

Attachment 6A

Air Quality and Greenhouse Gas CalEEMod Model Outputs

MST SURF - Monterey County, Summer

MST SURF

Monterey County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	987.59	1000sqft	22.67	987,590.00	0
Parking Lot	181.00	Space	1.63	72,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	55
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Anticipated construction schedule

Demolition -

Grading - Estimated clearing, grubbing, material removal

Vehicle Trips - Estimated trip generation for transit center

Construction Off-road Equipment Mitigation - MBARD construction dust control measures

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	65.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	35.00	45.00
tblConstructionPhase	NumDays	20.00	325.00
tblConstructionPhase	NumDays	10.00	63.00
tblGrading	MaterialExported	0.00	5,000.00
tblGrading	MaterialExported	0.00	76,815.00
tblVehicleTrips	CC_TTP	0.00	48.00
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CW_TTP	0.00	33.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	1.00
tblVehicleTrips	SU_TR	0.00	1.00
tblVehicleTrips	WD_TR	0.00	1.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.3528	70.9071	30.4303	0.1612	21.1353	1.7463	22.8815	10.7381	1.6114	12.3495	0.0000	16,727.1200	16,727.1200	1.9924	0.0000	16,768.6359

2023	8.5873	11.7599	19.4284	0.0341	0.8543	0.5877	1.4420	0.2266	0.5463	0.7730	0.0000	3,315.1638	3,315.1638	0.7588	0.0000	3,334.1341
Maximum	8.5873	70.9071	30.4303	0.1612	21.1353	1.7463	22.8815	10.7381	1.6114	12.3495	0.0000	16,727.1200	16,727.1200	1.9924	0.0000	16,768.6359

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					
2022	4.3528	70.9071	30.4303	0.1612	10.5140	1.7463	12.2602	4.9985	1.6114	6.6100	0.0000	16,727.1200	16,727.1200	1.9924	0.0000	16,768.6359
2023	8.5873	11.7599	19.4284	0.0341	0.8098	0.5877	1.3975	0.2157	0.5463	0.7620	0.0000	3,315.1638	3,315.1638	0.7588	0.0000	3,334.1341
Maximum	8.5873	70.9071	30.4303	0.1612	10.5140	1.7463	12.2602	4.9985	1.6114	6.6100	0.0000	16,727.1200	16,727.1200	1.9924	0.0000	16,768.6359

	ROG	NOx	CO	SO2	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	48.50	0.00	43.85	52.45	0.00	43.82	0.00	0.00	0.00	0.00	0.00	0.00

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	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.3504	1.3425	3.9016	0.0133	1.1251	0.0104	1.1355	0.3013	9.6700e-003	0.3109		1,341.6305	1,341.6305	0.0569		1,343.0531
Total	0.8580	1.3436	4.0206	0.0133	1.1251	0.0108	1.1359	0.3013	0.0101	0.3113		1,341.8862	1,341.8862	0.0576	0.0000	1,343.3255

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	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.3504	1.3425	3.9016	0.0133	1.1251	0.0104	1.1355	0.3013	9.6700e-003	0.3109		1,341.6305	1,341.6305	0.0569		1,343.0531
Total	0.8580	1.3436	4.0206	0.0133	1.1251	0.0108	1.1359	0.3013	0.0101	0.3113		1,341.8862	1,341.8862	0.0576	0.0000	1,343.3255

	ROG	NOx	CO	SO2	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	Demolition	Demolition	1/1/2022	2/15/2022	5	32	
2	Site Preparation	Site Preparation	2/16/2022	5/13/2022	5	63	
3	Grading	Grading	5/14/2022	7/15/2022	5	45	
4	Paving	Paving	7/16/2022	10/13/2023	5	325	
5	Architectural Coating	Architectural Coating	9/30/2023	12/29/2023	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 24.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 63,599

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
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
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
Demolition	6	15.00	0.00	845.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	9,602.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	625.00	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	89.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 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					
Fugitive Dust					5.9775	0.0000	5.9775	0.9052	0.0000	0.9052			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	5.9775	1.2427	7.2201	0.9052	1.1553	2.0605		3,746.7812	3,746.7812	1.0524		3,773.0920

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	0.1931	6.5443	1.4245	0.0211	0.4608	0.0230	0.4837	0.1262	0.0220	0.1482		2,233.7013	2,233.7013	0.0802		2,235.7070

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	0.0566	0.0427	0.4796	1.2400e-003	0.1232	9.9000e-004	0.1242	0.0327	9.1000e-004	0.0336		123.7396	123.7396	4.5200e-003		123.8527
Total	0.2498	6.5869	1.9042	0.0223	0.5840	0.0240	0.6080	0.1589	0.0229	0.1818		2,357.4409	2,357.4409	0.0848		2,359.5597

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					2.5554	0.0000	2.5554	0.3870	0.0000	0.3870			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	2.5554	1.2427	3.7980	0.3870	1.1553	1.5423	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

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	0.1931	6.5443	1.4245	0.0211	0.4398	0.0230	0.4628	0.1211	0.0220	0.1431		2,233.7013	2,233.7013	0.0802		2,235.7070
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	0.0566	0.0427	0.4796	1.2400e-003	0.1168	9.9000e-004	0.1178	0.0311	9.1000e-004	0.0320		123.7396	123.7396	4.5200e-003		123.8527
Total	0.2498	6.5869	1.9042	0.0223	0.5566	0.0240	0.5806	0.1522	0.0229	0.1751		2,357.4409	2,357.4409	0.0848		2,359.5597

3.3 Site Preparation - 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					
Fugitive Dust					18.3278	0.0000	18.3278	9.9703	0.0000	9.9703			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.3278	1.6126	19.9404	9.9703	1.4836	11.4539		3,686.0619	3,686.0619	1.1922		3,715.8655

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	1.1147	37.7724	8.2222	0.1216	2.6596	0.1325	2.7921	0.7286	0.1268	0.8553		12,892.5706	12,892.5706	0.4631		12,904.1471
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	0.0680	0.0512	0.5756	1.4900e-003	0.1479	1.1900e-003	0.1491	0.0392	1.1000e-003	0.0403		148.4875	148.4875	5.4300e-003		148.6232
Total	1.1827	37.8236	8.7978	0.1231	2.8075	0.1337	2.9412	0.7678	0.1279	0.8957		13,041.0581	13,041.0581	0.4685		13,052.7703

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.8351	0.0000	7.8351	4.2623	0.0000	4.2623			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	7.8351	1.6126	9.4477	4.2623	1.4836	5.7459	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

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	1.1147	37.7724	8.2222	0.1216	2.5387	0.1325	2.6712	0.6989	0.1268	0.8257		12,892.5706	12,892.5706	0.4631		12,904.1471
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	0.0680	0.0512	0.5756	1.4900e-003	0.1402	1.1900e-003	0.1414	0.0373	1.1000e-003	0.0384		148.4875	148.4875	5.4300e-003		148.6232
Total	1.1827	37.8236	8.7978	0.1231	2.6788	0.1337	2.8125	0.7362	0.1279	0.8641		13,041.0581	13,041.0581	0.4685		13,052.7703

3.4 Grading - 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					
Fugitive Dust					8.6972	0.0000	8.6972	3.6001	0.0000	3.6001			0.0000			0.0000

Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6972	1.6349	10.3321	3.6001	1.5041	5.1042		6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.1016	3.4421	0.7493	0.0111	0.2424	0.0121	0.2544	0.0664	0.0116	0.0779		1,174.8593	1,174.8593	0.0422		1,175.9143
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	0.0755	0.0569	0.6395	1.6600e-003	0.1643	1.3200e-003	0.1656	0.0436	1.2200e-003	0.0448		164.9862	164.9862	6.0300e-003		165.1369
Total	0.1771	3.4990	1.3888	0.0127	0.4067	0.0134	0.4201	0.1100	0.0128	0.1227		1,339.8455	1,339.8455	0.0482		1,341.0511

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					3.7180	0.0000	3.7180	1.5391	0.0000	1.5391			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	3.7180	1.6349	5.3529	1.5391	1.5041	3.0432	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.1016	3.4421	0.7493	0.0111	0.2313	0.0121	0.2434	0.0637	0.0116	0.0752		1,174.8593	1,174.8593	0.0422		1,175.9143
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	0.0755	0.0569	0.6395	1.6600e-003	0.1557	1.3200e-003	0.1571	0.0415	1.2200e-003	0.0427		164.9862	164.9862	6.0300e-003		165.1369
Total	0.1771	3.4990	1.3888	0.0127	0.3871	0.0134	0.4005	0.1052	0.0128	0.1179		1,339.8455	1,339.8455	0.0482		1,341.0511

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	0.1959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2987	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

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
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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	0.0566	0.0427	0.4796	1.2400e-003	0.1232	9.9000e-004	0.1242	0.0327	9.1000e-004	0.0336		123.7396	123.7396	4.5200e-003		123.8527
Total	0.0566	0.0427	0.4796	1.2400e-003	0.1232	9.9000e-004	0.1242	0.0327	9.1000e-004	0.0336		123.7396	123.7396	4.5200e-003		123.8527

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	0.1959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2987	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

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	0.0566	0.0427	0.4796	1.2400e-003	0.1168	9.9000e-004	0.1178	0.0311	9.1000e-004	0.0320		123.7396	123.7396	4.5200e-003		123.8527
Total	0.0566	0.0427	0.4796	1.2400e-003	0.1168	9.9000e-004	0.1178	0.0311	9.1000e-004	0.0320		123.7396	123.7396	4.5200e-003		123.8527

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2286	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0525	0.0383	0.4375	1.2000e-003	0.1232	9.6000e-004	0.1242	0.0327	8.9000e-004	0.0336		119.1536	119.1536	4.0400e-003		119.2545
Total	0.0525	0.0383	0.4375	1.2000e-003	0.1232	9.6000e-004	0.1242	0.0327	8.9000e-004	0.0336		119.1536	119.1536	4.0400e-003		119.2545

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2286	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0525	0.0383	0.4375	1.2000e-003	0.1168	9.6000e-004	0.1178	0.0311	8.9000e-004	0.0320		119.1536	119.1536	4.0400e-003		119.2545
Total	0.0525	0.0383	0.4375	1.2000e-003	0.1168	9.6000e-004	0.1178	0.0311	8.9000e-004	0.0320		119.1536	119.1536	4.0400e-003		119.2545

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Archit. Coating	6.8027					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168	281.8690
Total	6.9943	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168	281.8690

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	0.3118	0.2270	2.5956	7.1000e-003	0.7311	5.7000e-003	0.7368	0.1939	5.2500e-003	0.1992		706.9780	706.9780	0.0240		707.5770
Total	0.3118	0.2270	2.5956	7.1000e-003	0.7311	5.7000e-003	0.7368	0.1939	5.2500e-003	0.1992		706.9780	706.9780	0.0240		707.5770

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	6.8027					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Total	6.9943	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
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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	0.3118	0.2270	2.5956	7.1000e-003	0.6930	5.7000e-003	0.6987	0.1846	5.2500e-003	0.1898		706.9780	706.9780	0.0240		707.5770
Total	0.3118	0.2270	2.5956	7.1000e-003	0.6930	5.7000e-003	0.6987	0.1846	5.2500e-003	0.1898		706.9780	706.9780	0.0240		707.5770

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	0.3504	1.3425	3.9016	0.0133	1.1251	0.0104	1.1355	0.3013	9.6700e-003	0.3109		1,341.6305	1,341.6305	0.0569		1,343.0531
Unmitigated	0.3504	1.3425	3.9016	0.0133	1.1251	0.0104	1.1355	0.3013	9.6700e-003	0.3109		1,341.6305	1,341.6305	0.0569		1,343.0531

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	181.00	181.00	181.00	528,785	528,785
Total	181.00	181.00	181.00	528,785	528,785

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
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.556779	0.026713	0.208340	0.120507	0.017899	0.004851	0.020301	0.028598	0.004134	0.002470	0.007487	0.001233	0.000687
Parking Lot	0.556779	0.026713	0.208340	0.120507	0.017899	0.004851	0.020301	0.028598	0.004134	0.002470	0.007487	0.001233	0.000687

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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	lb/day										lb/day					
Mitigated	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724
Unmitigated	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724

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	0.1211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3755					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0110	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724
Total	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724

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	0.1211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3755					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0110	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724
Total	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724

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

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

MST SURF - Monterey County, Winter

MST SURF

Monterey County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	987.59	1000sqft	22.67	987,590.00	0
Parking Lot	181.00	Space	1.63	72,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.6	Precipitation Freq (Days)	55
Climate Zone	4			Operational Year	2025
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Anticipated construction schedule

Demolition -

Grading - Estimated clearing, grubbing, material removal

Vehicle Trips - Estimated trip generation for transit center

Construction Off-road Equipment Mitigation - MBARD construction dust control measures

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	65.00
tblConstructionPhase	NumDays	20.00	32.00
tblConstructionPhase	NumDays	35.00	45.00
tblConstructionPhase	NumDays	20.00	325.00
tblConstructionPhase	NumDays	10.00	63.00
tblGrading	MaterialExported	0.00	5,000.00
tblGrading	MaterialExported	0.00	76,815.00
tblVehicleTrips	CC_TTP	0.00	48.00
tblVehicleTrips	CNW_TTP	0.00	19.00
tblVehicleTrips	CW_TTP	0.00	33.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	0.00	1.00
tblVehicleTrips	SU_TR	0.00	1.00
tblVehicleTrips	WD_TR	0.00	1.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	4.3972	71.6740	30.4767	0.1586	21.1353	1.7501	22.8854	10.7381	1.6151	12.3532	0.0000	16,457.0927	16,457.0927	1.9952	0.0000	16,499.4319

2023	8.6201	11.8283	19.3479	0.0335	0.8543	0.5877	1.4420	0.2266	0.5463	0.7730	0.0000	3,262.5725	3,262.5725	0.7573	0.0000	3,281.5041
Maximum	8.6201	71.6740	30.4767	0.1586	21.1353	1.7501	22.8854	10.7381	1.6151	12.3532	0.0000	16,457.0927	16,457.0927	1.9952	0.0000	16,499.4319

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					
2022	4.3972	71.6740	30.4767	0.1586	10.5140	1.7501	12.2641	4.9985	1.6151	6.6136	0.0000	16,457.0927	16,457.0927	1.9952	0.0000	16,499.4319
2023	8.6201	11.8283	19.3479	0.0335	0.8098	0.5877	1.3975	0.2157	0.5463	0.7620	0.0000	3,262.5725	3,262.5725	0.7573	0.0000	3,281.5041
Maximum	8.6201	71.6740	30.4767	0.1586	10.5140	1.7501	12.2641	4.9985	1.6151	6.6136	0.0000	16,457.0927	16,457.0927	1.9952	0.0000	16,499.4319

	ROG	NOx	CO	SO2	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	48.50	0.00	43.84	52.45	0.00	43.81	0.00	0.00	0.00	0.00	0.00	0.00

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	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mobile	0.3222	1.4344	3.9892	0.0126	1.1251	0.0104	1.1355	0.3013	9.7000e-003	0.3110		1,272.3467	1,272.3467	0.0576		1,273.7858
Total	0.8298	1.4355	4.1082	0.0126	1.1251	0.0108	1.1360	0.3013	0.0101	0.3114		1,272.6024	1,272.6024	0.0582	0.0000	1,274.0582

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	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.3222	1.4344	3.9892	0.0126	1.1251	0.0104	1.1355	0.3013	9.7000e-003	0.3110		1,272.3467	1,272.3467	0.0576		1,273.7858
Total	0.8298	1.4355	4.1082	0.0126	1.1251	0.0108	1.1360	0.3013	0.0101	0.3114		1,272.6024	1,272.6024	0.0582	0.0000	1,274.0582

	ROG	NOx	CO	SO2	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	Demolition	Demolition	1/1/2022	2/15/2022	5	32	
2	Site Preparation	Site Preparation	2/16/2022	5/13/2022	5	63	
3	Grading	Grading	5/14/2022	7/15/2022	5	45	
4	Paving	Paving	7/16/2022	10/13/2023	5	325	
5	Architectural Coating	Architectural Coating	9/30/2023	12/29/2023	5	65	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 24.3

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 63,599

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
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
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
Demolition	6	15.00	0.00	845.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	9,602.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	625.00	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	89.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
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3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Demolition - 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					
Fugitive Dust					5.9775	0.0000	5.9775	0.9052	0.0000	0.9052			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	5.9775	1.2427	7.2201	0.9052	1.1553	2.0605		3,746.7812	3,746.7812	1.0524		3,773.0920

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	0.1998	6.6748	1.5403	0.0207	0.4608	0.0236	0.4844	0.1262	0.0226	0.1488		2,188.5559	2,188.5559	0.0860		2,190.7054

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	0.0617	0.0537	0.4688	1.1600e-003	0.1232	9.9000e-004	0.1242	0.0327	9.1000e-004	0.0336		115.8605	115.8605	4.2900e-003		115.9677
Total	0.2614	6.7285	2.0091	0.0218	0.5840	0.0246	0.6086	0.1589	0.0235	0.1824		2,304.4164	2,304.4164	0.0903		2,306.6731

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					2.5554	0.0000	2.5554	0.3870	0.0000	0.3870			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	2.5554	1.2427	3.7980	0.3870	1.1553	1.5423	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

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	0.1998	6.6748	1.5403	0.0207	0.4398	0.0236	0.4635	0.1211	0.0226	0.1437		2,188.5559	2,188.5559	0.0860		2,190.7054
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	0.0617	0.0537	0.4688	1.1600e-003	0.1168	9.9000e-004	0.1178	0.0311	9.1000e-004	0.0320		115.8605	115.8605	4.2900e-003		115.9677
Total	0.2614	6.7285	2.0091	0.0218	0.5566	0.0246	0.5813	0.1522	0.0235	0.1757		2,304.4164	2,304.4164	0.0903		2,306.6731

3.3 Site Preparation - 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					
Fugitive Dust					18.3278	0.0000	18.3278	9.9703	0.0000	9.9703			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.3278	1.6126	19.9404	9.9703	1.4836	11.4539		3,686.0619	3,686.0619	1.1922		3,715.8655

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	1.1530	38.5260	8.8906	0.1192	2.6596	0.1363	2.7959	0.7286	0.1304	0.8590		12,631.9983	12,631.9983	0.4963		12,644.4051
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	0.0740	0.0644	0.5625	1.4000e-003	0.1479	1.1900e-003	0.1491	0.0392	1.1000e-003	0.0403		139.0326	139.0326	5.1500e-003		139.1613
Total	1.2270	38.5904	9.4531	0.1206	2.8075	0.1375	2.9450	0.7678	0.1315	0.8993		12,771.0309	12,771.0309	0.5014		12,783.5664

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.8351	0.0000	7.8351	4.2623	0.0000	4.2623			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	7.8351	1.6126	9.4477	4.2623	1.4836	5.7459	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

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	1.1530	38.5260	8.8906	0.1192	2.5387	0.1363	2.6750	0.6989	0.1304	0.8293		12,631.9983	12,631.9983	0.4963		12,644.4051
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	0.0740	0.0644	0.5625	1.4000e-003	0.1402	1.1900e-003	0.1414	0.0373	1.1000e-003	0.0384		139.0326	139.0326	5.1500e-003		139.1613
Total	1.2270	38.5904	9.4531	0.1206	2.6788	0.1375	2.8164	0.7362	0.1315	0.8678		12,771.0309	12,771.0309	0.5014		12,783.5664

3.4 Grading - 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					
Fugitive Dust					8.6972	0.0000	8.6972	3.6001	0.0000	3.6001			0.0000			0.0000

Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6972	1.6349	10.3321	3.6001	1.5041	5.1042		6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.1051	3.5108	0.8102	0.0109	0.2424	0.0124	0.2548	0.0664	0.0119	0.0783		1,151.1142	1,151.1142	0.0452		1,152.2448
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	0.0822	0.0716	0.6250	1.5500e-003	0.1643	1.3200e-003	0.1656	0.0436	1.2200e-003	0.0448		154.4807	154.4807	5.7200e-003		154.6236
Total	0.1873	3.5824	1.4352	0.0124	0.4067	0.0137	0.4204	0.1100	0.0131	0.1231		1,305.5949	1,305.5949	0.0509		1,306.8684

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					3.7180	0.0000	3.7180	1.5391	0.0000	1.5391			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	3.7180	1.6349	5.3529	1.5391	1.5041	3.0432	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

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	0.1051	3.5108	0.8102	0.0109	0.2313	0.0124	0.2438	0.0637	0.0119	0.0756		1,151.1142	1,151.1142	0.0452		1,152.2448
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	0.0822	0.0716	0.6250	1.5500e-003	0.1557	1.3200e-003	0.1571	0.0415	1.2200e-003	0.0427		154.4807	154.4807	5.7200e-003		154.6236
Total	0.1873	3.5824	1.4352	0.0124	0.3871	0.0137	0.4008	0.1052	0.0131	0.1183		1,305.5949	1,305.5949	0.0509		1,306.8684

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	0.1959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2987	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

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
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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	0.0617	0.0537	0.4688	1.1600e-003	0.1232	9.9000e-004	0.1242	0.0327	9.1000e-004	0.0336		115.8605	115.8605	4.2900e-003		115.9677
Total	0.0617	0.0537	0.4688	1.1600e-003	0.1232	9.9000e-004	0.1242	0.0327	9.1000e-004	0.0336		115.8605	115.8605	4.2900e-003		115.9677

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	0.1959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2987	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

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	0.0617	0.0537	0.4688	1.1600e-003	0.1168	9.9000e-004	0.1178	0.0311	9.1000e-004	0.0320		115.8605	115.8605	4.2900e-003		115.9677
Total	0.0617	0.0537	0.4688	1.1600e-003	0.1168	9.9000e-004	0.1178	0.0311	9.1000e-004	0.0320		115.8605	115.8605	4.2900e-003		115.9677

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2286	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0573	0.0481	0.4259	1.1200e-003	0.1232	9.6000e-004	0.1242	0.0327	8.9000e-004	0.0336		111.5683	111.5683	3.8100e-003		111.6637
Total	0.0573	0.0481	0.4259	1.1200e-003	0.1232	9.6000e-004	0.1242	0.0327	8.9000e-004	0.0336		111.5683	111.5683	3.8100e-003		111.6637

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.1959					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2286	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

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	0.0573	0.0481	0.4259	1.1200e-003	0.1168	9.6000e-004	0.1178	0.0311	8.9000e-004	0.0320		111.5683	111.5683	3.8100e-003		111.6637
Total	0.0573	0.0481	0.4259	1.1200e-003	0.1168	9.6000e-004	0.1178	0.0311	8.9000e-004	0.0320		111.5683	111.5683	3.8100e-003		111.6637

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day				
Archit. Coating	6.8027					0.0000	0.0000		0.0000	0.0000			0.0000		0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168	281.8690
Total	6.9943	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168	281.8690

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	0.3399	0.2855	2.5267	6.6500e-003	0.7311	5.7000e-003	0.7368	0.1939	5.2500e-003	0.1992		661.9720	661.9720	0.0226		662.5378
Total	0.3399	0.2855	2.5267	6.6500e-003	0.7311	5.7000e-003	0.7368	0.1939	5.2500e-003	0.1992		661.9720	661.9720	0.0226		662.5378

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	6.8027					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Total	6.9943	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
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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	0.3399	0.2855	2.5267	6.6500e-003	0.6930	5.7000e-003	0.6987	0.1846	5.2500e-003	0.1898		661.9720	661.9720	0.0226		662.5378
Total	0.3399	0.2855	2.5267	6.6500e-003	0.6930	5.7000e-003	0.6987	0.1846	5.2500e-003	0.1898		661.9720	661.9720	0.0226		662.5378

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	0.3222	1.4344	3.9892	0.0126	1.1251	0.0104	1.1355	0.3013	9.7000e-003	0.3110		1,272.3467	1,272.3467	0.0576		1,273.7858
Unmitigated	0.3222	1.4344	3.9892	0.0126	1.1251	0.0104	1.1355	0.3013	9.7000e-003	0.3110		1,272.3467	1,272.3467	0.0576		1,273.7858

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	181.00	181.00	181.00	528,785	528,785
Total	181.00	181.00	181.00	528,785	528,785

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
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	33.00	48.00	19.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.556779	0.026713	0.208340	0.120507	0.017899	0.004851	0.020301	0.028598	0.004134	0.002470	0.007487	0.001233	0.000687
Parking Lot	0.556779	0.026713	0.208340	0.120507	0.017899	0.004851	0.020301	0.028598	0.004134	0.002470	0.007487	0.001233	0.000687

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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
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
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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	lb/day										lb/day					
Mitigated	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724
Unmitigated	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724

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	0.1211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3755					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0110	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724
Total	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724

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	0.1211					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3755					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0110	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724
Total	0.5076	1.0800e-003	0.1190	1.0000e-005		4.2000e-004	4.2000e-004		4.2000e-004	4.2000e-004		0.2558	0.2558	6.7000e-004		0.2724

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

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
