	4,062.9153	0.6544		4,079.2747
<b>Total</b>	<b>1.9345</b>	<b>16.4124</b>	<b>27.3840</b>	<b>0.0425</b>		<b>0.2053</b>	<b>0.2053</b>		<b>0.2053</b>	<b>0.2053</b>	<b>0.0000</b>	<b>4,062.9153</b>	<b>4,062.9153</b>	<b>0.6544</b>		<b>4,079.2747</b>

1155 and 1185 Terra Bella AQ - 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 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	0.0119	6.2500e-003	0.1044	3.3000e-004	0.0411	1.9000e-004	0.0413	0.0109	1.7000e-004	0.0111		34.6844	34.6844	7.5000e-004	7.6000e-004	34.9284
<b>Total</b>	<b>0.0119</b>	<b>6.2500e-003</b>	<b>0.1044</b>	<b>3.3000e-004</b>	<b>0.0411</b>	<b>1.9000e-004</b>	<b>0.0413</b>	<b>0.0109</b>	<b>1.7000e-004</b>	<b>0.0111</b>		<b>34.6844</b>	<b>34.6844</b>	<b>7.5000e-004</b>	<b>7.6000e-004</b>	<b>34.9284</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

1155 and 1185 Terra Bella AQ - 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	0.4820	0.4467	4.0437	8.9500e-003	0.9779	6.2800e-003	0.9842	0.2605	5.8500e-003	0.2663		933.2240	933.2240	0.0533	0.0399	946.4466
Unmitigated	0.4820	0.4467	4.0437	8.9500e-003	0.9779	6.2800e-003	0.9842	0.2605	5.8500e-003	0.2663		933.2240	933.2240	0.0533	0.0399	946.4466

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	194.41	44.11	13.97	351,681	351,681
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>194.41</b>	<b>44.11</b>	<b>13.97</b>	<b>351,681</b>	<b>351,681</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	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
General Office Building	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Other Non-Asphalt Surfaces	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Summer

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

Parking Lot	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Kilowatt Hours of Renewable Electricity Generated

Percent of Electricity Use Generated with Renewable 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

1155 and 1185 Terra Bella AQ - 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 s 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					
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>



1155 and 1185 Terra Bella AQ - 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					
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

1155 and 1185 Terra Bella AQ - 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	0.5081	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265
Unmitigated	0.5081	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265

**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	0.0626					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4444					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0700e-003	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265
<b>Total</b>	<b>0.5081</b>	<b>1.1000e-004</b>	<b>0.0116</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0249</b>	<b>0.0249</b>	<b>6.0000e-005</b>		<b>0.0265</b>

1155 and 1185 Terra Bella AQ - 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	0.0626					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4444					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0700e-003	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265
<b>Total</b>	<b>0.5081</b>	<b>1.1000e-004</b>	<b>0.0116</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0249</b>	<b>0.0249</b>	<b>6.0000e-005</b>		<b>0.0265</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

1155 and 1185 Terra Bella AQ - 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**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Winter

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

**1155 and 1185 Terra Bella AQ  
Bay Area AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	19.96	1000sqft	1.30	19,958.00	0
Other Non-Asphalt Surfaces	18.88	1000sqft	0.00	18,882.00	0
Parking Lot	75.00	Space	0.00	30,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	64
<b>Climate Zone</b>	4			<b>Operational Year</b>	2025
<b>Utility Company</b>	Silicon Valley Clean Energy				
<b>CO2 Intensity (lb/MW hr)</b>	2	<b>CH4 Intensity (lb/MW hr)</b>	0	<b>N2O Intensity (lb/MW hr)</b>	0

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - applicant provided info

Construction Phase - applicant provided sched

Off-road Equipment - applicant provided

Off-road Equipment - applicant provided

Off-road Equipment - client provided

Off-road Equipment - client provided

Off-road Equipment - client provided

Trips and VMT - grading haul tracks have 25 CY capacity, haul trip length of 14.5 miles to Dumbarton Quarry

Grading - applicant provided

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Winter

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

Architectural Coating - BAAQMD reg 6 rule 3

Vehicle Trips - daily rate consistent with TDM

Area Coating - BAAQMD reg 6 rule 3

Energy Use - All electric development pursuant with City of Mountain View Building Code

Water And Wastewater - water 100% aerobic, treated at wastewater treatment plant in Mountain View; 221,647 gal/year outdoor water usage

Land Use Change -

Construction Off-road Equipment Mitigation - equipment all rated Tier 4 per applicant project info; project would comply with BAAQMD construction BMPs

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - system will allow for 78 to 95 kW of PV

Water Mitigation - project plans/applicant provided; CalGreen water reduction

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Parking	150.00	100.00
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	25.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Winter

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

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
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tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstEquipMitigation	Tier	No Change	Tier 4 Interim
tblConstructionPhase	NumDays	2.00	10.00
tblConstructionPhase	NumDays	4.00	20.00
tblConstructionPhase	NumDays	200.00	280.00
tblConstructionPhase	NumDays	10.00	180.00
tblEnergyUse	NT24NG	0.06	0.00
tblEnergyUse	T24NG	16.14	0.00
tblGrading	MaterialExported	0.00	3,250.00
tblLandUse	LandUseSquareFeet	19,960.00	19,958.00
tblLandUse	LandUseSquareFeet	18,880.00	18,882.00
tblLandUse	LotAcreage	0.46	1.30

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Winter

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

tblLandUse	LotAcreage	0.43	0.00
tblLandUse	LotAcreage	0.68	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	14.50
tblTripsAndVMT	HaulingTripNumber	406.00	260.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	OutdoorWaterUseRate	2,174,314.41	221,647.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00

**2.0 Emissions Summary**

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1155 and 1185 Terra Bella AQ - 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					
2023	3.4487	27.9424	32.5251	0.0635	8.4085	1.1502	9.2256	3.6090	1.1258	4.3619	0.0000	5,670.267 2	5,670.267 2	0.9765	0.1018	5,702.691 8
2024	3.3356	26.8754	32.4232	0.0634	0.2963	1.0568	1.3531	0.0803	1.0346	1.1149	0.0000	5,662.097 6	5,662.097 6	0.8030	0.0399	5,694.063 1
2025	2.9647	16.7330	24.1760	0.0428	0.0411	0.6471	0.6882	0.0109	0.6271	0.6380	0.0000	4,095.150 9	4,095.150 9	0.6552	8.7000e- 004	4,111.790 9
<b>Maximum</b>	<b>3.4487</b>	<b>27.9424</b>	<b>32.5251</b>	<b>0.0635</b>	<b>8.4085</b>	<b>1.1502</b>	<b>9.2256</b>	<b>3.6090</b>	<b>1.1258</b>	<b>4.3619</b>	<b>0.0000</b>	<b>5,670.267 2</b>	<b>5,670.267 2</b>	<b>0.9765</b>	<b>0.1018</b>	<b>5,702.691 8</b>

**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					
2023	0.9128	16.9503	28.0261	0.0635	3.9197	0.2083	4.1201	1.6609	0.2081	1.8487	0.0000	5,670.267 2	5,670.267 2	0.9765	0.1018	5,702.691 8
2024	1.9475	16.9450	27.9829	0.0634	0.2963	0.2083	0.5046	0.0803	0.2081	0.2883	0.0000	5,662.097 6	5,662.097 6	0.8030	0.0399	5,694.063 1
2025	1.9467	16.4201	27.4846	0.0428	0.0411	0.2055	0.2466	0.0109	0.2055	0.2164	0.0000	4,095.150 9	4,095.150 9	0.6552	8.7000e- 004	4,111.790 9
<b>Maximum</b>	<b>1.9475</b>	<b>16.9503</b>	<b>28.0261</b>	<b>0.0635</b>	<b>3.9197</b>	<b>0.2083</b>	<b>4.1201</b>	<b>1.6609</b>	<b>0.2081</b>	<b>1.8487</b>	<b>0.0000</b>	<b>5,670.267 2</b>	<b>5,670.267 2</b>	<b>0.9765</b>	<b>0.1018</b>	<b>5,702.691 8</b>

## 1155 and 1185 Terra Bella AQ - 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
Percent Reduction	50.69	29.68	6.32	0.00	51.32	78.21	56.77	52.65	77.70	61.51	0.00	0.00	0.00	0.00	0.00	0.00

1155 and 1185 Terra Bella AQ - 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	0.5081	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.4335	0.5133	4.3332	8.4500e-003	0.9779	6.2900e-003	0.9842	0.2605	5.8600e-003	0.2663		881.3462	881.3462	0.0602	0.0437	895.8660
<b>Total</b>	<b>0.9416</b>	<b>0.5134</b>	<b>4.3448</b>	<b>8.4500e-003</b>	<b>0.9779</b>	<b>6.3300e-003</b>	<b>0.9842</b>	<b>0.2605</b>	<b>5.9000e-003</b>	<b>0.2664</b>		<b>881.3711</b>	<b>881.3711</b>	<b>0.0603</b>	<b>0.0437</b>	<b>895.8925</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5081	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.4335	0.5133	4.3332	8.4500e-003	0.9779	6.2900e-003	0.9842	0.2605	5.8600e-003	0.2663		881.3462	881.3462	0.0602	0.0437	895.8660
<b>Total</b>	<b>0.9416</b>	<b>0.5134</b>	<b>4.3448</b>	<b>8.4500e-003</b>	<b>0.9779</b>	<b>6.3300e-003</b>	<b>0.9842</b>	<b>0.2605</b>	<b>5.9000e-003</b>	<b>0.2664</b>		<b>881.3711</b>	<b>881.3711</b>	<b>0.0603</b>	<b>0.0437</b>	<b>895.8925</b>

1155 and 1185 Terra Bella AQ - 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
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/20/2023	3/3/2023	5	10	
2	Grading	Grading	3/6/2023	3/31/2023	5	20	
3	Building Construction	Building Construction	4/3/2023	4/26/2024	5	280	
4	Paving	Paving	4/29/2024	5/10/2024	5	10	
5	Architectural Coating	Architectural Coating	5/13/2024	1/17/2025	5	180	

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 40**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 29,937; Non-Residential Outdoor: 9,979; Striped Parking Area: 2,933 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Plate Compactors	1	8.00	8	0.43
Site Preparation	Rubber Tired Dozers	0	7.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Winter

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

Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Building Construction	Aerial Lifts	4	8.00	63	0.31
Building Construction	Air Compressors	1	8.00	78	0.48
Building Construction	Cement and Mortar Mixers	25	8.00	9	0.56
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Pumps	1	8.00	84	0.74
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Cement and Mortar Mixers	0	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Plate Compactors	1	8.00	8	0.43
Paving	Rollers	1	7.00	80	0.38
Paving	Signal Boards	2	8.00	6	0.82
Paving	Sweepers/Scrubbers	1		64	0.46
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Aerial Lifts	4	8.00	63	0.31
Architectural Coating	Air Compressors	4	6.00	78	0.48
Architectural Coating	Cranes	1	8.00	231	0.29
Architectural Coating	Forklifts	1	8.00	89	0.20
Architectural Coating	Generator Sets	2	8.00	84	0.74
Architectural Coating	Rough Terrain Forklifts	1	8.00	100	0.40

1155 and 1185 Terra Bella AQ - 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**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	260.00	10.80	7.30	14.50	LD_Mix	HDT_Mix	HHDT
Building Construction	37	27.00	11.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	13	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.2103	13.1877	8.0401	0.0223		0.4853	0.4853		0.4473	0.4473		2,145.4634	2,145.4634	0.6863		2,162.6212
<b>Total</b>	<b>1.2103</b>	<b>13.1877</b>	<b>8.0401</b>	<b>0.0223</b>	<b>1.5908</b>	<b>0.4853</b>	<b>2.0761</b>	<b>0.1718</b>	<b>0.4473</b>	<b>0.6190</b>		<b>2,145.4634</b>	<b>2,145.4634</b>	<b>0.6863</b>		<b>2,162.6212</b>

1155 and 1185 Terra Bella AQ - 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 Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0222	0.0153	0.1832	5.3000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		54.1746	54.1746	1.6700e-003	1.5900e-003	54.6909
<b>Total</b>	<b>0.0222</b>	<b>0.0153</b>	<b>0.1832</b>	<b>5.3000e-004</b>	<b>0.0657</b>	<b>3.3000e-004</b>	<b>0.0660</b>	<b>0.0174</b>	<b>3.0000e-004</b>	<b>0.0177</b>		<b>54.1746</b>	<b>54.1746</b>	<b>1.6700e-003</b>	<b>1.5900e-003</b>	<b>54.6909</b>

**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					0.7158	0.0000	0.7158	0.0773	0.0000	0.0773			0.0000			0.0000
Off-Road	0.6320	8.6610	9.7706	0.0223		0.1756	0.1756		0.1636	0.1636	0.0000	2,145.4634	2,145.4634	0.6863		2,162.6212
<b>Total</b>	<b>0.6320</b>	<b>8.6610</b>	<b>9.7706</b>	<b>0.0223</b>	<b>0.7158</b>	<b>0.1756</b>	<b>0.8915</b>	<b>0.0773</b>	<b>0.1636</b>	<b>0.2408</b>	<b>0.0000</b>	<b>2,145.4634</b>	<b>2,145.4634</b>	<b>0.6863</b>		<b>2,162.6212</b>

1155 and 1185 Terra Bella AQ - 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 Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0222	0.0153	0.1832	5.3000e-004	0.0657	3.3000e-004	0.0660	0.0174	3.0000e-004	0.0177		54.1746	54.1746	1.6700e-003	1.5900e-003	54.6909
<b>Total</b>	<b>0.0222</b>	<b>0.0153</b>	<b>0.1832</b>	<b>5.3000e-004</b>	<b>0.0657</b>	<b>3.3000e-004</b>	<b>0.0660</b>	<b>0.0174</b>	<b>3.0000e-004</b>	<b>0.0177</b>		<b>54.1746</b>	<b>54.1746</b>	<b>1.6700e-003</b>	<b>1.5900e-003</b>	<b>54.6909</b>

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.1615	0.0000	8.1615	3.5420	0.0000	3.5420			0.0000			0.0000
Off-Road	1.8950	20.3149	11.1465	0.0308		0.8062	0.8062		0.7425	0.7425		2,972.4641	2,972.4641	0.9538		2,996.3086
<b>Total</b>	<b>1.8950</b>	<b>20.3149</b>	<b>11.1465</b>	<b>0.0308</b>	<b>8.1615</b>	<b>0.8062</b>	<b>8.9677</b>	<b>3.5420</b>	<b>0.7425</b>	<b>4.2846</b>		<b>2,972.4641</b>	<b>2,972.4641</b>	<b>0.9538</b>		<b>2,996.3086</b>



1155 and 1185 Terra Bella AQ - 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 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0221	1.3686	0.3542	5.7800e-003	0.1649	0.0104	0.1753	0.0452	9.9400e-003	0.0552		629.9929	629.9929	0.0206	0.0998	660.2562
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	0.0277	0.0192	0.2290	6.6000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.7183	67.7183	2.0900e-003	1.9900e-003	68.3637
<b>Total</b>	<b>0.0498</b>	<b>1.3877</b>	<b>0.5832</b>	<b>6.4400e-003</b>	<b>0.2471</b>	<b>0.0108</b>	<b>0.2579</b>	<b>0.0670</b>	<b>0.0103</b>	<b>0.0773</b>		<b>697.7112</b>	<b>697.7112</b>	<b>0.0227</b>	<b>0.1018</b>	<b>728.6198</b>

**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					3.6727	0.0000	3.6727	1.5939	0.0000	1.5939			0.0000			0.0000
Off-Road	0.7714	10.9088	14.3012	0.0308		0.1896	0.1896		0.1775	0.1775	0.0000	2,972.4641	2,972.4641	0.9538		2,996.3086
<b>Total</b>	<b>0.7714</b>	<b>10.9088</b>	<b>14.3012</b>	<b>0.0308</b>	<b>3.6727</b>	<b>0.1896</b>	<b>3.8622</b>	<b>1.5939</b>	<b>0.1775</b>	<b>1.7714</b>	<b>0.0000</b>	<b>2,972.4641</b>	<b>2,972.4641</b>	<b>0.9538</b>		<b>2,996.3086</b>

1155 and 1185 Terra Bella AQ - 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 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0221	1.3686	0.3542	5.7800e-003	0.1649	0.0104	0.1753	0.0452	9.9400e-003	0.0552		629.9929	629.9929	0.0206	0.0998	660.2562
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	0.0277	0.0192	0.2290	6.6000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.7183	67.7183	2.0900e-003	1.9900e-003	68.3637
<b>Total</b>	<b>0.0498</b>	<b>1.3877</b>	<b>0.5832</b>	<b>6.4400e-003</b>	<b>0.2471</b>	<b>0.0108</b>	<b>0.2579</b>	<b>0.0670</b>	<b>0.0103</b>	<b>0.0773</b>		<b>697.7112</b>	<b>697.7112</b>	<b>0.0227</b>	<b>0.1018</b>	<b>728.6198</b>

**3.4 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.3622	27.3914	31.7511	0.0595		1.1462	1.1462		1.1220	1.1220		5,247.8785	5,247.8785	0.7998		5,267.8742
<b>Total</b>	<b>3.3622</b>	<b>27.3914</b>	<b>31.7511</b>	<b>0.0595</b>		<b>1.1462</b>	<b>1.1462</b>		<b>1.1220</b>	<b>1.1220</b>		<b>5,247.8785</b>	<b>5,247.8785</b>	<b>0.7998</b>		<b>5,267.8742</b>

1155 and 1185 Terra Bella AQ - 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 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0116	0.4993	0.1558	2.2300e-003	0.0745	2.8700e-003	0.0774	0.0215	2.7400e-003	0.0242		239.5493	239.5493	4.8600e-003	0.0355	250.2357
Worker	0.0749	0.0518	0.6182	1.7900e-003	0.2218	1.1000e-003	0.2229	0.0588	1.0100e-003	0.0598		182.8394	182.8394	5.6400e-003	5.3700e-003	184.5819
<b>Total</b>	<b>0.0865</b>	<b>0.5510</b>	<b>0.7740</b>	<b>4.0200e-003</b>	<b>0.2963</b>	<b>3.9700e-003</b>	<b>0.3003</b>	<b>0.0803</b>	<b>3.7500e-003</b>	<b>0.0840</b>		<b>422.3887</b>	<b>422.3887</b>	<b>0.0105</b>	<b>0.0408</b>	<b>434.8176</b>

**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	0.8264	16.3993	27.2521	0.0595		0.2043	0.2043		0.2043	0.2043	0.0000	5,247.8785	5,247.8785	0.7998		5,267.8742
<b>Total</b>	<b>0.8264</b>	<b>16.3993</b>	<b>27.2521</b>	<b>0.0595</b>		<b>0.2043</b>	<b>0.2043</b>		<b>0.2043</b>	<b>0.2043</b>	<b>0.0000</b>	<b>5,247.8785</b>	<b>5,247.8785</b>	<b>0.7998</b>		<b>5,267.8742</b>

1155 and 1185 Terra Bella AQ - 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 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0116	0.4993	0.1558	2.2300e-003	0.0745	2.8700e-003	0.0774	0.0215	2.7400e-003	0.0242		239.5493	239.5493	4.8600e-003	0.0355	250.2357
Worker	0.0749	0.0518	0.6182	1.7900e-003	0.2218	1.1000e-003	0.2229	0.0588	1.0100e-003	0.0598		182.8394	182.8394	5.6400e-003	5.3700e-003	184.5819
<b>Total</b>	<b>0.0865</b>	<b>0.5510</b>	<b>0.7740</b>	<b>4.0200e-003</b>	<b>0.2963</b>	<b>3.9700e-003</b>	<b>0.3003</b>	<b>0.0803</b>	<b>3.7500e-003</b>	<b>0.0840</b>		<b>422.3887</b>	<b>422.3887</b>	<b>0.0105</b>	<b>0.0408</b>	<b>434.8176</b>

**3.4 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	3.2541	26.3297	31.6925	0.0595		1.0529	1.0529		1.0309	1.0309		5,247.9450	5,247.9450	0.7931		5,267.7712
<b>Total</b>	<b>3.2541</b>	<b>26.3297</b>	<b>31.6925</b>	<b>0.0595</b>		<b>1.0529</b>	<b>1.0529</b>		<b>1.0309</b>	<b>1.0309</b>		<b>5,247.9450</b>	<b>5,247.9450</b>	<b>0.7931</b>		<b>5,267.7712</b>

1155 and 1185 Terra Bella AQ - 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 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	0.0112	0.4995	0.1526	2.2000e-003	0.0745	2.8900e-003	0.0774	0.0215	2.7700e-003	0.0242		235.8211	235.8211	4.8400e-003	0.0349	246.3402
Worker	0.0703	0.0462	0.5782	1.7300e-003	0.2218	1.0500e-003	0.2229	0.0588	9.6000e-004	0.0598		178.3316	178.3316	5.1200e-003	5.0100e-003	179.9516
<b>Total</b>	<b>0.0815</b>	<b>0.5457</b>	<b>0.7308</b>	<b>3.9300e-003</b>	<b>0.2963</b>	<b>3.9400e-003</b>	<b>0.3002</b>	<b>0.0803</b>	<b>3.7300e-003</b>	<b>0.0840</b>		<b>414.1526</b>	<b>414.1526</b>	<b>9.9600e-003</b>	<b>0.0399</b>	<b>426.2919</b>

**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	0.8264	16.3993	27.2521	0.0595		0.2043	0.2043		0.2043	0.2043	0.0000	5,247.9450	5,247.9450	0.7931		5,267.7712
<b>Total</b>	<b>0.8264</b>	<b>16.3993</b>	<b>27.2521</b>	<b>0.0595</b>		<b>0.2043</b>	<b>0.2043</b>		<b>0.2043</b>	<b>0.2043</b>	<b>0.0000</b>	<b>5,247.9450</b>	<b>5,247.9450</b>	<b>0.7931</b>		<b>5,267.7712</b>

1155 and 1185 Terra Bella AQ - 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 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	0.0112	0.4995	0.1526	2.2000e-003	0.0745	2.8900e-003	0.0774	0.0215	2.7700e-003	0.0242		235.8211	235.8211	4.8400e-003	0.0349	246.3402
Worker	0.0703	0.0462	0.5782	1.7300e-003	0.2218	1.0500e-003	0.2229	0.0588	9.6000e-004	0.0598		178.3316	178.3316	5.1200e-003	5.0100e-003	179.9516
<b>Total</b>	<b>0.0815</b>	<b>0.5457</b>	<b>0.7308</b>	<b>3.9300e-003</b>	<b>0.2963</b>	<b>3.9400e-003</b>	<b>0.3002</b>	<b>0.0803</b>	<b>3.7300e-003</b>	<b>0.0840</b>		<b>414.1526</b>	<b>414.1526</b>	<b>9.9600e-003</b>	<b>0.0399</b>	<b>426.2919</b>

**3.5 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7287	6.5547	9.4065	0.0149		0.3080	0.3080		0.2864	0.2864		1,393.0881	1,393.0881	0.4213		1,403.6211
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.7287</b>	<b>6.5547</b>	<b>9.4065</b>	<b>0.0149</b>		<b>0.3080</b>	<b>0.3080</b>		<b>0.2864</b>	<b>0.2864</b>		<b>1,393.0881</b>	<b>1,393.0881</b>	<b>0.4213</b>		<b>1,403.6211</b>

1155 and 1185 Terra Bella AQ - 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 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0520	0.0342	0.4283	1.2800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		132.0975	132.0975	3.7900e-003	3.7100e-003	133.2975
<b>Total</b>	<b>0.0520</b>	<b>0.0342</b>	<b>0.4283</b>	<b>1.2800e-003</b>	<b>0.1643</b>	<b>7.8000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.1000e-004</b>	<b>0.0443</b>		<b>132.0975</b>	<b>132.0975</b>	<b>3.7900e-003</b>	<b>3.7100e-003</b>	<b>133.2975</b>

**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	0.4237	5.1611	8.8175	0.0149		0.1421	0.1421		0.1314	0.1314	0.0000	1,393.0881	1,393.0881	0.4213		1,403.6211
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.4237</b>	<b>5.1611</b>	<b>8.8175</b>	<b>0.0149</b>		<b>0.1421</b>	<b>0.1421</b>		<b>0.1314</b>	<b>0.1314</b>	<b>0.0000</b>	<b>1,393.0881</b>	<b>1,393.0881</b>	<b>0.4213</b>		<b>1,403.6211</b>

1155 and 1185 Terra Bella AQ - 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 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0520	0.0342	0.4283	1.2800e-003	0.1643	7.8000e-004	0.1651	0.0436	7.1000e-004	0.0443		132.0975	132.0975	3.7900e-003	3.7100e-003	133.2975
<b>Total</b>	<b>0.0520</b>	<b>0.0342</b>	<b>0.4283</b>	<b>1.2800e-003</b>	<b>0.1643</b>	<b>7.8000e-004</b>	<b>0.1651</b>	<b>0.0436</b>	<b>7.1000e-004</b>	<b>0.0443</b>		<b>132.0975</b>	<b>132.0975</b>	<b>3.7900e-003</b>	<b>3.7100e-003</b>	<b>133.2975</b>

**3.6 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.1034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9599	17.8075	24.1425	0.0425		0.7396	0.7396		0.7176	0.7176		4,062.9151	4,062.9151	0.6607		4,079.4337
<b>Total</b>	<b>3.0633</b>	<b>17.8075</b>	<b>24.1425</b>	<b>0.0425</b>		<b>0.7396</b>	<b>0.7396</b>		<b>0.7176</b>	<b>0.7176</b>		<b>4,062.9151</b>	<b>4,062.9151</b>	<b>0.6607</b>		<b>4,079.4337</b>



1155 and 1185 Terra Bella AQ - 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 Architectural Coating - 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	0.0130	8.5600e-003	0.1071	3.2000e-004	0.0411	1.9000e-004	0.0413	0.0109	1.8000e-004	0.0111		33.0244	33.0244	9.5000e-004	9.3000e-004	33.3244
<b>Total</b>	<b>0.0130</b>	<b>8.5600e-003</b>	<b>0.1071</b>	<b>3.2000e-004</b>	<b>0.0411</b>	<b>1.9000e-004</b>	<b>0.0413</b>	<b>0.0109</b>	<b>1.8000e-004</b>	<b>0.0111</b>		<b>33.0244</b>	<b>33.0244</b>	<b>9.5000e-004</b>	<b>9.3000e-004</b>	<b>33.3244</b>

**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	1.1034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8311	16.4124	27.3840	0.0425		0.2053	0.2053		0.2053	0.2053	0.0000	4,062.9151	4,062.9151	0.6607		4,079.4337
<b>Total</b>	<b>1.9345</b>	<b>16.4124</b>	<b>27.3840</b>	<b>0.0425</b>		<b>0.2053</b>	<b>0.2053</b>		<b>0.2053</b>	<b>0.2053</b>	<b>0.0000</b>	<b>4,062.9151</b>	<b>4,062.9151</b>	<b>0.6607</b>		<b>4,079.4337</b>

1155 and 1185 Terra Bella AQ - 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 Architectural Coating - 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	0.0130	8.5600e-003	0.1071	3.2000e-004	0.0411	1.9000e-004	0.0413	0.0109	1.8000e-004	0.0111		33.0244	33.0244	9.5000e-004	9.3000e-004	33.3244
<b>Total</b>	<b>0.0130</b>	<b>8.5600e-003</b>	<b>0.1071</b>	<b>3.2000e-004</b>	<b>0.0411</b>	<b>1.9000e-004</b>	<b>0.0413</b>	<b>0.0109</b>	<b>1.8000e-004</b>	<b>0.0111</b>		<b>33.0244</b>	<b>33.0244</b>	<b>9.5000e-004</b>	<b>9.3000e-004</b>	<b>33.3244</b>

**3.6 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	1.1034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.8490	16.7253	24.0754	0.0425		0.6470	0.6470		0.6269	0.6269		4,062.9153	4,062.9153	0.6544		4,079.2747
<b>Total</b>	<b>2.9524</b>	<b>16.7253</b>	<b>24.0754</b>	<b>0.0425</b>		<b>0.6470</b>	<b>0.6470</b>		<b>0.6269</b>	<b>0.6269</b>		<b>4,062.9153</b>	<b>4,062.9153</b>	<b>0.6544</b>		<b>4,079.2747</b>

1155 and 1185 Terra Bella AQ - 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 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	0.0123	7.7100e-003	0.1006	3.1000e-004	0.0411	1.9000e-004	0.0413	0.0109	1.7000e-004	0.0111		32.2356	32.2356	8.6000e-004	8.7000e-004	32.5161
<b>Total</b>	<b>0.0123</b>	<b>7.7100e-003</b>	<b>0.1006</b>	<b>3.1000e-004</b>	<b>0.0411</b>	<b>1.9000e-004</b>	<b>0.0413</b>	<b>0.0109</b>	<b>1.7000e-004</b>	<b>0.0111</b>		<b>32.2356</b>	<b>32.2356</b>	<b>8.6000e-004</b>	<b>8.7000e-004</b>	<b>32.5161</b>

**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	1.1034					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.8311	16.4124	27.3840	0.0425		0.2053	0.2053		0.2053	0.2053	0.0000	4,062.9153	4,062.9153	0.6544		4,079.2747
<b>Total</b>	<b>1.9345</b>	<b>16.4124</b>	<b>27.3840</b>	<b>0.0425</b>		<b>0.2053</b>	<b>0.2053</b>		<b>0.2053</b>	<b>0.2053</b>	<b>0.0000</b>	<b>4,062.9153</b>	<b>4,062.9153</b>	<b>0.6544</b>		<b>4,079.2747</b>

1155 and 1185 Terra Bella AQ - 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 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	0.0123	7.7100e-003	0.1006	3.1000e-004	0.0411	1.9000e-004	0.0413	0.0109	1.7000e-004	0.0111		32.2356	32.2356	8.6000e-004	8.7000e-004	32.5161
<b>Total</b>	<b>0.0123</b>	<b>7.7100e-003</b>	<b>0.1006</b>	<b>3.1000e-004</b>	<b>0.0411</b>	<b>1.9000e-004</b>	<b>0.0413</b>	<b>0.0109</b>	<b>1.7000e-004</b>	<b>0.0111</b>		<b>32.2356</b>	<b>32.2356</b>	<b>8.6000e-004</b>	<b>8.7000e-004</b>	<b>32.5161</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

1155 and 1185 Terra Bella AQ - 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	0.4335	0.5133	4.3332	8.4500e-003	0.9779	6.2900e-003	0.9842	0.2605	5.8600e-003	0.2663		881.3462	881.3462	0.0602	0.0437	895.8660
Unmitigated	0.4335	0.5133	4.3332	8.4500e-003	0.9779	6.2900e-003	0.9842	0.2605	5.8600e-003	0.2663		881.3462	881.3462	0.0602	0.0437	895.8660

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	194.41	44.11	13.97	351,681	351,681
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>194.41</b>	<b>44.11</b>	<b>13.97</b>	<b>351,681</b>	<b>351,681</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Other Non-Asphalt Surfaces	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
General Office Building	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
Other Non-Asphalt Surfaces	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Winter

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

Parking Lot	0.553839	0.058700	0.188468	0.120786	0.022796	0.005663	0.010629	0.007566	0.000983	0.000556	0.026354	0.000841	0.002820
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

Exceed Title 24

Kilowatt Hours of Renewable Electricity Generated

Percent of Electricity Use Generated with Renewable 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

1155 and 1185 Terra Bella AQ - 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					
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

1155 and 1185 Terra Bella AQ - 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					
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



1155 and 1185 Terra Bella AQ - 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	0.5081	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265
Unmitigated	0.5081	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265

**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	0.0626					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4444					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0700e-003	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265
<b>Total</b>	<b>0.5081</b>	<b>1.1000e-004</b>	<b>0.0116</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0249</b>	<b>0.0249</b>	<b>6.0000e-005</b>		<b>0.0265</b>

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Winter

**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	0.0626					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4444					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0700e-003	1.1000e-004	0.0116	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0249	0.0249	6.0000e-005		0.0265
<b>Total</b>	<b>0.5081</b>	<b>1.1000e-004</b>	<b>0.0116</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>0.0249</b>	<b>0.0249</b>	<b>6.0000e-005</b>		<b>0.0265</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

1155 and 1185 Terra Bella AQ - Bay Area AQMD Air District, Winter

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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