

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

**Hemet Tentative Tract Map
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	51.00	Dwelling Unit	13.00	566,280.00	146

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	702.44	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - The Project site is 13 acres total in size.

Construction Phase - Building construction, paving, and painting would occur simultaneously.

Grading - The 13 acre Project area will be graded over many times.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403, CEQA Handbook, Tables 11-4, Page 11-15, and A11-9-A, page A11-77.

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Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	40
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	300.00
tblConstructionPhase	NumDays	20.00	300.00
tblLandUse	LandUseSquareFeet	91,800.00	566,280.00
tblLandUse	LotAcreage	16.56	13.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-2-2020	6-1-2020	1.7181	1.7181
2	6-2-2020	9-1-2020	1.6853	1.6853
3	9-2-2020	12-1-2020	1.6670	1.6670
4	12-2-2020	3-1-2021	1.5741	1.5741
5	3-2-2021	6-1-2021	1.5710	1.5710
6	6-2-2021	9-1-2021	0.2903	0.2903
		Highest	1.7181	1.7181

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	2.4064	0.0193	0.8513	8.5000e-004		0.0516	0.0516		0.0516	0.0516	5.4172	11.2691	16.6862	0.0170	3.7000e-004	17.2205
Energy	8.4100e-003	0.0719	0.0306	4.6000e-004		5.8100e-003	5.8100e-003		5.8100e-003	5.8100e-003	0.0000	224.9092	224.9092	7.4400e-003	2.7400e-003	225.9108
Mobile	0.1507	1.2955	1.8969	8.3000e-003	0.6286	6.0900e-003	0.6347	0.1684	5.7100e-003	0.1741	0.0000	768.9419	768.9419	0.0390	0.0000	769.9177
Waste						0.0000	0.0000		0.0000	0.0000	12.1510	0.0000	12.1510	0.7181	0.0000	30.1037
Water						0.0000	0.0000		0.0000	0.0000	1.0542	21.2013	22.2555	0.1092	2.7400e-003	25.8001
Total	2.5656	1.3867	2.7788	9.6100e-003	0.6286	0.0635	0.6921	0.1684	0.0631	0.2316	18.6224	1,026.3214	1,044.9438	0.8907	5.8500e-003	1,068.9527

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.4064	0.0193	0.8513	8.5000e-004		0.0516	0.0516		0.0516	0.0516	5.4172	11.2691	16.6862	0.0170	3.7000e-004	17.2205
Energy	8.4100e-003	0.0719	0.0306	4.6000e-004		5.8100e-003	5.8100e-003		5.8100e-003	5.8100e-003	0.0000	224.9092	224.9092	7.4400e-003	2.7400e-003	225.9108
Mobile	0.1507	1.2955	1.8969	8.3000e-003	0.6286	6.0900e-003	0.6347	0.1684	5.7100e-003	0.1741	0.0000	768.9419	768.9419	0.0390	0.0000	769.9177
Waste						0.0000	0.0000		0.0000	0.0000	12.1510	0.0000	12.1510	0.7181	0.0000	30.1037
Water						0.0000	0.0000		0.0000	0.0000	1.0542	21.2013	22.2555	0.1092	2.7400e-003	25.8001
Total	2.5656	1.3867	2.7788	9.6100e-003	0.6286	0.0635	0.6921	0.1684	0.0631	0.2316	18.6224	1,026.3214	1,044.9438	0.8907	5.8500e-003	1,068.9527

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/2/2020	3/13/2020	5	10	
2	Grading	Grading	3/14/2020	4/24/2020	5	30	
3	Building Construction	Building Construction	4/25/2020	6/18/2021	5	300	
4	Paving	Paving	4/25/2020	6/18/2021	5	300	
5	Architectural Coating	Architectural Coating	4/25/2020	6/18/2021	5	300	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 1,146,717; Residential Outdoor: 382,239; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	18.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

3.2 Site Preparation - 2020

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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0903	0.0110	0.1013	0.0497	0.0101	0.0598	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

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3.2 Site Preparation - 2020

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	4.1000e-004	2.9000e-004	3.0900e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8276	0.8276	2.0000e-005	0.0000	0.8282
Total	4.1000e-004	2.9000e-004	3.0900e-003	1.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8276	0.8276	2.0000e-005	0.0000	0.8282

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0299	0.0000	0.0299	0.0165	0.0000	0.0165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
Total	0.0204	0.2121	0.1076	1.9000e-004	0.0299	0.0110	0.0409	0.0165	0.0101	0.0266	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505

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3.2 Site Preparation - 2020

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	4.1000e-004	2.9000e-004	3.0900e-003	1.0000e-005	6.5000e-004	1.0000e-005	6.5000e-004	1.8000e-004	1.0000e-005	1.8000e-004	0.0000	0.8276	0.8276	2.0000e-005	0.0000	0.8282
Total	4.1000e-004	2.9000e-004	3.0900e-003	1.0000e-005	6.5000e-004	1.0000e-005	6.5000e-004	1.8000e-004	1.0000e-005	1.8000e-004	0.0000	0.8276	0.8276	2.0000e-005	0.0000	0.8282

3.3 Grading - 2020

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					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0668	0.7530	0.4794	9.3000e-004		0.0326	0.0326		0.0300	0.0300	0.0000	81.7264	81.7264	0.0264	0.0000	82.3872
Total	0.0668	0.7530	0.4794	9.3000e-004	0.1301	0.0326	0.1627	0.0540	0.0300	0.0840	0.0000	81.7264	81.7264	0.0264	0.0000	82.3872

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3.3 Grading - 2020

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	1.3800e-003	9.7000e-004	0.0103	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.7588	2.7588	7.0000e-005	0.0000	2.7605
Total	1.3800e-003	9.7000e-004	0.0103	3.0000e-005	3.3000e-003	2.0000e-005	3.3200e-003	8.8000e-004	2.0000e-005	8.9000e-004	0.0000	2.7588	2.7588	7.0000e-005	0.0000	2.7605

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0431	0.0000	0.0431	0.0179	0.0000	0.0179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0668	0.7530	0.4794	9.3000e-004		0.0326	0.0326		0.0300	0.0300	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871
Total	0.0668	0.7530	0.4794	9.3000e-004	0.0431	0.0326	0.0757	0.0179	0.0300	0.0479	0.0000	81.7263	81.7263	0.0264	0.0000	82.3871

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3.3 Grading - 2020

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	1.3800e-003	9.7000e-004	0.0103	3.0000e-005	2.1500e-003	2.0000e-005	2.1700e-003	5.9000e-004	2.0000e-005	6.1000e-004	0.0000	2.7588	2.7588	7.0000e-005	0.0000	2.7605
Total	1.3800e-003	9.7000e-004	0.0103	3.0000e-005	2.1500e-003	2.0000e-005	2.1700e-003	5.9000e-004	2.0000e-005	6.1000e-004	0.0000	2.7588	2.7588	7.0000e-005	0.0000	2.7605

3.4 Building Construction - 2020

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	0.1897	1.7172	1.5079	2.4100e-003		0.1000	0.1000		0.0940	0.0940	0.0000	207.2909	207.2909	0.0506	0.0000	208.5552
Total	0.1897	1.7172	1.5079	2.4100e-003		0.1000	0.1000		0.0940	0.0940	0.0000	207.2909	207.2909	0.0506	0.0000	208.5552

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3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2700e-003	0.0465	9.1100e-003	1.2000e-004	2.8300e-003	2.6000e-004	3.0900e-003	8.2000e-004	2.5000e-004	1.0700e-003	0.0000	11.0035	11.0035	8.8000e-004	0.0000	11.0255
Worker	7.4000e-003	5.1900e-003	0.0554	1.6000e-004	0.0177	1.1000e-004	0.0178	4.7000e-003	1.0000e-004	4.8000e-003	0.0000	14.8146	14.8146	3.7000e-004	0.0000	14.8239
Total	8.6700e-003	0.0517	0.0645	2.8000e-004	0.0205	3.7000e-004	0.0209	5.5200e-003	3.5000e-004	5.8700e-003	0.0000	25.8181	25.8181	1.2500e-003	0.0000	25.8494

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	0.1897	1.7172	1.5079	2.4100e-003		0.1000	0.1000		0.0940	0.0940	0.0000	207.2907	207.2907	0.0506	0.0000	208.5550
Total	0.1897	1.7172	1.5079	2.4100e-003		0.1000	0.1000		0.0940	0.0940	0.0000	207.2907	207.2907	0.0506	0.0000	208.5550

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3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2700e-003	0.0465	9.1100e-003	1.2000e-004	2.0300e-003	2.6000e-004	2.2900e-003	6.2000e-004	2.5000e-004	8.7000e-004	0.0000	11.0035	11.0035	8.8000e-004	0.0000	11.0255
Worker	7.4000e-003	5.1900e-003	0.0554	1.6000e-004	0.0116	1.1000e-004	0.0117	3.1900e-003	1.0000e-004	3.2900e-003	0.0000	14.8146	14.8146	3.7000e-004	0.0000	14.8239
Total	8.6700e-003	0.0517	0.0645	2.8000e-004	0.0136	3.7000e-004	0.0140	3.8100e-003	3.5000e-004	4.1600e-003	0.0000	25.8181	25.8181	1.2500e-003	0.0000	25.8494

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	0.1150	1.0546	1.0028	1.6300e-003		0.0580	0.0580		0.0545	0.0545	0.0000	140.1406	140.1406	0.0338	0.0000	140.9858
Total	0.1150	1.0546	1.0028	1.6300e-003		0.0580	0.0580		0.0545	0.0545	0.0000	140.1406	140.1406	0.0338	0.0000	140.9858

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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	7.2000e-004	0.0282	5.4300e-003	8.0000e-005	1.9100e-003	5.0000e-005	1.9600e-003	5.5000e-004	5.0000e-005	6.0000e-004	0.0000	7.3802	7.3802	5.6000e-004	0.0000	7.3943
Worker	4.6700e-003	3.1500e-003	0.0343	1.1000e-004	0.0120	7.0000e-005	0.0120	3.1800e-003	7.0000e-005	3.2400e-003	0.0000	9.6795	9.6795	2.3000e-004	0.0000	9.6852
Total	5.3900e-003	0.0314	0.0397	1.9000e-004	0.0139	1.2000e-004	0.0140	3.7300e-003	1.2000e-004	3.8400e-003	0.0000	17.0597	17.0597	7.9000e-004	0.0000	17.0794

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	0.1150	1.0546	1.0028	1.6300e-003		0.0580	0.0580		0.0545	0.0545	0.0000	140.1404	140.1404	0.0338	0.0000	140.9856
Total	0.1150	1.0546	1.0028	1.6300e-003		0.0580	0.0580		0.0545	0.0545	0.0000	140.1404	140.1404	0.0338	0.0000	140.9856

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

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	7.2000e-004	0.0282	5.4300e-003	8.0000e-005	1.3700e-003	5.0000e-005	1.4200e-003	4.2000e-004	5.0000e-005	4.7000e-004	0.0000	7.3802	7.3802	5.6000e-004	0.0000	7.3943
Worker	4.6700e-003	3.1500e-003	0.0343	1.1000e-004	7.8200e-003	7.0000e-005	7.8900e-003	2.1600e-003	7.0000e-005	2.2300e-003	0.0000	9.6795	9.6795	2.3000e-004	0.0000	9.6852
Total	5.3900e-003	0.0314	0.0397	1.9000e-004	9.1900e-003	1.2000e-004	9.3100e-003	2.5800e-003	1.2000e-004	2.7000e-003	0.0000	17.0597	17.0597	7.9000e-004	0.0000	17.0794

3.5 Paving - 2020

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	0.1214	1.2589	1.3114	2.0400e-003		0.0674	0.0674		0.0620	0.0620	0.0000	179.2526	179.2526	0.0580	0.0000	180.7019
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1214	1.2589	1.3114	2.0400e-003		0.0674	0.0674		0.0620	0.0620	0.0000	179.2526	179.2526	0.0580	0.0000	180.7019

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

3.5 Paving - 2020

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	6.1700e-003	4.3200e-003	0.0462	1.4000e-004	0.0148	9.0000e-005	0.0149	3.9200e-003	8.0000e-005	4.0000e-003	0.0000	12.3455	12.3455	3.1000e-004	0.0000	12.3533
Total	6.1700e-003	4.3200e-003	0.0462	1.4000e-004	0.0148	9.0000e-005	0.0149	3.9200e-003	8.0000e-005	4.0000e-003	0.0000	12.3455	12.3455	3.1000e-004	0.0000	12.3533

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	0.1214	1.2589	1.3114	2.0400e-003		0.0674	0.0674		0.0620	0.0620	0.0000	179.2524	179.2524	0.0580	0.0000	180.7017
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1214	1.2589	1.3114	2.0400e-003		0.0674	0.0674		0.0620	0.0620	0.0000	179.2524	179.2524	0.0580	0.0000	180.7017

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

3.5 Paving - 2020

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	6.1700e-003	4.3200e-003	0.0462	1.4000e-004	9.6400e-003	9.0000e-005	9.7300e-003	2.6600e-003	8.0000e-005	2.7500e-003	0.0000	12.3455	12.3455	3.1000e-004	0.0000	12.3533
Total	6.1700e-003	4.3200e-003	0.0462	1.4000e-004	9.6400e-003	9.0000e-005	9.7300e-003	2.6600e-003	8.0000e-005	2.7500e-003	0.0000	12.3455	12.3455	3.1000e-004	0.0000	12.3533

3.5 Paving - 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	0.0760	0.7816	0.8865	1.3800e-003		0.0410	0.0410		0.0377	0.0377	0.0000	121.1421	121.1421	0.0392	0.0000	122.1216
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0760	0.7816	0.8865	1.3800e-003		0.0410	0.0410		0.0377	0.0377	0.0000	121.1421	121.1421	0.0392	0.0000	122.1216

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

3.5 Paving - 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	3.8900e-003	2.6200e-003	0.0286	9.0000e-005	9.9700e-003	6.0000e-005	0.0100	2.6500e-003	6.0000e-005	2.7000e-003	0.0000	8.0663	8.0663	1.9000e-004	0.0000	8.0710
Total	3.8900e-003	2.6200e-003	0.0286	9.0000e-005	9.9700e-003	6.0000e-005	0.0100	2.6500e-003	6.0000e-005	2.7000e-003	0.0000	8.0663	8.0663	1.9000e-004	0.0000	8.0710

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	0.0760	0.7816	0.8865	1.3800e-003		0.0410	0.0410		0.0377	0.0377	0.0000	121.1419	121.1419	0.0392	0.0000	122.1214
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0760	0.7816	0.8865	1.3800e-003		0.0410	0.0410		0.0377	0.0377	0.0000	121.1419	121.1419	0.0392	0.0000	122.1214

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

3.5 Paving - 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	3.8900e-003	2.6200e-003	0.0286	9.0000e-005	6.5100e-003	6.0000e-005	6.5700e-003	1.8000e-003	6.0000e-005	1.8500e-003	0.0000	8.0663	8.0663	1.9000e-004	0.0000	8.0710
Total	3.8900e-003	2.6200e-003	0.0286	9.0000e-005	6.5100e-003	6.0000e-005	6.5700e-003	1.8000e-003	6.0000e-005	1.8500e-003	0.0000	8.0663	8.0663	1.9000e-004	0.0000	8.0710

3.6 Architectural Coating - 2020

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	1.0571					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.1507	0.1639	2.7000e-004		9.9300e-003	9.9300e-003		9.9300e-003	9.9300e-003	0.0000	22.8516	22.8516	1.7700e-003	0.0000	22.8959
Total	1.0788	0.1507	0.1639	2.7000e-004		9.9300e-003	9.9300e-003		9.9300e-003	9.9300e-003	0.0000	22.8516	22.8516	1.7700e-003	0.0000	22.8959

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

3.6 Architectural Coating - 2020

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	1.6500e-003	1.1500e-003	0.0123	4.0000e-005	3.9300e-003	2.0000e-005	3.9600e-003	1.0400e-003	2.0000e-005	1.0700e-003	0.0000	3.2921	3.2921	8.0000e-005	0.0000	3.2942
Total	1.6500e-003	1.1500e-003	0.0123	4.0000e-005	3.9300e-003	2.0000e-005	3.9600e-003	1.0400e-003	2.0000e-005	1.0700e-003	0.0000	3.2921	3.2921	8.0000e-005	0.0000	3.2942

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	1.0571					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.1507	0.1639	2.7000e-004		9.9300e-003	9.9300e-003		9.9300e-003	9.9300e-003	0.0000	22.8516	22.8516	1.7700e-003	0.0000	22.8958
Total	1.0788	0.1507	0.1639	2.7000e-004		9.9300e-003	9.9300e-003		9.9300e-003	9.9300e-003	0.0000	22.8516	22.8516	1.7700e-003	0.0000	22.8958

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

3.6 Architectural Coating - 2020

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	1.6500e-003	1.1500e-003	0.0123	4.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	3.2921	3.2921	8.0000e-005	0.0000	3.2942
Total	1.6500e-003	1.1500e-003	0.0123	4.0000e-005	2.5700e-003	2.0000e-005	2.5900e-003	7.1000e-004	2.0000e-005	7.3000e-004	0.0000	3.2921	3.2921	8.0000e-005	0.0000	3.2942

3.6 Architectural Coating - 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					
Archit. Coating	0.7146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0132	0.0924	0.1100	1.8000e-004		5.6900e-003	5.6900e-003		5.6900e-003	5.6900e-003	0.0000	15.4472	15.4472	1.0600e-003	0.0000	15.4737
Total	0.7278	0.0924	0.1100	1.8000e-004		5.6900e-003	5.6900e-003		5.6900e-003	5.6900e-003	0.0000	15.4472	15.4472	1.0600e-003	0.0000	15.4737

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

3.6 Architectural Coating - 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	1.0400e-003	7.0000e-004	7.6200e-003	2.0000e-005	2.6600e-003	2.0000e-005	2.6800e-003	7.1000e-004	1.0000e-005	7.2000e-004	0.0000	2.1510	2.1510	5.0000e-005	0.0000	2.1523
Total	1.0400e-003	7.0000e-004	7.6200e-003	2.0000e-005	2.6600e-003	2.0000e-005	2.6800e-003	7.1000e-004	1.0000e-005	7.2000e-004	0.0000	2.1510	2.1510	5.0000e-005	0.0000	2.1523

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	0.7146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0132	0.0924	0.1100	1.8000e-004		5.6900e-003	5.6900e-003		5.6900e-003	5.6900e-003	0.0000	15.4472	15.4472	1.0600e-003	0.0000	15.4737
Total	0.7278	0.0924	0.1100	1.8000e-004		5.6900e-003	5.6900e-003		5.6900e-003	5.6900e-003	0.0000	15.4472	15.4472	1.0600e-003	0.0000	15.4737

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

3.6 Architectural Coating - 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	1.0400e-003	7.0000e-004	7.6200e-003	2.0000e-005	1.7400e-003	2.0000e-005	1.7500e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	2.1510	2.1510	5.0000e-005	0.0000	2.1523
Total	1.0400e-003	7.0000e-004	7.6200e-003	2.0000e-005	1.7400e-003	2.0000e-005	1.7500e-003	4.8000e-004	1.0000e-005	4.9000e-004	0.0000	2.1510	2.1510	5.0000e-005	0.0000	2.1523

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	0.1507	1.2955	1.8969	8.3000e-003	0.6286	6.0900e-003	0.6347	0.1684	5.7100e-003	0.1741	0.0000	768.9419	768.9419	0.0390	0.0000	769.9177
Unmitigated	0.1507	1.2955	1.8969	8.3000e-003	0.6286	6.0900e-003	0.6347	0.1684	5.7100e-003	0.1741	0.0000	768.9419	768.9419	0.0390	0.0000	769.9177

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	485.52	505.41	439.62	1,646,398	1,646,398
Total	485.52	505.41	439.62	1,646,398	1,646,398

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
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

5.0 Energy Detail

Historical Energy Use: N

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

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	141.6401	141.6401	5.8500e-003	1.2100e-003	142.1468
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	141.6401	141.6401	5.8500e-003	1.2100e-003	142.1468
NaturalGas Mitigated	8.4100e-003	0.0719	0.0306	4.6000e-004		5.8100e-003	5.8100e-003		5.8100e-003	5.8100e-003	0.0000	83.2691	83.2691	1.6000e-003	1.5300e-003	83.7639
NaturalGas Unmitigated	8.4100e-003	0.0719	0.0306	4.6000e-004		5.8100e-003	5.8100e-003		5.8100e-003	5.8100e-003	0.0000	83.2691	83.2691	1.6000e-003	1.5300e-003	83.7639

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					
Single Family Housing	1.5604e+006	8.4100e-003	0.0719	0.0306	4.6000e-004		5.8100e-003	5.8100e-003		5.8100e-003	5.8100e-003	0.0000	83.2691	83.2691	1.6000e-003	1.5300e-003	83.7639
Total		8.4100e-003	0.0719	0.0306	4.6000e-004		5.8100e-003	5.8100e-003		5.8100e-003	5.8100e-003	0.0000	83.2691	83.2691	1.6000e-003	1.5300e-003	83.7639

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas 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					
Single Family Housing	1.5604e+006	8.4100e-003	0.0719	0.0306	4.6000e-004		5.8100e-003	5.8100e-003		5.8100e-003	5.8100e-003	0.0000	83.2691	83.2691	1.6000e-003	1.5300e-003	83.7639
Total		8.4100e-003	0.0719	0.0306	4.6000e-004		5.8100e-003	5.8100e-003		5.8100e-003	5.8100e-003	0.0000	83.2691	83.2691	1.6000e-003	1.5300e-003	83.7639

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	444540	141.6401	5.8500e-003	1.2100e-003	142.1468
Total		141.6401	5.8500e-003	1.2100e-003	142.1468

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	444540	141.6401	5.8500e-003	1.2100e-003	142.1468
Total		141.6401	5.8500e-003	1.2100e-003	142.1468

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.4064	0.0193	0.8513	8.5000e-004		0.0516	0.0516		0.0516	0.0516	5.4172	11.2691	16.6862	0.0170	3.7000e-004	17.2205
Unmitigated	2.4064	0.0193	0.8513	8.5000e-004		0.0516	0.0516		0.0516	0.0516	5.4172	11.2691	16.6862	0.0170	3.7000e-004	17.2205

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

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	0.1772					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0463					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1671	0.0132	0.3242	8.3000e-004		0.0487	0.0487		0.0487	0.0487	5.4172	10.4099	15.8271	0.0162	3.7000e-004	16.3406
Landscaping	0.0160	6.0800e-003	0.5271	3.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003	0.0000	0.8591	0.8591	8.3000e-004	0.0000	0.8799
Total	2.4064	0.0193	0.8513	8.6000e-004		0.0516	0.0516		0.0516	0.0516	5.4172	11.2691	16.6862	0.0170	3.7000e-004	17.2205

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

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	0.1772					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0463					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1671	0.0132	0.3242	8.3000e-004		0.0487	0.0487		0.0487	0.0487	5.4172	10.4099	15.8271	0.0162	3.7000e-004	16.3406
Landscaping	0.0160	6.0800e-003	0.5271	3.0000e-005		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003	0.0000	0.8591	0.8591	8.3000e-004	0.0000	0.8799
Total	2.4064	0.0193	0.8513	8.6000e-004		0.0516	0.0516		0.0516	0.0516	5.4172	11.2691	16.6862	0.0170	3.7000e-004	17.2205

7.0 Water Detail

7.1 Mitigation Measures Water

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	22.2555	0.1092	2.7400e-003	25.8001
Unmitigated	22.2555	0.1092	2.7400e-003	25.8001

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	3.32286 / 2.09484	22.2555	0.1092	2.7400e-003	25.8001
Total		22.2555	0.1092	2.7400e-003	25.8001

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	3.32286 / 2.09484	22.2555	0.1092	2.7400e-003	25.8001
Total		22.2555	0.1092	2.7400e-003	25.8001

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	12.1510	0.7181	0.0000	30.1037
Unmitigated	12.1510	0.7181	0.0000	30.1037

Hemet Tentative Tract Map - Riverside-South Coast County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	59.86	12.1510	0.7181	0.0000	30.1037
Total		12.1510	0.7181	0.0000	30.1037

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	59.86	12.1510	0.7181	0.0000	30.1037
Total		12.1510	0.7181	0.0000	30.1037

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Hemet Tentative Tract Map - Riverside-South Coast County, Annual

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
