

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**PROJ - 2020-00203 Bubble Camp****Mojave Desert AQMD Air District, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Motel	10.00	Room	0.24	10,840.00	0
General Office Building	3.54	1000sqft	0.08	3,536.00	0
Other Non-Asphalt Surfaces	84.59	1000sqft	1.94	84,593.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land use per site plan - motel picked as bubble camp site model to best determine worst-case emissions. Gen Office Bldg includes sf for office and garage.

Construction Phase -

Off-road Equipment - Removed Welders and crane from Bldg Construction default equipment and lowered forklifts from 3 to 1 due to this project not being a complete construction of 10 motel rooms and only construction on the office, garage, platforms, and minor facilities.

Off-road Equipment - Removed equipment associated with asphalt type paving, decreased rollers from 2 to 1 and added a grader as drives will be 85% compacted native soil or gravel per site plans.

Grading - Lowered default total acres graded to amounts indicated in site plan for structure, campsites, and driveways.

Water And Wastewater - Operational Water Use decreased to 0 as site is for camping and no irrigation of landscaping will be necessary.

Construction Off-road Equipment Mitigation -

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Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	25
tblGrading	AcresOfGrading	6.00	2.30
tblGrading	AcresOfGrading	4.50	2.30
tblLandUse	LandUseSquareFeet	19,602.00	10,840.00
tblLandUse	LotAcreage	0.45	0.24
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblWater	OutdoorWaterUseRate	385,624.90	0.00
tblWater	OutdoorWaterUseRate	28,185.30	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 Not Applied**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.8701	20.2387	11.0221	0.0251	6.5108	0.9162	7.4270	3.3759	0.8429	4.2188	0.0000	2,436.789 2	2,436.789 2	0.7695	0.0575	2,456.581 3
2022	39.4344	6.0397	7.9305	0.0167	0.4453	0.2865	0.7318	0.1206	0.2756	0.3962	0.0000	1,638.049 6	1,638.049 6	0.2848	0.0555	1,658.496 5
Maximum	39.4344	20.2387	11.0221	0.0251	6.5108	0.9162	7.4270	3.3759	0.8429	4.2188	0.0000	2,436.789 2	2,436.789 2	0.7695	0.0575	2,456.581 3

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					
2021	1.8701	20.2387	11.0221	0.0251	2.5893	0.9162	3.5055	1.3299	0.8429	2.1728	0.0000	2,436.789 2	2,436.789 2	0.7695	0.0575	2,456.581 3
2022	39.4344	6.0397	7.9305	0.0167	0.4453	0.2865	0.7318	0.1206	0.2756	0.3962	0.0000	1,638.049 6	1,638.049 6	0.2848	0.0555	1,658.496 5
Maximum	39.4344	20.2387	11.0221	0.0251	2.5893	0.9162	3.5055	1.3299	0.8429	2.1728	0.0000	2,436.789 2	2,436.789 2	0.7695	0.0575	2,456.581 3

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	56.37	0.00	48.06	58.52	0.00	44.33	0.00	0.00	0.00	0.00	0.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229
Energy	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0600e-003	3.8800e-003	212.9177
Mobile	0.2381	0.2717	1.7702	3.3700e-003	0.3080	3.1100e-003	0.3111	0.0821	2.9200e-003	0.0850		342.7797	342.7797	0.0207	0.0183	348.7422
Total	0.7035	0.4482	1.9284	4.4300e-003	0.3080	0.0166	0.3245	0.0821	0.0164	0.0985		554.4611	554.4611	0.0248	0.0222	561.6828

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	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229
Energy	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0600e-003	3.8800e-003	212.9177
Mobile	0.2381	0.2717	1.7702	3.3700e-003	0.3080	3.1100e-003	0.3111	0.0821	2.9200e-003	0.0850		342.7797	342.7797	0.0207	0.0183	348.7422
Total	0.7035	0.4482	1.9284	4.4300e-003	0.3080	0.0166	0.3245	0.0821	0.0164	0.0985		554.4611	554.4611	0.0248	0.0222	561.6828

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

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	10/9/2021	10/13/2021	5	3	
2	Grading	Grading	10/14/2021	10/21/2021	5	6	
3	Building Construction	Building Construction	10/22/2021	8/25/2022	5	220	
4	Paving	Paving	8/26/2022	9/8/2022	5	10	
5	Architectural Coating	Architectural Coating	9/9/2022	9/22/2022	5	10	

Acres of Grading (Site Preparation Phase): 2.3**Acres of Grading (Grading Phase): 2.3****Acres of Paving: 1.94****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 21,564; Non-Residential Outdoor: 7,188; Striped Parking Area: 5,076 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Graders	1	4.00	187	0.41
Building Construction	Forklifts	1	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41

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Paving	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	3	41.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Site Preparation - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8131	0.0000	0.8131	0.0878	0.0000	0.0878			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	0.8131	0.7019	1.5149	0.0878	0.6457	0.7335		2,372.883 2	2,372.883 2	0.7674		2,392.069 2

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	0.0344	0.0202	0.2725	6.3000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		63.9060	63.9060	2.0600e-003	1.8600e-003	64.5121
Total	0.0344	0.0202	0.2725	6.3000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		63.9060	63.9060	2.0600e-003	1.8600e-003	64.5121

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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	lb/day										lb/day					
Fugitive Dust					0.3171	0.0000	0.3171	0.0342	0.0000	0.0342			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	0.3171	0.7019	1.0190	0.0342	0.6457	0.6800	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2

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	0.0344	0.0202	0.2725	6.3000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		63.9060	63.9060	2.0600e-003	1.8600e-003	64.5121
Total	0.0344	0.0202	0.2725	6.3000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		63.9060	63.9060	2.0600e-003	1.8600e-003	64.5121

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4286	0.0000	6.4286	3.3541	0.0000	3.3541			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.611 4	1,995.611 4	0.6454		2,011.747 0
Total	1.8271	20.2135	9.7604	0.0206	6.4286	0.9158	7.3444	3.3541	0.8425	4.1966		1,995.611 4	1,995.611 4	0.6454		2,011.747 0

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	0.0430	0.0252	0.3406	7.9000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		79.8825	79.8825	2.5800e-003	2.3300e-003	80.6401
Total	0.0430	0.0252	0.3406	7.9000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		79.8825	79.8825	2.5800e-003	2.3300e-003	80.6401

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 2021****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5072	0.0000	2.5072	1.3081	0.0000	1.3081			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425	0.0000	1,995.611 4	1,995.611 4	0.6454		2,011.747 0
Total	1.8271	20.2135	9.7604	0.0206	2.5072	0.9158	3.4229	1.3081	0.8425	2.1506	0.0000	1,995.611 4	1,995.611 4	0.6454		2,011.747 0

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	0.0430	0.0252	0.3406	7.9000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		79.8825	79.8825	2.5800e-003	2.3300e-003	80.6401
Total	0.0430	0.0252	0.3406	7.9000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		79.8825	79.8825	2.5800e-003	2.3300e-003	80.6401

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2021****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	0.6110	5.6198	6.4018	0.0102		0.3248	0.3248		0.3122	0.3122		978.2366	978.2366	0.1467		981.9034
Total	0.6110	5.6198	6.4018	0.0102		0.3248	0.3248		0.3122	0.3122		978.2366	978.2366	0.1467		981.9034

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	0.0383	0.7678	0.3291	3.3200e-003	0.1085	0.0152	0.1238	0.0313	0.0146	0.0458		349.5150	349.5150	2.1700e-003	0.0479	363.8502
Worker	0.1764	0.1034	1.3966	3.2400e-003	0.3368	1.8100e-003	0.3386	0.0893	1.6700e-003	0.0910		327.5183	327.5183	0.0106	9.5400e-003	330.6245
Total	0.2147	0.8712	1.7257	6.5600e-003	0.4453	0.0171	0.4624	0.1206	0.0163	0.1369		677.0332	677.0332	0.0127	0.0575	694.4747

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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	lb/day										lb/day					
Off-Road	0.6110	5.6198	6.4018	0.0102		0.3248	0.3248		0.3122	0.3122	0.0000	978.2366	978.2366	0.1467		981.9034
Total	0.6110	5.6198	6.4018	0.0102		0.3248	0.3248		0.3122	0.3122	0.0000	978.2366	978.2366	0.1467		981.9034

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	0.0383	0.7678	0.3291	3.3200e-003	0.1085	0.0152	0.1238	0.0313	0.0146	0.0458		349.5150	349.5150	2.1700e-003	0.0479	363.8502
Worker	0.1764	0.1034	1.3966	3.2400e-003	0.3368	1.8100e-003	0.3386	0.0893	1.6700e-003	0.0910		327.5183	327.5183	0.0106	9.5400e-003	330.6245
Total	0.2147	0.8712	1.7257	6.5600e-003	0.4453	0.0171	0.4624	0.1206	0.0163	0.1369		677.0332	677.0332	0.0127	0.0575	694.4747

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5529	5.1080	6.3639	0.0103		0.2756	0.2756		0.2653	0.2653		978.4908	978.4908	0.1446		982.1048
Total	0.5529	5.1080	6.3639	0.0103		0.2756	0.2756		0.2653	0.2653		978.4908	978.4908	0.1446		982.1048

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	0.0302	0.6537	0.2972	3.2600e-003	0.1085	9.1300e-003	0.1177	0.0313	8.7400e-003	0.0400		342.3168	342.3168	1.7600e-003	0.0468	356.3053
Worker	0.1624	0.0907	1.2694	3.1400e-003	0.3368	1.6900e-003	0.3385	0.0893	1.5600e-003	0.0909		317.2420	317.2420	9.4700e-003	8.7500e-003	320.0864
Total	0.1925	0.7444	1.5665	6.4000e-003	0.4453	0.0108	0.4562	0.1206	0.0103	0.1309		659.5588	659.5588	0.0112	0.0555	676.3917

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5529	5.1080	6.3639	0.0103		0.2756	0.2756		0.2653	0.2653	0.0000	978.4908	978.4908	0.1446		982.1048
Total	0.5529	5.1080	6.3639	0.0103		0.2756	0.2756		0.2653	0.2653	0.0000	978.4908	978.4908	0.1446		982.1048

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	0.0302	0.6537	0.2972	3.2600e-003	0.1085	9.1300e-003	0.1177	0.0313	8.7400e-003	0.0400		342.3168	342.3168	1.7600e-003	0.0468	356.3053
Worker	0.1624	0.0907	1.2694	3.1400e-003	0.3368	1.6900e-003	0.3385	0.0893	1.5600e-003	0.0909		317.2420	317.2420	9.4700e-003	8.7500e-003	320.0864
Total	0.1925	0.7444	1.5665	6.4000e-003	0.4453	0.0108	0.4562	0.1206	0.0103	0.1309		659.5588	659.5588	0.0112	0.0555	676.3917

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Paving - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5378	6.0220	4.9564	9.0400e-003		0.2729	0.2729		0.2511	0.2511		874.9656	874.9656	0.2830		882.0401
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5378	6.0220	4.9564	9.0400e-003		0.2729	0.2729		0.2511	0.2511		874.9656	874.9656	0.2830		882.0401

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	0.0317	0.0177	0.2477	6.1000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		61.9009	61.9009	1.8500e-003	1.7100e-003	62.4559
Total	0.0317	0.0177	0.2477	6.1000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		61.9009	61.9009	1.8500e-003	1.7100e-003	62.4559

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Paving - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5378	6.0220	4.9564	9.0400e-003		0.2729	0.2729		0.2511	0.2511	0.0000	874.9656	874.9656	0.2830		882.0401
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5378	6.0220	4.9564	9.0400e-003		0.2729	0.2729		0.2511	0.2511	0.0000	874.9656	874.9656	0.2830		882.0401

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	0.0317	0.0177	0.2477	6.1000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		61.9009	61.9009	1.8500e-003	1.7100e-003	62.4559
Total	0.0317	0.0177	0.2477	6.1000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		61.9009	61.9009	1.8500e-003	1.7100e-003	62.4559

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.1982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	39.4027	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.0317	0.0177	0.2477	6.1000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		61.9009	61.9009	1.8500e-003	1.7100e-003	62.4559
Total	0.0317	0.0177	0.2477	6.1000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		61.9009	61.9009	1.8500e-003	1.7100e-003	62.4559

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.1982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	39.4027	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.0317	0.0177	0.2477	6.1000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		61.9009	61.9009	1.8500e-003	1.7100e-003	62.4559
Total	0.0317	0.0177	0.2477	6.1000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		61.9009	61.9009	1.8500e-003	1.7100e-003	62.4559

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2381	0.2717	1.7702	3.3700e-003	0.3080	3.1100e-003	0.3111	0.0821	2.9200e-003	0.0850		342.7797	342.7797	0.0207	0.0183	348.7422
Unmitigated	0.2381	0.2717	1.7702	3.3700e-003	0.3080	3.1100e-003	0.3111	0.0821	2.9200e-003	0.0850		342.7797	342.7797	0.0207	0.0183	348.7422

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	34.44	7.81	2.48	62,302	62,302
Motel	33.50	33.50	33.50	63,575	63,575
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	67.94	41.31	35.98	125,877	125,877

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
Motel	9.50	7.30	7.30	19.00	62.00	19.00	58	38	4
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.522706	0.056540	0.174672	0.143027	0.031214	0.007930	0.006101	0.021782	0.000496	0.000161	0.028412	0.000923	0.006036
Motel	0.522706	0.056540	0.174672	0.143027	0.031214	0.007930	0.006101	0.021782	0.000496	0.000161	0.028412	0.000923	0.006036
Other Non-Asphalt Surfaces	0.522706	0.056540	0.174672	0.143027	0.031214	0.007930	0.006101	0.021782	0.000496	0.000161	0.028412	0.000923	0.006036

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0600e-003	3.8800e-003	212.9177
NaturalGas Unmitigated	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0600e-003	3.8800e-003	212.9177

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	33.2287	3.6000e-004	3.2600e-003	2.7400e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.9093	3.9093	7.0000e-005	7.0000e-005	3.9325
Motel	1765.88	0.0190	0.1731	0.1454	1.0400e-003		0.0132	0.0132		0.0132	0.0132		207.7507	207.7507	3.9800e-003	3.8100e-003	208.9852
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
Total		0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0500e-003	3.8800e-003	212.9177

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0332287	3.6000e-004	3.2600e-003	2.7400e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.9093	3.9093	7.0000e-005	7.0000e-005	3.9325
Motel	1.76588	0.0190	0.1731	0.1454	1.0400e-003		0.0132	0.0132		0.0132	0.0132		207.7507	207.7507	3.9800e-003	3.8100e-003	208.9852
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
Total		0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0500e-003	3.8800e-003	212.9177

6.0 Area Detail**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229
Unmitigated	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229

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	0.1074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3000e-004	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229
Total	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3000e-004	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229
Total	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229

7.0 Water Detail**7.1 Mitigation Measures Water**

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**PROJ - 2020-00203 Bubble Camp****Mojave Desert AQMD Air District, Winter****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Motel	10.00	Room	0.24	10,840.00	0
General Office Building	3.54	1000sqft	0.08	3,536.00	0
Other Non-Asphalt Surfaces	84.59	1000sqft	1.94	84,593.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10	Operational Year	2022		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land use per site plan - motel picked as bubble camp site model to best determine worst-case emissions. Gen Office Bldg includes sf for office and garage.

Construction Phase -

Off-road Equipment - Removed Welders and crane from Bldg Construction default equipment and lowered forklifts from 3 to 1 due to this project not being a complete construction of 10 motel rooms and only construction on the office, garage, platforms, and minor facilities.

Off-road Equipment - Removed equipment associated with asphalt type paving, decreased rollers from 2 to 1 and added a grader as drives will be 85% compacted native soil or gravel per site plans.

Grading - Lowered default total acres graded to amounts indicated in site plan for structure, campsites, and driveways.

Water And Wastewater - Operational Water Use decreased to 0 as site is for camping and no irrigation of landscaping will be necessary.

Construction Off-road Equipment Mitigation -

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	25
tblGrading	AcresOfGrading	6.00	2.30
tblGrading	AcresOfGrading	4.50	2.30
tblLandUse	LandUseSquareFeet	19,602.00	10,840.00
tblLandUse	LotAcreage	0.45	0.24
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblWater	OutdoorWaterUseRate	385,624.90	0.00
tblWater	OutdoorWaterUseRate	28,185.30	0.00

2.0 Emissions Summary

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	1.8657	20.2395	10.9660	0.0251	6.5108	0.9162	7.4270	3.3759	0.8429	4.2188	0.0000	2,429.622 4	2,429.622 4	0.7695	0.0578	2,449.424 6
2022	39.4313	6.0402	7.6840	0.0163	0.4453	0.2865	0.7318	0.1206	0.2757	0.3963	0.0000	1,603.136 4	1,603.136 4	0.2849	0.0558	1,623.674 0
Maximum	39.4313	20.2395	10.9660	0.0251	6.5108	0.9162	7.4270	3.3759	0.8429	4.2188	0.0000	2,429.622 4	2,429.622 4	0.7695	0.0578	2,449.424 6

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					
2021	1.8657	20.2395	10.9660	0.0251	2.5893	0.9162	3.5055	1.3299	0.8429	2.1728	0.0000	2,429.622 4	2,429.622 4	0.7695	0.0578	2,449.424 6
2022	39.4313	6.0402	7.6840	0.0163	0.4453	0.2865	0.7318	0.1206	0.2757	0.3963	0.0000	1,603.136 4	1,603.136 4	0.2849	0.0558	1,623.674 0
Maximum	39.4313	20.2395	10.9660	0.0251	2.5893	0.9162	3.5055	1.3299	0.8429	2.1728	0.0000	2,429.622 4	2,429.622 4	0.7695	0.0578	2,449.424 6

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	56.37	0.00	48.06	58.52	0.00	44.33	0.00	0.00	0.00	0.00	0.00	0.00

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229
Energy	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0600e-003	3.8800e-003	212.9177
Mobile	0.1929	0.2871	1.5659	3.0900e-003	0.3080	3.1100e-003	0.3111	0.0821	2.9200e-003	0.0850		314.1724	314.1724	0.0215	0.0187	320.2683
Total	0.6583	0.4635	1.7241	4.1500e-003	0.3080	0.0166	0.3245	0.0821	0.0164	0.0985		525.8538	525.8538	0.0257	0.0225	533.2089

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	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229
Energy	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0600e-003	3.8800e-003	212.9177
Mobile	0.1929	0.2871	1.5659	3.0900e-003	0.3080	3.1100e-003	0.3111	0.0821	2.9200e-003	0.0850		314.1724	314.1724	0.0215	0.0187	320.2683
Total	0.6583	0.4635	1.7241	4.1500e-003	0.3080	0.0166	0.3245	0.0821	0.0164	0.0985		525.8538	525.8538	0.0257	0.0225	533.2089

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

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

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

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	10/9/2021	10/13/2021	5	3	
2	Grading	Grading	10/14/2021	10/21/2021	5	6	
3	Building Construction	Building Construction	10/22/2021	8/25/2022	5	220	
4	Paving	Paving	8/26/2022	9/8/2022	5	10	
5	Architectural Coating	Architectural Coating	9/9/2022	9/22/2022	5	10	

Acres of Grading (Site Preparation Phase): 2.3**Acres of Grading (Grading Phase): 2.3****Acres of Paving: 1.94****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 21,564; Non-Residential Outdoor: 7,188; Striped Parking Area: 5,076 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Graders	1	4.00	187	0.41
Building Construction	Forklifts	1	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

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

Paving	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	3	41.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Site Preparation - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.8131	0.0000	0.8131	0.0878	0.0000	0.0878			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	0.8131	0.7019	1.5149	0.0878	0.6457	0.7335		2,372.883 2	2,372.883 2	0.7674		2,392.069 2

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0309	0.0208	0.2164	5.6000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		56.7392	56.7392	2.0900e-003	1.8900e-003	57.3554
Total	0.0309	0.0208	0.2164	5.6000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		56.7392	56.7392	2.0900e-003	1.8900e-003	57.3554

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Site Preparation - 2021****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					0.3171	0.0000	0.3171	0.0342	0.0000	0.0342			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	0.3171	0.7019	1.0190	0.0342	0.6457	0.6800	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0309	0.0208	0.2164	5.6000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		56.7392	56.7392	2.0900e-003	1.8900e-003	57.3554
Total	0.0309	0.0208	0.2164	5.6000e-004	0.0657	3.5000e-004	0.0661	0.0174	3.3000e-004	0.0178		56.7392	56.7392	2.0900e-003	1.8900e-003	57.3554

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 2021****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4286	0.0000	6.4286	3.3541	0.0000	3.3541			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.611 4	1,995.611 4	0.6454		2,011.747 0
Total	1.8271	20.2135	9.7604	0.0206	6.4286	0.9158	7.3444	3.3541	0.8425	4.1966		1,995.611 4	1,995.611 4	0.6454		2,011.747 0

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	0.0386	0.0259	0.2706	7.0000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		70.9240	70.9240	2.6100e-003	2.3700e-003	71.6943
Total	0.0386	0.0259	0.2706	7.0000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		70.9240	70.9240	2.6100e-003	2.3700e-003	71.6943

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 2021****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5072	0.0000	2.5072	1.3081	0.0000	1.3081			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425	0.0000	1,995.611 4	1,995.611 4	0.6454		2,011.747 0
Total	1.8271	20.2135	9.7604	0.0206	2.5072	0.9158	3.4229	1.3081	0.8425	2.1506	0.0000	1,995.611 4	1,995.611 4	0.6454		2,011.747 0

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	0.0386	0.0259	0.2706	7.0000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		70.9240	70.9240	2.6100e-003	2.3700e-003	71.6943
Total	0.0386	0.0259	0.2706	7.0000e-004	0.0822	4.4000e-004	0.0826	0.0218	4.1000e-004	0.0222		70.9240	70.9240	2.6100e-003	2.3700e-003	71.6943

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2021****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	0.6110	5.6198	6.4018	0.0102		0.3248	0.3248		0.3122	0.3122		978.2366	978.2366	0.1467		981.9034
Total	0.6110	5.6198	6.4018	0.0102		0.3248	0.3248		0.3122	0.3122		978.2366	978.2366	0.1467		981.9034

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	0.0370	0.8098	0.3405	3.3300e-003	0.1085	0.0153	0.1238	0.0313	0.0146	0.0459		349.9358	349.9358	2.1100e-003	0.0481	364.3101
Worker	0.1584	0.1063	1.1093	2.8800e-003	0.3368	1.8100e-003	0.3386	0.0893	1.6700e-003	0.0910		290.7885	290.7885	0.0107	9.7000e-003	293.9465
Total	0.1954	0.9162	1.4497	6.2100e-003	0.4453	0.0171	0.4624	0.1206	0.0163	0.1369		640.7243	640.7243	0.0128	0.0578	658.2565

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2021****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	0.6110	5.6198	6.4018	0.0102		0.3248	0.3248		0.3122	0.3122	0.0000	978.2366	978.2366	0.1467		981.9034
Total	0.6110	5.6198	6.4018	0.0102		0.3248	0.3248		0.3122	0.3122	0.0000	978.2366	978.2366	0.1467		981.9034

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	0.0370	0.8098	0.3405	3.3300e-003	0.1085	0.0153	0.1238	0.0313	0.0146	0.0459		349.9358	349.9358	2.1100e-003	0.0481	364.3101
Worker	0.1584	0.1063	1.1093	2.8800e-003	0.3368	1.8100e-003	0.3386	0.0893	1.6700e-003	0.0910		290.7885	290.7885	0.0107	9.7000e-003	293.9465
Total	0.1954	0.9162	1.4497	6.2100e-003	0.4453	0.0171	0.4624	0.1206	0.0163	0.1369		640.7243	640.7243	0.0128	0.0578	658.2565

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5529	5.1080	6.3639	0.0103		0.2756	0.2756		0.2653	0.2653		978.4908	978.4908	0.1446		982.1048
Total	0.5529	5.1080	6.3639	0.0103		0.2756	0.2756		0.2653	0.2653		978.4908	978.4908	0.1446		982.1048

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	0.0288	0.6913	0.3083	3.2600e-003	0.1085	9.1600e-003	0.1177	0.0313	8.7600e-003	0.0400		342.8701	342.8701	1.6900e-003	0.0469	356.9012
Worker	0.1461	0.0933	1.0117	2.7900e-003	0.3368	1.6900e-003	0.3385	0.0893	1.5600e-003	0.0909		281.7756	281.7756	9.6200e-003	8.9000e-003	284.6680
Total	0.1749	0.7846	1.3201	6.0500e-003	0.4453	0.0109	0.4562	0.1206	0.0103	0.1309		624.6457	624.6457	0.0113	0.0558	641.5692

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5529	5.1080	6.3639	0.0103		0.2756	0.2756		0.2653	0.2653	0.0000	978.4908	978.4908	0.1446		982.1048
Total	0.5529	5.1080	6.3639	0.0103		0.2756	0.2756		0.2653	0.2653	0.0000	978.4908	978.4908	0.1446		982.1048

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	0.0288	0.6913	0.3083	3.2600e-003	0.1085	9.1600e-003	0.1177	0.0313	8.7600e-003	0.0400		342.8701	342.8701	1.6900e-003	0.0469	356.9012
Worker	0.1461	0.0933	1.0117	2.7900e-003	0.3368	1.6900e-003	0.3385	0.0893	1.5600e-003	0.0909		281.7756	281.7756	9.6200e-003	8.9000e-003	284.6680
Total	0.1749	0.7846	1.3201	6.0500e-003	0.4453	0.0109	0.4562	0.1206	0.0103	0.1309		624.6457	624.6457	0.0113	0.0558	641.5692

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Paving - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5378	6.0220	4.9564	9.0400e-003		0.2729	0.2729		0.2511	0.2511		874.9656	874.9656	0.2830		882.0401
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5378	6.0220	4.9564	9.0400e-003		0.2729	0.2729		0.2511	0.2511		874.9656	874.9656	0.2830		882.0401

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	0.0285	0.0182	0.1974	5.4000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		54.9806	54.9806	1.8800e-003	1.7400e-003	55.5450
Total	0.0285	0.0182	0.1974	5.4000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		54.9806	54.9806	1.8800e-003	1.7400e-003	55.5450

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Paving - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5378	6.0220	4.9564	9.0400e-003		0.2729	0.2729		0.2511	0.2511	0.0000	874.9656	874.9656	0.2830		882.0401
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5378	6.0220	4.9564	9.0400e-003		0.2729	0.2729		0.2511	0.2511	0.0000	874.9656	874.9656	0.2830		882.0401

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	0.0285	0.0182	0.1974	5.4000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		54.9806	54.9806	1.8800e-003	1.7400e-003	55.5450
Total	0.0285	0.0182	0.1974	5.4000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		54.9806	54.9806	1.8800e-003	1.7400e-003	55.5450

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.1982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	39.4027	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.0285	0.0182	0.1974	5.4000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		54.9806	54.9806	1.8800e-003	1.7400e-003	55.5450
Total	0.0285	0.0182	0.1974	5.4000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		54.9806	54.9806	1.8800e-003	1.7400e-003	55.5450

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.1982					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	39.4027	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.0285	0.0182	0.1974	5.4000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		54.9806	54.9806	1.8800e-003	1.7400e-003	55.5450
Total	0.0285	0.0182	0.1974	5.4000e-004	0.0657	3.3000e-004	0.0661	0.0174	3.0000e-004	0.0177		54.9806	54.9806	1.8800e-003	1.7400e-003	55.5450

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.0 Operational Detail - Mobile****4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1929	0.2871	1.5659	3.0900e-003	0.3080	3.1100e-003	0.3111	0.0821	2.9200e-003	0.0850		314.1724	314.1724	0.0215	0.0187	320.2683
Unmitigated	0.1929	0.2871	1.5659	3.0900e-003	0.3080	3.1100e-003	0.3111	0.0821	2.9200e-003	0.0850		314.1724	314.1724	0.0215	0.0187	320.2683

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	34.44	7.81	2.48	62,302	62,302
Motel	33.50	33.50	33.50	63,575	63,575
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	67.94	41.31	35.98	125,877	125,877

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
Motel	9.50	7.30	7.30	19.00	62.00	19.00	58	38	4
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.522706	0.056540	0.174672	0.143027	0.031214	0.007930	0.006101	0.021782	0.000496	0.000161	0.028412	0.000923	0.006036
Motel	0.522706	0.056540	0.174672	0.143027	0.031214	0.007930	0.006101	0.021782	0.000496	0.000161	0.028412	0.000923	0.006036
Other Non-Asphalt Surfaces	0.522706	0.056540	0.174672	0.143027	0.031214	0.007930	0.006101	0.021782	0.000496	0.000161	0.028412	0.000923	0.006036

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0600e-003	3.8800e-003	212.9177
NaturalGas Unmitigated	0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0600e-003	3.8800e-003	212.9177

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	33.2287	3.6000e-004	3.2600e-003	2.7400e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.9093	3.9093	7.0000e-005	7.0000e-005	3.9325
Motel	1765.88	0.0190	0.1731	0.1454	1.0400e-003		0.0132	0.0132		0.0132	0.0132		207.7507	207.7507	3.9800e-003	3.8100e-003	208.9852
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
Total		0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0500e-003	3.8800e-003	212.9177

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0332287	3.6000e-004	3.2600e-003	2.7400e-003	2.0000e-005		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004		3.9093	3.9093	7.0000e-005	7.0000e-005	3.9325
Motel	1.76588	0.0190	0.1731	0.1454	1.0400e-003		0.0132	0.0132		0.0132	0.0132		207.7507	207.7507	3.9800e-003	3.8100e-003	208.9852
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
Total		0.0194	0.1764	0.1482	1.0600e-003		0.0134	0.0134		0.0134	0.0134		211.6599	211.6599	4.0500e-003	3.8800e-003	212.9177

6.0 Area Detail**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229
Unmitigated	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229

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	0.1074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3000e-004	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229
Total	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3376					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.3000e-004	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229
Total	0.4459	9.0000e-005	0.0100	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0215	0.0215	6.0000e-005		0.0229

7.0 Water Detail**7.1 Mitigation Measures Water**

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

PROJ - 2020-00203 Bubble Camp - Mojave Desert AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**PROJ - 2020-00203 Bubble Camp**

Mojave Desert AQMD Air District, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Motel	10.00	Room	0.24	10,840.00	0
General Office Building	3.54	1000sqft	0.08	3,536.00	0
Other Non-Asphalt Surfaces	84.59	1000sqft	1.94	84,593.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	30
Climate Zone	10			Operational Year	2022
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Land use per site plan - motel picked as bubble camp site model to best determine worst-case emissions. Gen Office Bldg includes sf for office and garage.

Construction Phase -

Off-road Equipment - Removed Welders and crane from Bldg Construction default equipment and lowered forklifts from 3 to 1 due to this project not being a complete construction of 10 motel rooms and only construction on the office, garage, platforms, and minor facilities.

Off-road Equipment - Removed equipment associated with asphalt type paving, decreased rollers from 2 to 1 and added a grader as drives will be 85% compacted native soil or gravel per site plans.

Grading - Lowered default total acres graded to amounts indicated in site plan for structure, campsites, and driveways.

Water And Wastewater - Operational Water Use decreased to 0 as site is for camping and no irrigation of landscaping will be necessary.

Construction Off-road Equipment Mitigation -

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

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	25
tblGrading	AcresOfGrading	6.00	2.30
tblGrading	AcresOfGrading	4.50	2.30
tblLandUse	LandUseSquareFeet	19,602.00	10,840.00
tblLandUse	LotAcreage	0.45	0.24
tblOffRoadEquipment	LoadFactor	0.41	0.41
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblWater	OutdoorWaterUseRate	385,624.90	0.00
tblWater	OutdoorWaterUseRate	28,185.30	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 Not Applied**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0283	0.2551	0.2487	5.2000e-004	0.0320	0.0125	0.0445	0.0133	0.0119	0.0252	0.0000	46.5751	46.5751	6.5100e-003	1.3600e-003	47.1416
2022	0.2607	0.5357	0.6910	1.4500e-003	0.0376	0.0260	0.0636	0.0102	0.0250	0.0352	0.0000	129.2365	129.2365	0.0134	4.3200e-003	130.8590
Maximum	0.2607	0.5357	0.6910	1.4500e-003	0.0376	0.0260	0.0636	0.0133	0.0250	0.0352	0.0000	129.2365	129.2365	0.0134	4.3200e-003	130.8590

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					
2021	0.0283	0.2551	0.2487	5.2000e-004	0.0195	0.0125	0.0320	7.0900e-003	0.0119	0.0190	0.0000	46.5751	46.5751	6.5100e-003	1.3600e-003	47.1416
2022	0.2607	0.5357	0.6910	1.4500e-003	0.0376	0.0260	0.0636	0.0102	0.0250	0.0352	0.0000	129.2364	129.2364	0.0134	4.3200e-003	130.8589
Maximum	0.2607	0.5357	0.6910	1.4500e-003	0.0376	0.0260	0.0636	0.0102	0.0250	0.0352	0.0000	129.2364	129.2364	0.0134	4.3200e-003	130.8589

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	17.96	0.00	11.57	26.46	0.00	10.31	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	9-13-2021	12-12-2021	0.2350	0.2350
2	12-13-2021	3-12-2022	0.2177	0.2177
3	3-13-2022	6-12-2022	0.2169	0.2169
4	6-13-2022	9-12-2022	0.2658	0.2658
5	9-13-2022	9-30-2022	0.1459	0.1459
		Highest	0.2658	0.2658

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	0.0813	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7500e-003	1.7500e-003	0.0000	0.0000	1.8700e-003
Energy	3.5400e-003	0.0322	0.0270	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	74.3520	74.3520	3.9900e-003	1.0400e-003	74.7630
Mobile	0.0302	0.0463	0.2616	4.9000e-004	0.0475	4.9000e-004	0.0480	0.0127	4.6000e-004	0.0131	0.0000	45.6597	45.6597	3.1600e-003	2.7200e-003	46.5489
Waste						0.0000	0.0000		0.0000	0.0000	1.7782	0.0000	1.7782	0.1051	0.0000	4.4054
Water						0.0000	0.0000		0.0000	0.0000	0.2801	2.0387	2.3188	0.0289	7.0000e-004	3.2509
Total	0.1151	0.0785	0.2896	6.8000e-004	0.0475	2.9400e-003	0.0505	0.0127	2.9100e-003	0.0156	2.0583	122.0521	124.1104	0.1412	4.4600e-003	128.9701

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**2.2 Overall Operational****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	0.0813	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7500e-003	1.7500e-003	0.0000	0.0000	1.8700e-003
Energy	3.5400e-003	0.0322	0.0270	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	74.3520	74.3520	3.9900e-003	1.0400e-003	74.7630
Mobile	0.0302	0.0463	0.2616	4.9000e-004	0.0475	4.9000e-004	0.0480	0.0127	4.6000e-004	0.0131	0.0000	45.6597	45.6597	3.1600e-003	2.7200e-003	46.5489
Waste						0.0000	0.0000		0.0000	0.0000	1.7782	0.0000	1.7782	0.1051	0.0000	4.4054
Water						0.0000	0.0000		0.0000	0.0000	0.2801	2.0387	2.3188	0.0289	7.0000e-004	3.2509
Total	0.1151	0.0785	0.2896	6.8000e-004	0.0475	2.9400e-003	0.0505	0.0127	2.9100e-003	0.0156	2.0583	122.0521	124.1104	0.1412	4.4600e-003	128.9701

	ROG	NOx	CO	SO2	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	10/9/2021	10/13/2021	5	3	
2	Grading	Grading	10/14/2021	10/21/2021	5	6	
3	Building Construction	Building Construction	10/22/2021	8/25/2022	5	220	

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

4	Paving	Paving	8/26/2022	9/8/2022	5	10
5	Architectural Coating	Architectural Coating	9/9/2022	9/22/2022	5	10

Acres of Grading (Site Preparation Phase): 2.3**Acres of Grading (Grading Phase): 2.3****Acres of Paving: 1.94****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 21,564; Non-Residential Outdoor: 7,188; Striped Parking Area: 5,076 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Graders	1	4.00	187	0.41
Building Construction	Forklifts	1	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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

Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	3	41.00	16.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2021**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					1.2200e-003	0.0000	1.2200e-003	1.3000e-004	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3200e-003	0.0274	0.0161	4.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	3.2290	3.2290	1.0400e-003	0.0000	3.2551
Total	2.3200e-003	0.0274	0.0161	4.0000e-005	1.2200e-003	1.0500e-003	2.2700e-003	1.3000e-004	9.7000e-004	1.1000e-003	0.0000	3.2290	3.2290	1.0400e-003	0.0000	3.2551

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Site Preparation - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0794	0.0794	0.0000	0.0000	0.0803
Total	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0794	0.0794	0.0000	0.0000	0.0803

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					4.8000e-004	0.0000	4.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3200e-003	0.0274	0.0161	4.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	3.2290	3.2290	1.0400e-003	0.0000	3.2551
Total	2.3200e-003	0.0274	0.0161	4.0000e-005	4.8000e-004	1.0500e-003	1.5300e-003	5.0000e-005	9.7000e-004	1.0200e-003	0.0000	3.2290	3.2290	1.0400e-003	0.0000	3.2551

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.2 Site Preparation - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0794	0.0794	0.0000	0.0000	0.0803
Total	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0794	0.0794	0.0000	0.0000	0.0803

3.3 Grading - 2021**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					0.0193	0.0000	0.0193	0.0101	0.0000	0.0101	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4800e-003	0.0606	0.0293	6.0000e-005		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	5.4312	5.4312	1.7600e-003	0.0000	5.4751
Total	5.4800e-003	0.0606	0.0293	6.0000e-005	0.0193	2.7500e-003	0.0220	0.0101	2.5300e-003	0.0126	0.0000	5.4312	5.4312	1.7600e-003	0.0000	5.4751

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 2021****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	1.1000e-004	8.0000e-005	8.7000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.1985	0.1985	1.0000e-005	1.0000e-005	0.2007
Total	1.1000e-004	8.0000e-005	8.7000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.1985	0.1985	1.0000e-005	1.0000e-005	0.2007

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					7.5200e-003	0.0000	7.5200e-003	3.9200e-003	0.0000	3.9200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4800e-003	0.0606	0.0293	6.0000e-005		2.7500e-003	2.7500e-003		2.5300e-003	2.5300e-003	0.0000	5.4312	5.4312	1.7600e-003	0.0000	5.4751
Total	5.4800e-003	0.0606	0.0293	6.0000e-005	7.5200e-003	2.7500e-003	0.0103	3.9200e-003	2.5300e-003	6.4500e-003	0.0000	5.4312	5.4312	1.7600e-003	0.0000	5.4751

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.3 Grading - 2021****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	1.1000e-004	8.0000e-005	8.7000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.1985	0.1985	1.0000e-005	1.0000e-005	0.2007
Total	1.1000e-004	8.0000e-005	8.7000e-004	0.0000	2.4000e-004	0.0000	2.4000e-004	6.0000e-005	0.0000	7.0000e-005	0.0000	0.1985	0.1985	1.0000e-005	1.0000e-005	0.2007

3.4 Building Construction - 2021**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	0.0156	0.1433	0.1632	2.6000e-004		8.2800e-003	8.2800e-003		7.9600e-003	7.9600e-003	0.0000	22.6298	22.6298	3.3900e-003	0.0000	22.7146
Total	0.0156	0.1433	0.1632	2.6000e-004		8.2800e-003	8.2800e-003		7.9600e-003	7.9600e-003	0.0000	22.6298	22.6298	3.3900e-003	0.0000	22.7146

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2021****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-004	0.0207	8.5300e-003	8.0000e-005	2.7300e-003	3.9000e-004	3.1200e-003	7.9000e-004	3.7000e-004	1.1600e-003	0.0000	8.0895	8.0895	5.0000e-005	1.1100e-003	8.4220
Worker	3.7600e-003	2.8900e-003	0.0303	8.0000e-005	8.4400e-003	5.0000e-005	8.4800e-003	2.2400e-003	4.0000e-005	2.2800e-003	0.0000	6.9178	6.9178	2.5000e-004	2.3000e-004	6.9940
Total	4.7100e-003	0.0236	0.0389	1.6000e-004	0.0112	4.4000e-004	0.0116	3.0300e-003	4.1000e-004	3.4400e-003	0.0000	15.0073	15.0073	3.0000e-004	1.3400e-003	15.4159

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	0.0156	0.1433	0.1632	2.6000e-004		8.2800e-003	8.2800e-003		7.9600e-003	7.9600e-003	0.0000	22.6297	22.6297	3.3900e-003	0.0000	22.7146
Total	0.0156	0.1433	0.1632	2.6000e-004		8.2800e-003	8.2800e-003		7.9600e-003	7.9600e-003	0.0000	22.6297	22.6297	3.3900e-003	0.0000	22.7146

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2021****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.5000e-004	0.0207	8.5300e-003	8.0000e-005	2.7300e-003	3.9000e-004	3.1200e-003	7.9000e-004	3.7000e-004	1.1600e-003	0.0000	8.0895	8.0895	5.0000e-005	1.1100e-003	8.4220
Worker	3.7600e-003	2.8900e-003	0.0303	8.0000e-005	8.4400e-003	5.0000e-005	8.4800e-003	2.2400e-003	4.0000e-005	2.2800e-003	0.0000	6.9178	6.9178	2.5000e-004	2.3000e-004	6.9940
Total	4.7100e-003	0.0236	0.0389	1.6000e-004	0.0112	4.4000e-004	0.0116	3.0300e-003	4.1000e-004	3.4400e-003	0.0000	15.0073	15.0073	3.0000e-004	1.3400e-003	15.4159

3.4 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0467	0.4316	0.5378	8.7000e-004		0.0233	0.0233		0.0224	0.0224	0.0000	75.0083	75.0083	0.0111	0.0000	75.2853
Total	0.0467	0.4316	0.5378	8.7000e-004		0.0233	0.0233		0.0224	0.0224	0.0000	75.0083	75.0083	0.0111	0.0000	75.2853

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4700e-003	0.0583	0.0256	2.8000e-004	9.0400e-003	7.7000e-004	9.8100e-003	2.6100e-003	7.4000e-004	3.3500e-003	0.0000	26.2589	26.2589	1.3000e-004	3.6000e-003	27.3339
Worker	0.0115	8.4000e-003	0.0917	2.4000e-004	0.0280	1.4000e-004	0.0281	7.4200e-003	1.3000e-004	7.5600e-003	0.0000	22.2110	22.2110	7.6000e-004	7.1000e-004	22.4420
Total	0.0140	0.0667	0.1173	5.2000e-004	0.0370	9.1000e-004	0.0379	0.0100	8.7000e-004	0.0109	0.0000	48.4699	48.4699	8.9000e-004	4.3100e-003	49.7759

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	0.0467	0.4316	0.5378	8.7000e-004		0.0233	0.0233		0.0224	0.0224	0.0000	75.0082	75.0082	0.0111	0.0000	75.2852
Total	0.0467	0.4316	0.5378	8.7000e-004		0.0233	0.0233		0.0224	0.0224	0.0000	75.0082	75.0082	0.0111	0.0000	75.2852

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.4 Building Construction - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4700e-003	0.0583	0.0256	2.8000e-004	9.0400e-003	7.7000e-004	9.8100e-003	2.6100e-003	7.4000e-004	3.3500e-003	0.0000	26.2589	26.2589	1.3000e-004	3.6000e-003	27.3339
Worker	0.0115	8.4000e-003	0.0917	2.4000e-004	0.0280	1.4000e-004	0.0281	7.4200e-003	1.3000e-004	7.5600e-003	0.0000	22.2110	22.2110	7.6000e-004	7.1000e-004	22.4420
Total	0.0140	0.0667	0.1173	5.2000e-004	0.0370	9.1000e-004	0.0379	0.0100	8.7000e-004	0.0109	0.0000	48.4699	48.4699	8.9000e-004	4.3100e-003	49.7759

3.5 Paving - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6900e-003	0.0301	0.0248	5.0000e-005		1.3600e-003	1.3600e-003		1.2600e-003	1.2600e-003	0.0000	3.9688	3.9688	1.2800e-003	0.0000	4.0009
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.6900e-003	0.0301	0.0248	5.0000e-005		1.3600e-003	1.3600e-003		1.2600e-003	1.2600e-003	0.0000	3.9688	3.9688	1.2800e-003	0.0000	4.0009

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Paving - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.3000e-004	1.0000e-004	1.0600e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2564	0.2564	1.0000e-005	1.0000e-005	0.2591
Total	1.3000e-004	1.0000e-004	1.0600e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2564	0.2564	1.0000e-005	1.0000e-005	0.2591

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	2.6900e-003	0.0301	0.0248	5.0000e-005		1.3600e-003	1.3600e-003		1.2600e-003	1.2600e-003	0.0000	3.9688	3.9688	1.2800e-003	0.0000	4.0009
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.6900e-003	0.0301	0.0248	5.0000e-005		1.3600e-003	1.3600e-003		1.2600e-003	1.2600e-003	0.0000	3.9688	3.9688	1.2800e-003	0.0000	4.0009

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.5 Paving - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.3000e-004	1.0000e-004	1.0600e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2564	0.2564	1.0000e-005	1.0000e-005	0.2591
Total	1.3000e-004	1.0000e-004	1.0600e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2564	0.2564	1.0000e-005	1.0000e-005	0.2591

3.6 Architectural Coating - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1960					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	0.1970	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2022****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	1.0600e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2564	0.2564	1.0000e-005	1.0000e-005	0.2591
Total	1.3000e-004	1.0000e-004	1.0600e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2564	0.2564	1.0000e-005	1.0000e-005	0.2591

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	0.1960					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	0.1970	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**3.6 Architectural Coating - 2022****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	1.0000e-004	1.0600e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2564	0.2564	1.0000e-005	1.0000e-005	0.2591
Total	1.3000e-004	1.0000e-004	1.0600e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2564	0.2564	1.0000e-005	1.0000e-005	0.2591

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0302	0.0463	0.2616	4.9000e-004	0.0475	4.9000e-004	0.0480	0.0127	4.6000e-004	0.0131	0.0000	45.6597	45.6597	3.1600e-003	2.7200e-003	46.5489
Unmitigated	0.0302	0.0463	0.2616	4.9000e-004	0.0475	4.9000e-004	0.0480	0.0127	4.6000e-004	0.0131	0.0000	45.6597	45.6597	3.1600e-003	2.7200e-003	46.5489

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	34.44	7.81	2.48	62,302	62,302
Motel	33.50	33.50	33.50	63,575	63,575
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	67.94	41.31	35.98	125,877	125,877

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Motel	9.50	7.30	7.30	19.00	62.00	19.00	58	38	4
Other Non-Asphalt Surfaces	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	0.522706	0.056540	0.174672	0.143027	0.031214	0.007930	0.006101	0.021782	0.000496	0.000161	0.028412	0.000923	0.006036
Motel	0.522706	0.056540	0.174672	0.143027	0.031214	0.007930	0.006101	0.021782	0.000496	0.000161	0.028412	0.000923	0.006036

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

Other Non-Asphalt Surfaces	0.522706	0.056540	0.174672	0.143027	0.031214	0.007930	0.006101	0.021782	0.000496	0.000161	0.028412	0.000923	0.006036
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	39.3093	39.3093	3.3200e-003	4.0000e-004	39.5121
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	39.3093	39.3093	3.3200e-003	4.0000e-004	39.5121
Natural Gas Mitigated	3.5400e-003	0.0322	0.0270	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.0427	35.0427	6.7000e-004	6.4000e-004	35.2509
Natural Gas Unmitigated	3.5400e-003	0.0322	0.0270	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.0427	35.0427	6.7000e-004	6.4000e-004	35.2509

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	12128.5	7.0000e-005	5.9000e-004	5.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6472	0.6472	1.0000e-005	1.0000e-005	0.6511
Motel	644546	3.4800e-003	0.0316	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3955	34.3955	6.6000e-004	6.3000e-004	34.5999
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		3.5500e-003	0.0322	0.0270	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.0427	35.0427	6.7000e-004	6.4000e-004	35.2509

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.2 Energy by Land Use - NaturalGas****Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	12128.5	7.0000e-005	5.9000e-004	5.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.6472	0.6472	1.0000e-005	1.0000e-005	0.6511
Motel	644546	3.4800e-003	0.0316	0.0265	1.9000e-004		2.4000e-003	2.4000e-003		2.4000e-003	2.4000e-003	0.0000	34.3955	34.3955	6.6000e-004	6.3000e-004	34.5999
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		3.5500e-003	0.0322	0.0270	1.9000e-004		2.4500e-003	2.4500e-003		2.4500e-003	2.4500e-003	0.0000	35.0427	35.0427	6.7000e-004	6.4000e-004	35.2509

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.3 Energy by Land Use - Electricity****Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	32495.8	5.7630	4.9000e-004	6.0000e-005	5.7927
Motel	189158	33.5463	2.8300e-003	3.4000e-004	33.7194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		39.3093	3.3200e-003	4.0000e-004	39.5121

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	32495.8	5.7630	4.9000e-004	6.0000e-005	5.7927
Motel	189158	33.5463	2.8300e-003	3.4000e-004	33.7194
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		39.3093	3.3200e-003	4.0000e-004	39.5121

6.0 Area Detail**6.1 Mitigation Measures Area**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0813	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7500e-003	1.7500e-003	0.0000	0.0000	1.8700e-003
Unmitigated	0.0813	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7500e-003	1.7500e-003	0.0000	0.0000	1.8700e-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	0.0196					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0616					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7500e-003	1.7500e-003	0.0000	0.0000	1.8700e-003
Total	0.0813	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7500e-003	1.7500e-003	0.0000	0.0000	1.8700e-003

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**6.2 Area by SubCategory****Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0196					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0616					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7500e-003	1.7500e-003	0.0000	0.0000	1.8700e-003
Total	0.0813	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.7500e-003	1.7500e-003	0.0000	0.0000	1.8700e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.3188	0.0289	7.0000e-004	3.2509
Unmitigated	2.3188	0.0289	7.0000e-004	3.2509

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.629177 / 0	1.6525	0.0206	5.0000e-004	2.3168
Motel	0.253668 / 0	0.6663	8.3200e-003	2.0000e-004	0.9341
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.3188	0.0289	7.0000e-004	3.2509

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**7.2 Water by Land Use****Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	0.629177 / 0	1.6525	0.0206	5.0000e-004	2.3168
Motel	0.253668 / 0	0.6663	8.3200e-003	2.0000e-004	0.9341
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.3188	0.0289	7.0000e-004	3.2509

8.0 Waste Detail

8.1 Mitigation Measures Waste

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	1.7782	0.1051	0.0000	4.4054
Unmitigated	1.7782	0.1051	0.0000	4.4054

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	3.29	0.6678	0.0395	0.0000	1.6546
Motel	5.47	1.1104	0.0656	0.0000	2.7509
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		1.7782	0.1051	0.0000	4.4054

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**8.2 Waste by Land Use****Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	3.29	0.6678	0.0395	0.0000	1.6546
Motel	5.47	1.1104	0.0656	0.0000	2.7509
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		1.7782	0.1051	0.0000	4.4054

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

11.0 Vegetation

PROJ - 2020-00203 Bubble Camp**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****Mojave Desert AQMD Air District, Mitigation Report****Construction Mitigation Summary**

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Forklifts	Diesel	No Change	0	1	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	3	No Change	0.00
Rollers	Diesel	No Change	0	1	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	1	No Change	0.00
Scrapers	Diesel	No Change	0	1	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	5	No Change	0.00

PROJ - 2020-00203 Bubble Camp**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	1.02000E-003	7.04000E-003	9.07000E-003	1.00000E-005	4.10000E-004	4.10000E-004	0.00000E+000	1.27663E+000	1.27663E+000	8.00000E-005	0.00000E+000	1.27870E+000
Forklifts	1.12800E-002	1.04310E-001	1.11360E-001	1.50000E-004	7.03000E-003	6.47000E-003	0.00000E+000	1.29255E+001	1.29255E+001	4.18000E-003	0.00000E+000	1.30301E+001
Generator Sets	3.70000E-002	3.28170E-001	4.04580E-001	7.20000E-004	1.66900E-002	1.66900E-002	0.00000E+000	6.21728E+001	6.21728E+001	3.00000E-003	0.00000E+000	6.22479E+001
Graders	3.07000E-003	3.97600E-002	1.22400E-002	5.00000E-005	1.26000E-003	1.16000E-003	0.00000E+000	4.06935E+000	4.06935E+000	1.32000E-003	0.00000E+000	4.10225E+000
Rollers	8.30000E-004	8.63000E-003	9.30000E-003	1.00000E-005	5.00000E-004	4.60000E-004	0.00000E+000	1.15260E+000	1.15260E+000	3.70000E-004	0.00000E+000	1.16191E+000
Rubber Tired Dozers	3.14000E-003	3.29100E-002	1.21100E-002	3.00000E-005	1.60000E-003	1.47000E-003	0.00000E+000	2.25168E+000	2.25168E+000	7.30000E-004	0.00000E+000	2.26989E+000
Scrapers	1.39000E-003	1.60500E-002	1.05100E-002	2.00000E-005	6.20000E-004	5.70000E-004	0.00000E+000	1.99750E+000	1.99750E+000	6.50000E-004	0.00000E+000	2.01365E+000
Tractors/Loaders/Backhoes	1.60700E-002	1.63270E-001	2.11080E-001	2.90000E-004	9.03000E-003	8.31000E-003	0.00000E+000	2.56974E+001	2.56974E+001	8.31000E-003	0.00000E+000	2.59052E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	1.02000E-003	7.04000E-003	9.07000E-003	1.00000E-005	4.10000E-004	4.10000E-004	0.00000E+000	1.27663E+000	1.27663E+000	8.00000E-005	0.00000E+000	1.27870E+000
Forklifts	1.12800E-002	1.04310E-001	1.11360E-001	1.50000E-004	7.03000E-003	6.47000E-003	0.00000E+000	1.29255E+001	1.29255E+001	4.18000E-003	0.00000E+000	1.30300E+001
Generator Sets	3.70000E-002	3.28170E-001	4.04580E-001	7.20000E-004	1.66900E-002	1.66900E-002	0.00000E+000	6.21728E+001	6.21728E+001	3.00000E-003	0.00000E+000	6.22479E+001
Graders	3.07000E-003	3.97600E-002	1.22400E-002	5.00000E-005	1.26000E-003	1.16000E-003	0.00000E+000	4.06935E+000	4.06935E+000	1.32000E-003	0.00000E+000	4.10225E+000
Rollers	8.30000E-004	8.63000E-003	9.30000E-003	1.00000E-005	5.00000E-004	4.60000E-004	0.00000E+000	1.15259E+000	1.15259E+000	3.70000E-004	0.00000E+000	1.16191E+000
Rubber Tired Dozers	3.14000E-003	3.29100E-002	1.21100E-002	3.00000E-005	1.60000E-003	1.47000E-003	0.00000E+000	2.25168E+000	2.25168E+000	7.30000E-004	0.00000E+000	2.26989E+000
Scrapers	1.39000E-003	1.60500E-002	1.05100E-002	2.00000E-005	6.20000E-004	5.70000E-004	0.00000E+000	1.99750E+000	1.99750E+000	6.50000E-004	0.00000E+000	2.01365E+000
Tractors/Loaders/Backhoes	1.60700E-002	1.63270E-001	2.11080E-001	2.90000E-004	9.03000E-003	8.31000E-003	0.00000E+000	2.56974E+001	2.56974E+001	8.31000E-003	0.00000E+000	2.59052E+001

PROJ - 2020-00203 Bubble Camp**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.54732E-006	1.54732E-006	0.00000E+000	0.00000E+000	1.53491E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.12589E-006	1.12589E-006	0.00000E+000	0.00000E+000	1.12454E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	8.67604E-006	8.67604E-006	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16743E-006	1.16743E-006	0.00000E+000	0.00000E+000	1.15807E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input			
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction	0.00		
Yes	Water Exposed Area	PM10 Reduction	61.00	PM2.5 Reduction	61.00	Frequency (per day)	3.00
No	Unpaved Road Mitigation	Moisture Content %	0.00	Vehicle Speed (mph)	25.00		

PROJ - 2020-00203 Bubble Camp

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

No	Clean Paved Road	% PM Reduction	0.00				
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		Unmitigated		Mitigated		Percent Reduction	
Phase	Source	PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.05	0.01	0.05	0.01	0.00	0.00
Grading	Fugitive Dust	0.02	0.01	0.01	0.00	0.61	0.61
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.61	0.62
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

[illegible]

PROJ - 2020-00203 Bubble Camp**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value 3
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	0.09	0.30		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			
No	Neighborhood Enhancements	Improve Pedestrian Network				
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			

PROJ - 2020-00203 Bubble Camp**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

No	Parking Policy Pricing	Limit Parking Supply	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00		
No	Transit Improvements	Expand Transit Network	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"			
No	Commute	Workplace Parking Charge			
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program			
	Commute	Commute Subtotal	0.00		
No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

PROJ - 2020-00203 Bubble Camp**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied****Area Mitigation**

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	250.00
No	Use Low VOC Paint (Residential Exterior)	250.00
No	Use Low VOC Paint (Non-residential Interior)	250.00
No	Use Low VOC Paint (Non-residential Exterior)	250.00
No	Use Low VOC Paint (Parking)	250.00
No	% Electric Lawnmower	
No	% Electric Leafblower	
No	% Electric Chainsaw	

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

PROJ - 2020-00203 Bubble Camp**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

DishWasher	15.00
Fan	50.00
Refrigerator	15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
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PROJ - 2020-00203 Bubble Camp

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

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	
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