

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

**Chateau Resort Victorville Residential Care
Mojave Desert Air Basin, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Medical Office Building	204.19	1000sqft	4.69	204,185.00	0
Other Non-Asphalt Surfaces	156.22	1000sqft	3.59	156,217.00	0
Other Asphalt Surfaces	395.96	1000sqft	9.09	395,960.40	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2022

Utility Company

CO2 Intensity (lb/MW hr)	0	CH4 Intensity (lb/MW hr)	0	N2O Intensity (lb/MW hr)	0
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1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per Site Plan.

Construction Phase - Project Site is vacant, demolition is not required.

Applicant is required a minimum of 42 days for architectural coating.

Vehicle Trips - Per TIA.

Construction Off-road Equipment Mitigation -

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	PhaseEndDate	4/15/2022	5/17/2022
tblLandUse	LandUseSquareFeet	204,190.00	204,185.00
tblLandUse	LandUseSquareFeet	156,220.00	156,217.00
tblLandUse	LandUseSquareFeet	395,960.00	395,960.40
tblVehicleTrips	ST_TR	8.96	14.34
tblVehicleTrips	SU_TR	1.55	14.34
tblVehicleTrips	WD_TR	36.13	14.34

2.0 Emissions Summary

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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					
2020	4.5418	50.2609	32.5469	0.0855	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	8,557.8150	8,557.8150	1.9475	0.0000	8,584.7662
2021	3.5576	30.2752	27.5264	0.0844	3.2807	0.9939	4.2746	0.8893	0.9344	1.8238	0.0000	8,452.0789	8,452.0789	1.0472	0.0000	8,478.2578
2022	122.2456	27.6634	26.3346	0.0833	3.2807	0.8402	4.1209	0.8893	0.7904	1.6797	0.0000	8,346.2035	8,346.2035	1.0172	0.0000	8,371.6325
Maximum	122.2456	50.2609	32.5469	0.0855	18.2141	2.1984	20.4125	9.9699	2.0225	11.9924	0.0000	8,557.8150	8,557.8150	1.9475	0.0000	8,584.7662

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					
2020	4.5418	50.2609	32.5469	0.0855	8.2777	2.1984	10.4761	4.5080	2.0225	6.5306	0.0000	8,557.8150	8,557.8150	1.9475	0.0000	8,584.7662
2021	3.5576	30.2752	27.5264	0.0844	3.2807	0.9939	4.2746	0.8893	0.9344	1.8238	0.0000	8,452.0789	8,452.0789	1.0472	0.0000	8,478.2578
2022	122.2456	27.6634	26.3346	0.0833	3.2807	0.8402	4.1209	0.8893	0.7904	1.6797	0.0000	8,346.2035	8,346.2035	1.0172	0.0000	8,371.6325
Maximum	122.2456	50.2609	32.5469	0.0855	8.2777	2.1984	10.4761	4.5080	2.0225	6.5306	0.0000	8,557.8150	8,557.8150	1.9475	0.0000	8,584.7662

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

	ROG	NOx	CO	SO2	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	40.11	0.00	34.49	46.49	0.00	35.25	0.00	0.00	0.00	0.00	0.00	0.00

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	5.9740	7.1000e-004	0.0774	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1655	0.1655	4.4000e-004		0.1765
Energy	0.0209	0.1903	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.3713	228.3713	4.3800e-003	4.1900e-003	229.7284
Mobile	5.2667	47.1673	45.7446	0.2013	12.2681	0.1253	12.3933	3.2848	0.1175	3.4023		20,636.6341	20,636.6341	2.0272		20,687.3145
Total	11.2616	47.3583	45.9818	0.2024	12.2681	0.1400	12.4081	3.2848	0.1323	3.4170		20,865.1709	20,865.1709	2.0320	4.1900e-003	20,917.2194

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	5.9740	7.1000e-004	0.0774	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1655	0.1655	4.4000e-004		0.1765
Energy	0.0209	0.1903	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.3713	228.3713	4.3800e-003	4.1900e-003	229.7284
Mobile	5.2667	47.1673	45.7446	0.2013	12.2681	0.1253	12.3933	3.2848	0.1175	3.4023		20,636.6341	20,636.6341	2.0272		20,687.3145
Total	11.2616	47.3583	45.9818	0.2024	12.2681	0.1400	12.4081	3.2848	0.1323	3.4170		20,865.1709	20,865.1709	2.0320	4.1900e-003	20,917.2194

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

	ROG	NOx	CO	SO2	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	10/31/2020	11/13/2020	5	10	
2	Grading	Grading	11/14/2020	12/25/2020	5	30	
3	Building Construction	Building Construction	12/26/2020	2/18/2022	5	300	
4	Paving	Paving	2/19/2022	3/18/2022	5	20	
5	Architectural Coating	Architectural Coating	3/19/2022	5/17/2022	5	42	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 12.68

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 306,278; Non-Residential Outdoor: 102,093; Striped Parking Area: 33,131 (Architectural Coating – sqft)

OffRoad Equipment

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	297.00	124.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	59.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

3.1 Mitigation Measures Construction

Water Exposed Area

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	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
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
Worker	0.0825	0.0571	0.5297	1.3500e-003	0.1479	9.8000e-004	0.1489	0.0392	9.0000e-004	0.0401		134.2103	134.2103	4.5300e-003		134.3235
Total	0.0825	0.0571	0.5297	1.3500e-003	0.1479	9.8000e-004	0.1489	0.0392	9.0000e-004	0.0401		134.2103	134.2103	4.5300e-003		134.3235

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	8.1298	2.1974	10.3272	4.4688	2.0216	6.4904	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
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
Worker	0.0825	0.0571	0.5297	1.3500e-003	0.1479	9.8000e-004	0.1489	0.0392	9.0000e-004	0.0401		134.2103	134.2103	4.5300e-003		134.3235
Total	0.0825	0.0571	0.5297	1.3500e-003	0.1479	9.8000e-004	0.1489	0.0392	9.0000e-004	0.0401		134.2103	134.2103	4.5300e-003		134.3235

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	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	8.6733	2.1739	10.8472	3.5965	2.0000	5.5965		6,005.8653	6,005.8653	1.9424		6,054.4257

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
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
Worker	0.0917	0.0634	0.5886	1.5000e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		149.1225	149.1225	5.0300e-003		149.2483
Total	0.0917	0.0634	0.5886	1.5000e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		149.1225	149.1225	5.0300e-003		149.2483

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	3.9030	2.1739	6.0769	1.6184	2.0000	3.6184	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
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
Worker	0.0917	0.0634	0.5886	1.5000e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		149.1225	149.1225	5.0300e-003		149.2483
Total	0.0917	0.0634	0.5886	1.5000e-003	0.1643	1.0900e-003	0.1654	0.0436	1.0000e-003	0.0446		149.1225	149.1225	5.0300e-003		149.2483

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	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
Vendor	0.4573	13.2518	3.3866	0.0363	0.8409	0.0597	0.9006	0.2422	0.0571	0.2993		3,790.2824	3,790.2824	0.3805		3,799.7939
Worker	1.3610	0.9415	8.7403	0.0223	2.4398	0.0162	2.4560	0.6471	0.0149	0.6620		2,214.4695	2,214.4695	0.0747		2,216.3379
Total	1.8182	14.1933	12.1269	0.0585	3.2807	0.0758	3.3566	0.8893	0.0720	0.9613		6,004.7519	6,004.7519	0.4552		6,016.1318

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	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
Vendor	0.4573	13.2518	3.3866	0.0363	0.8409	0.0597	0.9006	0.2422	0.0571	0.2993		3,790.2824	3,790.2824	0.3805		3,799.7939
Worker	1.3610	0.9415	8.7403	0.0223	2.4398	0.0162	2.4560	0.6471	0.0149	0.6620		2,214.4695	2,214.4695	0.0747		2,216.3379
Total	1.8182	14.1933	12.1269	0.0585	3.2807	0.0758	3.3566	0.8893	0.0720	0.9613		6,004.7519	6,004.7519	0.4552		6,016.1318

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
Vendor	0.3936	12.0033	2.9819	0.0360	0.8409	0.0196	0.8605	0.2422	0.0187	0.2609		3,761.5867	3,761.5867	0.3643		3,770.6935
Worker	1.2631	0.8398	7.9693	0.0215	2.4398	0.0157	2.4555	0.6471	0.0144	0.6616		2,137.1282	2,137.1282	0.0669		2,138.8000
Total	1.6567	12.8431	10.9512	0.0575	3.2807	0.0353	3.3160	0.8893	0.0332	0.9225		5,898.7150	5,898.7150	0.4311		5,909.4935

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
Vendor	0.3936	12.0033	2.9819	0.0360	0.8409	0.0196	0.8605	0.2422	0.0187	0.2609		3,761.5867	3,761.5867	0.3643		3,770.6935
Worker	1.2631	0.8398	7.9693	0.0215	2.4398	0.0157	2.4555	0.6471	0.0144	0.6616		2,137.1282	2,137.1282	0.0669		2,138.8000
Total	1.6567	12.8431	10.9512	0.0575	3.2807	0.0353	3.3160	0.8893	0.0332	0.9225		5,898.7150	5,898.7150	0.4311		5,909.4935

3.4 Building Construction - 2022

Unmitigated Construction On-Site

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

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
Vendor	0.3644	11.2959	2.7214	0.0357	0.8409	0.0160	0.8569	0.2422	0.0153	0.2575		3,731.7666	3,731.7666	0.3455		3,740.4050
Worker	1.1770	0.7518	7.2498	0.0207	2.4398	0.0152	2.4549	0.6471	0.0140	0.6611		2,060.1033	2,060.1033	0.0597		2,061.5953
Total	1.5415	12.0478	9.9712	0.0564	3.2807	0.0312	3.3119	0.8893	0.0293	0.9186		5,791.8699	5,791.8699	0.4052		5,802.0003

Mitigated Construction On-Site

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

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
Vendor	0.3644	11.2959	2.7214	0.0357	0.8409	0.0160	0.8569	0.2422	0.0153	0.2575		3,731.7666	3,731.7666	0.3455		3,740.4050
Worker	1.1770	0.7518	7.2498	0.0207	2.4398	0.0152	2.4549	0.6471	0.0140	0.6611		2,060.1033	2,060.1033	0.0597		2,061.5953
Total	1.5415	12.0478	9.9712	0.0564	3.2807	0.0312	3.3119	0.8893	0.0293	0.9186		5,791.8699	5,791.8699	0.4052		5,802.0003

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	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	1.1908					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2936	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
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
Worker	0.0595	0.0380	0.3662	1.0400e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		104.0456	104.0456	3.0100e-003		104.1210
Total	0.0595	0.0380	0.3662	1.0400e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		104.0456	104.0456	3.0100e-003		104.1210

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	1.1908					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2936	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.6603	2,207.6603	0.7140		2,225.5104

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
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
Worker	0.0595	0.0380	0.3662	1.0400e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		104.0456	104.0456	3.0100e-003		104.1210
Total	0.0595	0.0380	0.3662	1.0400e-003	0.1232	7.7000e-004	0.1240	0.0327	7.1000e-004	0.0334		104.0456	104.0456	3.0100e-003		104.1210

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	121.8073					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	122.0118	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
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
Worker	0.2338	0.1494	1.4402	4.1100e-003	0.4847	3.0100e-003	0.4877	0.1286	2.7700e-003	0.1313		409.2461	409.2461	0.0119		409.5425
Total	0.2338	0.1494	1.4402	4.1100e-003	0.4847	3.0100e-003	0.4877	0.1286	2.7700e-003	0.1313		409.2461	409.2461	0.0119		409.5425

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	121.8073					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	122.0118	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

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	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
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
Worker	0.2338	0.1494	1.4402	4.1100e-003	0.4847	3.0100e-003	0.4877	0.1286	2.7700e-003	0.1313		409.2461	409.2461	0.0119		409.5425
Total	0.2338	0.1494	1.4402	4.1100e-003	0.4847	3.0100e-003	0.4877	0.1286	2.7700e-003	0.1313		409.2461	409.2461	0.0119		409.5425

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.2667	47.1673	45.7446	0.2013	12.2681	0.1253	12.3933	3.2848	0.1175	3.4023		20,636.63 41	20,636.63 41	2.0272		20,687.31 45
Unmitigated	5.2667	47.1673	45.7446	0.2013	12.2681	0.1253	12.3933	3.2848	0.1175	3.4023		20,636.63 41	20,636.63 41	2.0272		20,687.31 45

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Medical Office Building	2,928.08	2,928.08	2,928.08	5,730,993	5,730,993
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	2,928.08	2,928.08	2,928.08	5,730,993	5,730,993

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
Medical Office Building	9.50	7.30	7.30	29.60	51.40	19.00	60	30	10
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Medical Office Building	0.542331	0.034995	0.171339	0.106016	0.017524	0.005301	0.010354	0.098286	0.001618	0.001995	0.008295	0.000874	0.001071
Other Asphalt Surfaces	0.542331	0.034995	0.171339	0.106016	0.017524	0.005301	0.010354	0.098286	0.001618	0.001995	0.008295	0.000874	0.001071
Other Non-Asphalt Surfaces	0.542331	0.034995	0.171339	0.106016	0.017524	0.005301	0.010354	0.098286	0.001618	0.001995	0.008295	0.000874	0.001071

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	0.0209	0.1903	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.3713	228.3713	4.3800e-003	4.1900e-003	229.7284
NaturalGas Unmitigated	0.0209	0.1903	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.3713	228.3713	4.3800e-003	4.1900e-003	229.7284

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

5.2 Energy by Land Use - Natural Gas

Unmitigated

	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	lb/day										lb/day					
Medical Office Building	1941.16	0.0209	0.1903	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.3713	228.3713	4.3800e-003	4.1900e-003	229.7284
Other 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
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		0.0209	0.1903	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.3713	228.3713	4.3800e-003	4.1900e-003	229.7284

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	lb/day										lb/day					
Medical Office Building	1.94116	0.0209	0.1903	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.3713	228.3713	4.3800e-003	4.1900e-003	229.7284
Other 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
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		0.0209	0.1903	0.1599	1.1400e-003		0.0145	0.0145		0.0145	0.0145		228.3713	228.3713	4.3800e-003	4.1900e-003	229.7284

6.0 Area Detail

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	5.9740	7.1000e-004	0.0774	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1655	0.1655	4.4000e-004			0.1765
Unmitigated	5.9740	7.1000e-004	0.0774	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1655	0.1655	4.4000e-004			0.1765

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	1.4016					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	4.5651					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Landscaping	7.1900e-003	7.1000e-004	0.0774	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1655	0.1655	4.4000e-004			0.1765
Total	5.9740	7.1000e-004	0.0774	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1655	0.1655	4.4000e-004			0.1765

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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	1.4016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.5651					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	7.1900e-003	7.1000e-004	0.0774	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1655	0.1655	4.4000e-004		0.1765
Total	5.9740	7.1000e-004	0.0774	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004		0.1655	0.1655	4.4000e-004		0.1765

7.0 Water Detail

7.1 Mitigation Measures Water

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

Chateau Resort Victorville Residential Care - Mojave Desert Air Basin, Winter

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
