

APPENDIX A

Air Quality/Greenhouse Gas Data

Mammoth MACC - Mono County, Winter

Mammoth MACC
Mono County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	125.00	Space	1.13	50,000.00	0
Arena	23.46	1000sqft	7.54	23,464.00	0
City Park	1.18	Acre	1.18	51,400.80	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2020
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

Mammoth MACC - Mono County, Winter

Project Characteristics -

Land Use - Arena = Performing Arts Theatre + New Workshop & Storage Building
City Park = Outdoor Amphitheater

Construction Phase - Per construction questionnaire

Off-road Equipment -

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Demolition -

Grading - Per construction questionnaire

Vehicle Trips - Per traffic study

Construction Off-road Equipment Mitigation - GBUAPCD standard mitigation

Area Mitigation -

Energy Mitigation -

Waste Mitigation -

Mammoth MACC - Mono County, Winter

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	230.00	352.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	44.00
tblGrading	MaterialImported	0.00	1,330.00
tblLandUse	LandUseSquareFeet	23,460.00	23,464.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	20.00	5.00
tblTripsAndVMT	WorkerTripNumber	20.00	5.00
tblVehicleTrips	ST_TR	10.71	10.02
tblVehicleTrips	ST_TR	22.75	262.71
tblVehicleTrips	SU_TR	10.71	10.02
tblVehicleTrips	SU_TR	16.74	262.71
tblVehicleTrips	WD_TR	10.71	10.02
tblVehicleTrips	WD_TR	1.89	262.71

Mammoth MACC - Mono County, Winter

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					
2019	9.1465	91.9017	65.5134	0.1174	7.2567	4.5235	10.9125	3.5575	4.1883	6.9475	0.0000	11,585.18 87	11,585.18 87	3.1634	0.0000	11,664.27 39
2020	31.2765	85.1523	64.4704	0.1172	0.7517	4.1157	4.8675	0.2025	3.8096	4.0121	0.0000	11,354.62 04	11,354.62 04	3.1494	0.0000	11,433.35 63
Maximum	31.2765	91.9017	65.5134	0.1174	7.2567	4.5235	10.9125	3.5575	4.1883	6.9475	0.0000	11,585.18 87	11,585.18 87	3.1634	0.0000	11,664.27 39

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					
2019	9.1465	91.9017	65.5134	0.1174	3.3523	4.5235	7.0080	1.5921	4.1883	4.9821	0.0000	11,585.18 87	11,585.18 87	3.1634	0.0000	11,664.27 39
2020	31.2765	85.1523	64.4704	0.1172	0.5874	4.1157	4.7032	0.1622	3.8096	3.9717	0.0000	11,354.62 04	11,354.62 04	3.1494	0.0000	11,433.35 63
Maximum	31.2765	91.9017	65.5134	0.1174	3.3523	4.5235	7.0080	1.5921	4.1883	4.9821	0.0000	11,585.18 87	11,585.18 87	3.1634	0.0000	11,664.27 39

Mammoth MACC - Mono County, 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	50.81	0.00	25.78	53.34	0.00	18.30	0.00	0.00	0.00	0.00	0.00	0.00

Mammoth MACC - Mono County, 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	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349
Energy	2.4300e-003	0.0221	0.0186	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5459	26.5459	5.1000e-004	4.9000e-004	26.7036
Mobile	1.3885	7.7730	12.8437	0.0356	2.3857	0.0391	2.4248	0.6388	0.0368	0.6756		3,609.0970	3,609.0970	0.2510		3,615.3716
Total	2.0734	7.7952	12.8776	0.0358	2.3857	0.0408	2.4265	0.6388	0.0386	0.6774		3,635.6757	3,635.6757	0.2516	4.9000e-004	3,642.1102

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	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349
Energy	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1258	24.1258	4.6000e-004	4.4000e-004	24.2691
Mobile	1.3885	7.7730	12.8437	0.0356	2.3857	0.0391	2.4248	0.6388	0.0368	0.6756		3,609.0970	3,609.0970	0.2510		3,615.3716
Total	2.0732	7.7932	12.8759	0.0358	2.3857	0.0407	2.4264	0.6388	0.0384	0.6772		3,633.2555	3,633.2555	0.2515	4.4000e-004	3,639.6757

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.01	0.03	0.01	0.03	0.00	0.37	0.01	0.00	0.39	0.02	0.00	0.07	0.07	0.02	10.20	0.07

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	4/1/2019	4/15/2019	5	11	
2	Grading	Grading	4/16/2019	8/15/2019	5	88	
3	Building Construction	Building Construction	6/1/2019	10/6/2020	5	352	
4	Paving 1	Paving	8/16/2019	10/16/2019	5	44	
5	Architectural Coating	Architectural Coating	6/1/2020	6/30/2020	5	22	
6	Paving 2	Paving	7/1/2020	8/31/2020	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 44

Acres of Paving: 1.13

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 35,196; Non-Residential Outdoor: 11,732; Striped Parking Area: 3,000 (Architectural Coating – sqft)

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	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
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	Graders	1	8.00	187	0.41
Building Construction	Other Construction Equipment	2	8.00	172	0.42
Building Construction	Pavers	1	7.00	130	0.42
Building Construction	Rubber Tired Loaders	1	8.00	203	0.36
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving 1	Graders	1	8.00	187	0.41
Paving 1	Other Construction Equipment	5	8.00	172	0.42
Paving 1	Pavers	1	8.00	130	0.42
Paving 1	Paving Equipment	1	8.00	132	0.36
Paving 1	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving 2	Graders	1	8.00	187	0.41
Paving 2	Other Construction Equipment	5	8.00	172	0.42
Paving 2	Pavers	1	8.00	130	0.42
Paving 2	Paving Equipment	1	8.00	132	0.36
Paving 2	Rollers	1	8.00	80	0.38

Trips and VMT

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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	8	5.00	0.00	89.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	8	5.00	0.00	89.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	166.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	52.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving 1	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving 2	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7508	0.0000	1.7508	0.2651	0.0000	0.2651			0.0000			0.0000
Off-Road	4.4561	45.3099	28.3595	0.0551		2.2124	2.2124		2.0538	2.0538		5,432.1728	5,432.1728	1.5729		5,471.4949
Total	4.4561	45.3099	28.3595	0.0551	1.7508	2.2124	3.9632	0.2651	2.0538	2.3188		5,432.1728	5,432.1728	1.5729		5,471.4949

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	0.1552	5.0237	0.9106	0.0135	0.4977	0.0195	0.5172	0.1304	0.0187	0.1490		1,411.3958	1,411.3958	0.0713		1,413.1788
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	0.0726	0.0462	0.4147	8.1000e-004	0.1535	6.5000e-004	0.1542	0.0393	6.0000e-004	0.0399		80.6030	80.6030	3.8900e-003		80.7003
Total	0.2278	5.0699	1.3253	0.0143	0.6512	0.0202	0.6714	0.1697	0.0193	0.1889		1,491.9987	1,491.9987	0.0752		1,493.8792

Mammoth MACC - Mono County, Winter

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7485	0.0000	0.7485	0.1133	0.0000	0.1133			0.0000			0.0000
Off-Road	4.4561	45.3099	28.3595	0.0551		2.2124	2.2124		2.0538	2.0538	0.0000	5,432.1728	5,432.1728	1.5729		5,471.4949
Total	4.4561	45.3099	28.3595	0.0551	0.7485	2.2124	2.9609	0.1133	2.0538	2.1671	0.0000	5,432.1728	5,432.1728	1.5729		5,471.4949

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	0.1552	5.0237	0.9106	0.0135	0.3865	0.0195	0.4059	0.1031	0.0187	0.1217		1,411.3958	1,411.3958	0.0713		1,413.1788
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	0.0726	0.0462	0.4147	8.1000e-004	0.1164	6.5000e-004	0.1171	0.0302	6.0000e-004	0.0308		80.6030	80.6030	3.8900e-003		80.7003
Total	0.2278	5.0699	1.3253	0.0143	0.5029	0.0202	0.5230	0.1333	0.0193	0.1525		1,491.9987	1,491.9987	0.0752		1,493.8792

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3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5541	0.0000	6.5541	3.3677	0.0000	3.3677			0.0000			0.0000
Off-Road	2.3477	26.0106	13.9907	0.0265		1.2413	1.2413		1.1420	1.1420		2,629.2649	2,629.2649	0.8319		2,650.0617
Total	2.3477	26.0106	13.9907	0.0265	6.5541	1.2413	7.7954	3.3677	1.1420	4.5098		2,629.2649	2,629.2649	0.8319		2,650.0617

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	0.0181	0.5856	0.1062	1.5700e-003	0.0331	2.2700e-003	0.0354	9.0700e-003	2.1700e-003	0.0113		164.5307	164.5307	8.3100e-003		164.7385
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	0.0944	0.0600	0.5392	1.0500e-003	0.1068	8.5000e-004	0.1076	0.0283	7.8000e-004	0.0291		104.7838	104.7838	5.0600e-003		104.9104
Total	0.1125	0.6457	0.6453	2.6200e-003	0.1399	3.1200e-003	0.1430	0.0374	2.9500e-003	0.0404		269.3145	269.3145	0.0134		269.6490

Mammoth MACC - Mono County, Winter

3.3 Grading - 2019

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					2.8019	0.0000	2.8019	1.4397	0.0000	1.4397			0.0000			0.0000
Off-Road	2.3477	26.0106	13.9907	0.0265		1.2413	1.2413		1.1420	1.1420	0.0000	2,629.2649	2,629.2649	0.8319		2,650.0617
Total	2.3477	26.0106	13.9907	0.0265	2.8019	1.2413	4.0432	1.4397	1.1420	2.5817	0.0000	2,629.2649	2,629.2649	0.8319		2,650.0617

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	0.0181	0.5856	0.1062	1.5700e-003	0.0266	2.2700e-003	0.0289	7.4800e-003	2.1700e-003	9.6600e-003		164.5307	164.5307	8.3100e-003		164.7385
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	0.0944	0.0600	0.5392	1.0500e-003	0.0827	8.5000e-004	0.0835	0.0224	7.8000e-004	0.0232		104.7838	104.7838	5.0600e-003		104.9104
Total	0.1125	0.6457	0.6453	2.6200e-003	0.1093	3.1200e-003	0.1124	0.0299	2.9500e-003	0.0328		269.3145	269.3145	0.0134		269.6490

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3.4 Building Construction - 2019

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	4.5484	46.5152	31.5170	0.0563		2.3916	2.3916		2.2264	2.2264		5,499.6066	5,499.6066	1.5514		5,538.3917
Total	4.5484	46.5152	31.5170	0.0563		2.3916	2.3916		2.2264	2.2264		5,499.6066	5,499.6066	1.5514		5,538.3917

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	0.1472	2.5977	0.9719	6.0900e-003	0.1356	0.0163	0.1519	0.0391	0.0156	0.0546		634.2244	634.2244	0.0493		635.4572
Worker	0.3776	0.2401	2.1566	4.2200e-003	0.4272	3.3900e-003	0.4306	0.1133	3.1200e-003	0.1164		419.1354	419.1354	0.0203		419.6416
Total	0.5248	2.8378	3.1285	0.0103	0.5628	0.0197	0.5825	0.1524	0.0187	0.1711		1,053.3598	1,053.3598	0.0696		1,055.0988

Mammoth MACC - Mono County, Winter

3.4 Building Construction - 2019

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	4.5484	46.5152	31.5170	0.0563		2.3916	2.3916		2.2264	2.2264	0.0000	5,499.6066	5,499.6066	1.5514		5,538.3917
Total	4.5484	46.5152	31.5170	0.0563		2.3916	2.3916		2.2264	2.2264	0.0000	5,499.6066	5,499.6066	1.5514		5,538.3917

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	0.1472	2.5977	0.9719	6.0900e-003	0.1105	0.0163	0.1268	0.0329	0.0156	0.0485		634.2244	634.2244	0.0493		635.4572
Worker	0.3776	0.2401	2.1566	4.2200e-003	0.3306	3.3900e-003	0.3340	0.0896	3.1200e-003	0.0927		419.1354	419.1354	0.0203		419.6416
Total	0.5248	2.8378	3.1285	0.0103	0.4412	0.0197	0.4609	0.1225	0.0187	0.1412		1,053.3598	1,053.3598	0.0696		1,055.0988

Mammoth MACC - Mono County, Winter

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	4.1876	42.8584	31.0785	0.0563		2.1381	2.1381		1.9897	1.9897		5,396.9129	5,396.9129	1.5426		5,435.4783
Total	4.1876	42.8584	31.0785	0.0563		2.1381	2.1381		1.9897	1.9897		5,396.9129	5,396.9129	1.5426		5,435.4783

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	0.1284	2.4323	0.8477	6.0600e-003	0.1356	0.0121	0.1477	0.0391	0.0116	0.0506		631.1792	631.1792	0.0479		632.3762
Worker	0.3531	0.2133	1.9367	4.0900e-003	0.4272	3.2800e-003	0.4304	0.1133	3.0200e-003	0.1163		406.2396	406.2396	0.0178		406.6856
Total	0.4815	2.6456	2.7845	0.0102	0.5628	0.0154	0.5782	0.1524	0.0146	0.1670		1,037.4188	1,037.4188	0.0657		1,039.0618

Mammoth MACC - Mono County, Winter

3.4 Building Construction - 2020

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	4.1876	42.8584	31.0785	0.0563		2.1381	2.1381		1.9897	1.9897	0.0000	5,396.9129	5,396.9129	1.5426		5,435.4783
Total	4.1876	42.8584	31.0785	0.0563		2.1381	2.1381		1.9897	1.9897	0.0000	5,396.9129	5,396.9129	1.5426		5,435.4783

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	0.1284	2.4323	0.8477	6.0600e-003	0.1105	0.0121	0.1226	0.0329	0.0116	0.0445		631.1792	631.1792	0.0479		632.3762
Worker	0.3531	0.2133	1.9367	4.0900e-003	0.3306	3.2800e-003	0.3339	0.0896	3.0200e-003	0.0926		406.2396	406.2396	0.0178		406.6856
Total	0.4815	2.6456	2.7845	0.0102	0.4412	0.0154	0.4566	0.1225	0.0146	0.1371		1,037.4188	1,037.4188	0.0657		1,039.0618

Mammoth MACC - Mono County, Winter

3.5 Paving 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8389	42.4426	29.9140	0.0489		2.1107	2.1107		1.9419	1.9419		4,846.8355	4,846.8355	1.5335		4,885.1727
Paving	0.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9062	42.4426	29.9140	0.0489		2.1107	2.1107		1.9419	1.9419		4,846.8355	4,846.8355	1.5335		4,885.1727

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	0.1670	0.1062	0.9539	1.8700e-003	0.1889	1.5000e-003	0.1904	0.0501	1.3800e-003	0.0515		185.3868	185.3868	8.9600e-003		185.6107
Total	0.1670	0.1062	0.9539	1.8700e-003	0.1889	1.5000e-003	0.1904	0.0501	1.3800e-003	0.0515		185.3868	185.3868	8.9600e-003		185.6107

Mammoth MACC - Mono County, Winter

3.5 Paving 1 - 2019

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	3.8389	42.4426	29.9140	0.0489		2.1107	2.1107		1.9419	1.9419	0.0000	4,846.8355	4,846.8355	1.5335		4,885.1727
Paving	0.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9062	42.4426	29.9140	0.0489		2.1107	2.1107		1.9419	1.9419	0.0000	4,846.8355	4,846.8355	1.5335		4,885.1727

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	0.1670	0.1062	0.9539	1.8700e-003	0.1463	1.5000e-003	0.1477	0.0396	1.3800e-003	0.0410		185.3868	185.3868	8.9600e-003		185.6107
Total	0.1670	0.1062	0.9539	1.8700e-003	0.1463	1.5000e-003	0.1477	0.0396	1.3800e-003	0.0410		185.3868	185.3868	8.9600e-003		185.6107

Mammoth MACC - Mono County, Winter

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	lb/day										lb/day					
Archit. Coating	26.2973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	26.5395	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

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	0.0679	0.0410	0.3725	7.9000e-004	0.0822	6.3000e-004	0.0828	0.0218	5.8000e-004	0.0224		78.1230	78.1230	3.4300e-003		78.2088
Total	0.0679	0.0410	0.3725	7.9000e-004	0.0822	6.3000e-004	0.0828	0.0218	5.8000e-004	0.0224		78.1230	78.1230	3.4300e-003		78.2088

Mammoth MACC - Mono County, Winter

3.6 Architectural Coating - 2020

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	26.2973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	26.5395	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

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	0.0679	0.0410	0.3725	7.9000e-004	0.0636	6.3000e-004	0.0642	0.0172	5.8000e-004	0.0178		78.1230	78.1230	3.4300e-003		78.2088
Total	0.0679	0.0410	0.3725	7.9000e-004	0.0636	6.3000e-004	0.0642	0.0172	5.8000e-004	0.0178		78.1230	78.1230	3.4300e-003		78.2088

Mammoth MACC - Mono County, Winter

3.7 Paving 2 - 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	3.6242	39.5539	29.7508	0.0489		1.9608	1.9608		1.8040	1.8040		4,740.6058	4,740.6058	1.5332		4,778.9360
Paving	0.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.6915	39.5539	29.7508	0.0489		1.9608	1.9608		1.8040	1.8040		4,740.6058	4,740.6058	1.5332		4,778.9360

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	0.1562	0.0943	0.8566	1.8100e-003	0.1889	1.4500e-003	0.1904	0.0501	1.3400e-003	0.0515		179.6829	179.6829	7.8900e-003		179.8802
Total	0.1562	0.0943	0.8566	1.8100e-003	0.1889	1.4500e-003	0.1904	0.0501	1.3400e-003	0.0515		179.6829	179.6829	7.8900e-003		179.8802

Mammoth MACC - Mono County, Winter

3.7 Paving 2 - 2020

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	3.6242	39.5539	29.7508	0.0489		1.9608	1.9608		1.8040	1.8040	0.0000	4,740.6058	4,740.6058	1.5332		4,778.9360
Paving	0.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.6915	39.5539	29.7508	0.0489		1.9608	1.9608		1.8040	1.8040	0.0000	4,740.6058	4,740.6058	1.5332		4,778.9360

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	0.1562	0.0943	0.8566	1.8100e-003	0.1463	1.4500e-003	0.1477	0.0396	1.3400e-003	0.0410		179.6829	179.6829	7.8900e-003		179.8802
Total	0.1562	0.0943	0.8566	1.8100e-003	0.1463	1.4500e-003	0.1477	0.0396	1.3400e-003	0.0410		179.6829	179.6829	7.8900e-003		179.8802

4.0 Operational Detail - Mobile

Mammoth MACC - Mono County, Winter

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	1.3885	7.7730	12.8437	0.0356	2.3857	0.0391	2.4248	0.6388	0.0368	0.6756		3,609.0970	3,609.0970	0.2510		3,615.3716
Unmitigated	1.3885	7.7730	12.8437	0.0356	2.3857	0.0391	2.4248	0.6388	0.0368	0.6756		3,609.0970	3,609.0970	0.2510		3,615.3716

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	235.07	235.07	235.07	456,490	456,490
City Park	310.00	310.00	310.00	661,800	661,800
Parking Lot	0.00	0.00	0.00		
Total	545.07	545.07	545.07	1,118,290	1,118,290

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
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

Mammoth MACC - Mono County, Winter

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.508156	0.040430	0.198608	0.131923	0.032190	0.007449	0.008178	0.057213	0.006204	0.001372	0.005718	0.001007	0.001552
City Park	0.508156	0.040430	0.198608	0.131923	0.032190	0.007449	0.008178	0.057213	0.006204	0.001372	0.005718	0.001007	0.001552
Parking Lot	0.508156	0.040430	0.198608	0.131923	0.032190	0.007449	0.008178	0.057213	0.006204	0.001372	0.005718	0.001007	0.001552

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1258	24.1258	4.6000e-004	4.4000e-004	24.2691
NaturalGas Unmitigated	2.4300e-003	0.0221	0.0186	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5459	26.5459	5.1000e-004	4.9000e-004	26.7036

Mammoth MACC - Mono County, Winter

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					
Arena	225.64	2.4300e-003	0.0221	0.0186	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5459	26.5459	5.1000e-004	4.9000e-004	26.7036
City Park	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		2.4300e-003	0.0221	0.0186	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5459	26.5459	5.1000e-004	4.9000e-004	26.7036

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					
Arena	0.205069	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1258	24.1258	4.6000e-004	4.4000e-004	24.2691
City Park	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		2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1258	24.1258	4.6000e-004	4.4000e-004	24.2691

6.0 Area Detail

Mammoth MACC - Mono County, Winter

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349
Unmitigated	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349

Mammoth MACC - Mono County, Winter

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	0.1585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5225					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4500e-003	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349
Total	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349

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	0.1585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5225					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4500e-003	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349
Total	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349

7.0 Water Detail

Mammoth MACC - Mono County, Winter

7.1 Mitigation Measures Water**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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
----------------	--------

11.0 Vegetation

Mammoth MACC - Mono County, Annual

Mammoth MACC
Mono County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	125.00	Space	1.13	50,000.00	0
Arena	23.46	1000sqft	7.54	23,464.00	0
City Park	1.18	Acre	1.18	51,400.80	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2020
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

Mammoth MACC - Mono County, Annual

Project Characteristics -

Land Use - Arena = Performing Arts Theatre + New Workshop & Storage Building
City Park = Outdoor Amphitheater

Construction Phase - Per construction questionnaire

Off-road Equipment -

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Demolition -

Grading - Per construction questionnaire

Vehicle Trips - Per traffic study

Construction Off-road Equipment Mitigation - GBUAPCD standard mitigation

Area Mitigation -

Energy Mitigation -

Waste Mitigation -

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Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	230.00	352.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	44.00
tblGrading	MaterialImported	0.00	1,330.00
tblLandUse	LandUseSquareFeet	23,460.00	23,464.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	20.00	5.00
tblTripsAndVMT	WorkerTripNumber	20.00	5.00
tblVehicleTrips	ST_TR	10.71	10.02
tblVehicleTrips	ST_TR	22.75	262.71
tblVehicleTrips	SU_TR	10.71	10.02
tblVehicleTrips	SU_TR	16.74	262.71
tblVehicleTrips	WD_TR	10.71	10.02
tblVehicleTrips	WD_TR	1.89	262.71

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.6044	6.1461	4.1475	7.8600e-003	0.3529	0.2967	0.6497	0.1645	0.2751	0.4396	0.0000	703.5871	703.5871	0.1845	0.0000	708.2002
2020	0.8389	5.4511	4.1120	7.8100e-003	0.0595	0.2597	0.3192	0.0161	0.2414	0.2575	0.0000	686.7007	686.7007	0.1769	0.0000	691.1222
Maximum	0.8389	6.1461	4.1475	7.8600e-003	0.3529	0.2967	0.6497	0.1645	0.2751	0.4396	0.0000	703.5871	703.5871	0.1845	0.0000	708.2002

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.6044	6.1461	4.1475	7.8600e-003	0.1704	0.2967	0.4672	0.0759	0.2751	0.3510	0.0000	703.5864	703.5864	0.1845	0.0000	708.1995
2020	0.8389	5.4511	4.1120	7.8100e-003	0.0466	0.2597	0.3064	0.0130	0.2414	0.2543	0.0000	686.7000	686.7000	0.1769	0.0000	691.1215
Maximum	0.8389	6.1461	4.1475	7.8600e-003	0.1704	0.2967	0.4672	0.0759	0.2751	0.3510	0.0000	703.5864	703.5864	0.1845	0.0000	708.1995

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	47.37	0.00	20.16	50.80	0.00	13.16	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2019	6-30-2019	1.6678	1.6678
2	7-1-2019	9-30-2019	3.0304	3.0304
3	10-1-2019	12-31-2019	2.0547	2.0547
4	1-1-2020	3-31-2020	1.6306	1.6306
5	4-1-2020	6-30-2020	1.9328	1.9328
6	7-1-2020	9-30-2020	2.6097	2.6097
		Highest	3.0304	3.0304

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1244	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003
Energy	4.4000e-004	4.0400e-003	3.3900e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	41.9687	41.9687	1.6400e-003	4.0000e-004	42.1292
Mobile	0.2351	1.4744	2.6139	6.5500e-003	0.4205	6.9900e-003	0.4275	0.1129	6.5900e-003	0.1195	0.0000	601.5126	601.5126	0.0417	0.0000	602.5541
Waste						0.0000	0.0000		0.0000	0.0000	0.1522	0.0000	0.1522	9.0000e-003	0.0000	0.3772
Water						0.0000	0.0000		0.0000	0.0000	3.2061	19.7104	22.9165	0.3301	7.9400e-003	33.5366
Total	0.3600	1.4784	2.6186	6.5700e-003	0.4205	7.3000e-003	0.4278	0.1129	6.9000e-003	0.1198	3.3584	663.1943	666.5527	0.3824	8.3400e-003	678.6000

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1244	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003
Energy	4.0000e-004	3.6700e-003	3.0800e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	41.1045	41.1045	1.6100e-003	3.9000e-004	41.2610
Mobile	0.2351	1.4744	2.6139	6.5500e-003	0.4205	6.9900e-003	0.4275	0.1129	6.5900e-003	0.1195	0.0000	601.5126	601.5126	0.0417	0.0000	602.5541
Waste						0.0000	0.0000		0.0000	0.0000	0.0761	0.0000	0.0761	4.5000e-003	0.0000	0.1886
Water						0.0000	0.0000		0.0000	0.0000	3.2061	19.7104	22.9165	0.3301	7.9400e-003	33.5366
Total	0.3599	1.4781	2.6183	6.5700e-003	0.4205	7.2700e-003	0.4278	0.1129	6.8700e-003	0.1198	3.2823	662.3301	665.6123	0.3779	8.3300e-003	677.5432

	ROG	NOx	CO	SO2	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	0.01	0.03	0.01	0.00	0.00	0.41	0.01	0.00	0.43	0.03	2.27	0.13	0.14	1.18	0.12	0.16

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	Demolition	Demolition	4/1/2019	4/15/2019	5	11	
2	Grading	Grading	4/16/2019	8/15/2019	5	88	
3	Building Construction	Building Construction	6/1/2019	10/6/2020	5	352	
4	Paving 1	Paving	8/16/2019	10/16/2019	5	44	
5	Architectural Coating	Architectural Coating	6/1/2020	6/30/2020	5	22	
6	Paving 2	Paving	7/1/2020	8/31/2020	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 44

Acres of Paving: 1.13

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 35,196; Non-Residential Outdoor: 11,732; Striped Parking Area: 3,000 (Architectural Coating – sqft)

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	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29

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Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Graders	1	8.00	187	0.41
Building Construction	Other Construction Equipment	2	8.00	172	0.42
Building Construction	Pavers	1	7.00	130	0.42
Building Construction	Rubber Tired Loaders	1	8.00	203	0.36
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving 1	Graders	1	8.00	187	0.41
Paving 1	Other Construction Equipment	5	8.00	172	0.42
Paving 1	Pavers	1	8.00	130	0.42
Paving 1	Paving Equipment	1	8.00	132	0.36
Paving 1	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving 2	Graders	1	8.00	187	0.41
Paving 2	Other Construction Equipment	5	8.00	172	0.42
Paving 2	Pavers	1	8.00	130	0.42
Paving 2	Paving Equipment	1	8.00	132	0.36
Paving 2	Rollers	1	8.00	80	0.38

Trips and VMT

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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	8	5.00	0.00	89.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	8	5.00	0.00	89.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	166.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	52.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving 1	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving 2	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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3.2 Demolition - 2019

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					9.6300e-003	0.0000	9.6300e-003	1.4600e-003	0.0000	1.4600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0245	0.2492	0.1560	3.0000e-004		0.0122	0.0122		0.0113	0.0113	0.0000	27.1039	27.1039	7.8500e-003	0.0000	27.3001
Total	0.0245	0.2492	0.1560	3.0000e-004	9.6300e-003	0.0122	0.0218	1.4600e-003	0.0113	0.0128	0.0000	27.1039	27.1039	7.8500e-003	0.0000	27.3001

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	8.4000e-004	0.0281	4.9400e-003	8.0000e-005	2.6500e-003	1.1000e-004	2.7600e-003	7.0000e-004	1.0000e-004	8.0000e-004	0.0000	7.1611	7.1611	3.5000e-004	0.0000	7.1699
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	3.5000e-004	2.9000e-004	2.5300e-003	0.0000	8.2000e-004	0.0000	8.2000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.4005	0.4005	2.0000e-005	0.0000	0.4010
Total	1.1900e-003	0.0284	7.4700e-003	8.0000e-005	3.4700e-003	1.1000e-004	3.5800e-003	9.1000e-004	1.0000e-004	1.0100e-003	0.0000	7.5616	7.5616	3.7000e-004	0.0000	7.5709

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3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.1200e-003	0.0000	4.1200e-003	6.2000e-004	0.0000	6.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0245	0.2492	0.1560	3.0000e-004		0.0122	0.0122		0.0113	0.0113	0.0000	27.1039	27.1039	7.8500e-003	0.0000	27.3001
Total	0.0245	0.2492	0.1560	3.0000e-004	4.1200e-003	0.0122	0.0163	6.2000e-004	0.0113	0.0119	0.0000	27.1039	27.1039	7.8500e-003	0.0000	27.3001

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	8.4000e-004	0.0281	4.9400e-003	8.0000e-005	2.0600e-003	1.1000e-004	2.1700e-003	5.5000e-004	1.0000e-004	6.5000e-004	0.0000	7.1611	7.1611	3.5000e-004	0.0000	7.1699
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	3.5000e-004	2.9000e-004	2.5300e-003	0.0000	6.2000e-004	0.0000	6.2000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4005	0.4005	2.0000e-005	0.0000	0.4010
Total	1.1900e-003	0.0284	7.4700e-003	8.0000e-005	2.6800e-003	1.1000e-004	2.7900e-003	7.1000e-004	1.0000e-004	8.1000e-004	0.0000	7.5616	7.5616	3.7000e-004	0.0000	7.5709

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3.3 Grading - 2019

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					0.2884	0.0000	0.2884	0.1482	0.0000	0.1482	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1033	1.1445	0.6156	1.1700e-003		0.0546	0.0546		0.0503	0.0503	0.0000	104.9501	104.9501	0.0332	0.0000	105.7802
Total	0.1033	1.1445	0.6156	1.1700e-003	0.2884	0.0546	0.3430	0.1482	0.0503	0.1984	0.0000	104.9501	104.9501	0.0332	0.0000	105.7802

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	7.8000e-004	0.0262	4.6100e-003	7.0000e-005	1.4100e-003	1.0000e-004	1.5100e-003	3.9000e-004	9.0000e-005	4.8000e-004	0.0000	6.6783	6.6783	3.3000e-004	0.0000	6.6865
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	3.6400e-003	3.0500e-003	0.0263	5.0000e-005	4.5500e-003	4.0000e-005	4.5900e-003	1.2100e-003	3.0000e-005	1.2400e-003	0.0000	4.1655	4.1655	2.1000e-004	0.0000	4.1708
Total	4.4200e-003	0.0293	0.0309	1.2000e-004	5.9600e-003	1.4000e-004	6.1000e-003	1.6000e-003	1.2000e-004	1.7200e-003	0.0000	10.8439	10.8439	5.4000e-004	0.0000	10.8573

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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					0.1233	0.0000	0.1233	0.0634	0.0000	0.0634	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1033	1.1445	0.6156	1.1700e-003		0.0546	0.0546		0.0503	0.0503	0.0000	104.9500	104.9500	0.0332	0.0000	105.7801
Total	0.1033	1.1445	0.6156	1.1700e-003	0.1233	0.0546	0.1779	0.0634	0.0503	0.1136	0.0000	104.9500	104.9500	0.0332	0.0000	105.7801

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	7.8000e-004	0.0262	4.6100e-003	7.0000e-005	1.1400e-003	1.0000e-004	1.2400e-003	3.2000e-004	9.0000e-005	4.2000e-004	0.0000	6.6783	6.6783	3.3000e-004	0.0000	6.6865
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	3.6400e-003	3.0500e-003	0.0263	5.0000e-005	3.5300e-003	4.0000e-005	3.5600e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	4.1655	4.1655	2.1000e-004	0.0000	4.1708
Total	4.4200e-003	0.0293	0.0309	1.2000e-004	4.6700e-003	1.4000e-004	4.8000e-003	1.2800e-003	1.2000e-004	1.4100e-003	0.0000	10.8439	10.8439	5.4000e-004	0.0000	10.8573

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3.4 Building Construction - 2019

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	0.3457	3.5352	2.3953	4.2800e-003		0.1818	0.1818		0.1692	0.1692	0.0000	379.1761	379.1761	0.1070	0.0000	381.8502
Total	0.3457	3.5352	2.3953	4.2800e-003		0.1818	0.1818		0.1692	0.1692	0.0000	379.1761	379.1761	0.1070	0.0000	381.8502

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	0.0110	0.2021	0.0793	4.7000e-004	0.0100	1.2200e-003	0.0113	2.9000e-003	1.1700e-003	4.0700e-003	0.0000	44.7532	44.7532	3.3700e-003	0.0000	44.8373
Worker	0.0251	0.0211	0.1817	3.2000e-004	0.0314	2.6000e-004	0.0317	8.3600e-003	2.4000e-004	8.5900e-003	0.0000	28.7800	28.7800	1.4500e-003	0.0000	28.8161
Total	0.0361	0.2232	0.2609	7.9000e-004	0.0415	1.4800e-003	0.0429	0.0113	1.4100e-003	0.0127	0.0000	73.5332	73.5332	4.8200e-003	0.0000	73.6535

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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	0.3457	3.5352	2.3953	4.2800e-003		0.1818	0.1818		0.1692	0.1692	0.0000	379.1757	379.1757	0.1070	0.0000	381.8497
Total	0.3457	3.5352	2.3953	4.2800e-003		0.1818	0.1818		0.1692	0.1692	0.0000	379.1757	379.1757	0.1070	0.0000	381.8497

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	0.0110	0.2021	0.0793	4.7000e-004	8.2000e-003	1.2200e-003	9.4200e-003	2.4500e-003	1.1700e-003	3.6200e-003	0.0000	44.7532	44.7532	3.3700e-003	0.0000	44.8373
Worker	0.0251	0.0211	0.1817	3.2000e-004	0.0244	2.6000e-004	0.0246	6.6200e-003	2.4000e-004	6.8600e-003	0.0000	28.7800	28.7800	1.4500e-003	0.0000	28.8161
Total	0.0361	0.2232	0.2609	7.9000e-004	0.0326	1.4800e-003	0.0340	9.0700e-003	1.4100e-003	0.0105	0.0000	73.5332	73.5332	4.8200e-003	0.0000	73.6535

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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	0.4188	4.2858	3.1079	5.6300e-003		0.2138	0.2138		0.1990	0.1990	0.0000	489.5997	489.5997	0.1399	0.0000	493.0983
Total	0.4188	4.2858	3.1079	5.6300e-003		0.2138	0.2138		0.1990	0.1990	0.0000	489.5997	489.5997	0.1399	0.0000	493.0983

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	0.0126	0.2490	0.0900	6.2000e-004	0.0132	1.1900e-003	0.0144	3.8200e-003	1.1400e-003	4.9600e-003	0.0000	58.6280	58.6280	4.2300e-003	0.0000	58.7337
Worker	0.0308	0.0246	0.2141	4.1000e-004	0.0413	3.3000e-004	0.0417	0.0110	3.0000e-004	0.0113	0.0000	36.7032	36.7032	1.6700e-003	0.0000	36.7449
Total	0.0434	0.2736	0.3041	1.0300e-003	0.0546	1.5200e-003	0.0561	0.0148	1.4400e-003	0.0163	0.0000	95.3312	95.3312	5.9000e-003	0.0000	95.4787

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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	0.4188	4.2858	3.1079	5.6300e-003		0.2138	0.2138		0.1990	0.1990	0.0000	489.5991	489.5991	0.1399	0.0000	493.0977
Total	0.4188	4.2858	3.1079	5.6300e-003		0.2138	0.2138		0.1990	0.1990	0.0000	489.5991	489.5991	0.1399	0.0000	493.0977

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	0.0126	0.2490	0.0900	6.2000e-004	0.0108	1.1900e-003	0.0120	3.2200e-003	1.1400e-003	4.3600e-003	0.0000	58.6280	58.6280	4.2300e-003	0.0000	58.7337
Worker	0.0308	0.0246	0.2141	4.1000e-004	0.0321	3.3000e-004	0.0324	8.7100e-003	3.0000e-004	9.0100e-003	0.0000	36.7032	36.7032	1.6700e-003	0.0000	36.7449
Total	0.0434	0.2736	0.3041	1.0300e-003	0.0428	1.5200e-003	0.0444	0.0119	1.4400e-003	0.0134	0.0000	95.3312	95.3312	5.9000e-003	0.0000	95.4787

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3.5 Paving 1 - 2019

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	0.0845	0.9337	0.6581	1.0800e-003		0.0464	0.0464		0.0427	0.0427	0.0000	96.7335	96.7335	0.0306	0.0000	97.4986
Paving	1.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0859	0.9337	0.6581	1.0800e-003		0.0464	0.0464		0.0427	0.0427	0.0000	96.7335	96.7335	0.0306	0.0000	97.4986

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	3.2200e-003	2.7000e-003	0.0233	4.0000e-005	4.0200e-003	3.0000e-005	4.0600e-003	1.0700e-003	3.0000e-005	1.1000e-003	0.0000	3.6849	3.6849	1.9000e-004	0.0000	3.6895
Total	3.2200e-003	2.7000e-003	0.0233	4.0000e-005	4.0200e-003	3.0000e-005	4.0600e-003	1.0700e-003	3.0000e-005	1.1000e-003	0.0000	3.6849	3.6849	1.9000e-004	0.0000	3.6895

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3.5 Paving 1 - 2019

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	0.0845	0.9337	0.6581	1.0800e-003		0.0464	0.0464		0.0427	0.0427	0.0000	96.7333	96.7333	0.0306	0.0000	97.4985
Paving	1.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0859	0.9337	0.6581	1.0800e-003		0.0464	0.0464		0.0427	0.0427	0.0000	96.7333	96.7333	0.0306	0.0000	97.4985

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	3.2200e-003	2.7000e-003	0.0233	4.0000e-005	3.1200e-003	3.0000e-005	3.1500e-003	8.5000e-004	3.0000e-005	8.8000e-004	0.0000	3.6849	3.6849	1.9000e-004	0.0000	3.6895
Total	3.2200e-003	2.7000e-003	0.0233	4.0000e-005	3.1200e-003	3.0000e-005	3.1500e-003	8.5000e-004	3.0000e-005	8.8000e-004	0.0000	3.6849	3.6849	1.9000e-004	0.0000	3.6895

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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	0.2893					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0185	0.0202	3.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	2.8086	2.8086	2.2000e-004	0.0000	2.8140
Total	0.2919	0.0185	0.0202	3.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	2.8086	2.8086	2.2000e-004	0.0000	2.8140

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	6.5000e-004	5.2000e-004	4.5300e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7764	0.7764	4.0000e-005	0.0000	0.7773
Total	6.5000e-004	5.2000e-004	4.5300e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7764	0.7764	4.0000e-005	0.0000	0.7773

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3.6 Architectural Coating - 2020

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	0.2893					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6600e-003	0.0185	0.0202	3.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	2.8086	2.8086	2.2000e-004	0.0000	2.8140
Total	0.2919	0.0185	0.0202	3.0000e-005		1.2200e-003	1.2200e-003		1.2200e-003	1.2200e-003	0.0000	2.8086	2.8086	2.2000e-004	0.0000	2.8140

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	6.5000e-004	5.2000e-004	4.5300e-003	1.0000e-005	6.8000e-004	1.0000e-005	6.8000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.7764	0.7764	4.0000e-005	0.0000	0.7773
Total	6.5000e-004	5.2000e-004	4.5300e-003	1.0000e-005	6.8000e-004	1.0000e-005	6.8000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.7764	0.7764	4.0000e-005	0.0000	0.7773

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3.7 Paving 2 - 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	0.0797	0.8702	0.6545	1.0800e-003		0.0431	0.0431		0.0397	0.0397	0.0000	94.6133	94.6133	0.0306	0.0000	95.3783
Paving	1.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0812	0.8702	0.6545	1.0800e-003		0.0431	0.0431		0.0397	0.0397	0.0000	94.6133	94.6133	0.0306	0.0000	95.3783

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9900e-003	2.3900e-003	0.0208	4.0000e-005	4.0200e-003	3.0000e-005	4.0500e-003	1.0700e-003	3.0000e-005	1.1000e-003	0.0000	3.5715	3.5715	1.6000e-004	0.0000	3.5756
Total	2.9900e-003	2.3900e-003	0.0208	4.0000e-005	4.0200e-003	3.0000e-005	4.0500e-003	1.0700e-003	3.0000e-005	1.1000e-003	0.0000	3.5715	3.5715	1.6000e-004	0.0000	3.5756

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3.7 Paving 2 - 2020

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	0.0797	0.8702	0.6545	1.0800e-003		0.0431	0.0431		0.0397	0.0397	0.0000	94.6132	94.6132	0.0306	0.0000	95.3782
Paving	1.4800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0812	0.8702	0.6545	1.0800e-003		0.0431	0.0431		0.0397	0.0397	0.0000	94.6132	94.6132	0.0306	0.0000	95.3782

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9900e-003	2.3900e-003	0.0208	4.0000e-005	3.1200e-003	3.0000e-005	3.1500e-003	8.5000e-004	3.0000e-005	8.8000e-004	0.0000	3.5715	3.5715	1.6000e-004	0.0000	3.5756
Total	2.9900e-003	2.3900e-003	0.0208	4.0000e-005	3.1200e-003	3.0000e-005	3.1500e-003	8.5000e-004	3.0000e-005	8.8000e-004	0.0000	3.5715	3.5715	1.6000e-004	0.0000	3.5756

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2351	1.4744	2.6139	6.5500e-003	0.4205	6.9900e-003	0.4275	0.1129	6.5900e-003	0.1195	0.0000	601.5126	601.5126	0.0417	0.0000	602.5541
Unmitigated	0.2351	1.4744	2.6139	6.5500e-003	0.4205	6.9900e-003	0.4275	0.1129	6.5900e-003	0.1195	0.0000	601.5126	601.5126	0.0417	0.0000	602.5541

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	235.07	235.07	235.07	456,490	456,490
City Park	310.00	310.00	310.00	661,800	661,800
Parking Lot	0.00	0.00	0.00		
Total	545.07	545.07	545.07	1,118,290	1,118,290

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
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.508156	0.040430	0.198608	0.131923	0.032190	0.007449	0.008178	0.057213	0.006204	0.001372	0.005718	0.001007	0.001552
City Park	0.508156	0.040430	0.198608	0.131923	0.032190	0.007449	0.008178	0.057213	0.006204	0.001372	0.005718	0.001007	0.001552
Parking Lot	0.508156	0.040430	0.198608	0.131923	0.032190	0.007449	0.008178	0.057213	0.006204	0.001372	0.005718	0.001007	0.001552

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive 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	37.1102	37.1102	1.5300e-003	3.2000e-004	37.2430
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	37.5737	37.5737	1.5500e-003	3.2000e-004	37.7082
NaturalGas Mitigated	4.0000e-004	3.6700e-003	3.0800e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	3.9943	3.9943	8.0000e-005	7.0000e-005	4.0180
NaturalGas Unmitigated	4.4000e-004	4.0400e-003	3.3900e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.3950	4.3950	8.0000e-005	8.0000e-005	4.4211

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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					
Arena	82358.6	4.4000e-004	4.0400e-003	3.3900e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.3950	4.3950	8.0000e-005	8.0000e-005	4.4211
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000
Total		4.4000e-004	4.0400e-003	3.3900e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	4.3950	4.3950	8.0000e-005	8.0000e-005	4.4211

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Arena	74850.2	4.0000e-004	3.6700e-003	3.0800e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	3.9943	3.9943	8.0000e-005	7.0000e-005	4.0180
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000
Total		4.0000e-004	3.6700e-003	3.0800e-003	2.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	3.9943	3.9943	8.0000e-005	7.0000e-005	4.0180

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	100426	31.9979	1.3200e-003	2.7000e-004	32.1123
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	17500	5.5759	2.3000e-004	5.0000e-005	5.5958
Total		37.5737	1.5500e-003	3.2000e-004	37.7081

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Arena	98971.2	31.5343	1.3000e-003	2.7000e-004	31.6471
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	17500	5.5759	2.3000e-004	5.0000e-005	5.5958
Total		37.1102	1.5300e-003	3.2000e-004	37.2430

6.0 Area Detail

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6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	0.1244	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003
Unmitigated	0.1244	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003

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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	0.0289					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0954					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003
Total	0.1244	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003

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	0.0289					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0954					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3000e-004	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003
Total	0.1244	1.0000e-005	1.3800e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.6700e-003	2.6700e-003	1.0000e-005	0.0000	2.8500e-003

7.0 Water Detail

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7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	22.9165	0.3301	7.9400e-003	33.5366
Unmitigated	22.9165	0.3301	7.9400e-003	33.5366

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	10.1059 / 0.645055	21.3486	0.3301	7.9300e-003	31.9631
City Park	0 / 1.40595	1.5679	6.0000e-005	1.0000e-005	1.5735
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		22.9165	0.3301	7.9400e-003	33.5366

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Arena	10.1059 / 0.645055	21.3486	0.3301	7.9300e-003	31.9631
City Park	0 / 1.40595	1.5679	6.0000e-005	1.0000e-005	1.5735
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		22.9165	0.3301	7.9400e-003	33.5366

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0761	4.5000e-003	0.0000	0.1886
Unmitigated	0.1522	9.0000e-003	0.0000	0.3772

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	0.65	0.1319	7.8000e-003	0.0000	0.3269
City Park	0.1	0.0203	1.2000e-003	0.0000	0.0503
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.1522	9.0000e-003	0.0000	0.3772

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Arena	0.325	0.0660	3.9000e-003	0.0000	0.1634
City Park	0.05	0.0102	6.0000e-004	0.0000	0.0252
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0761	4.5000e-003	0.0000	0.1886

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
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Mammoth MACC - Mono County, Summer

Mammoth MACC
Mono County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	125.00	Space	1.13	50,000.00	0
Arena	23.46	1000sqft	7.54	23,464.00	0
City Park	1.18	Acre	1.18	51,400.80	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	54
Climate Zone	1			Operational Year	2020
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

Mammoth MACC - Mono County, Summer

Project Characteristics -

Land Use - Arena = Performing Arts Theatre + New Workshop & Storage Building
City Park = Outdoor Amphitheater

Construction Phase - Per construction questionnaire

Off-road Equipment -

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Off-road Equipment - Per construction questionnaire

Demolition -

Grading - Per construction questionnaire

Vehicle Trips - Per traffic study

Construction Off-road Equipment Mitigation - GBUAPCD standard mitigation

Area Mitigation -

Energy Mitigation -

Waste Mitigation -

Mammoth MACC - Mono County, Summer

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	26
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	230.00	352.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	44.00
tblGrading	MaterialImported	0.00	1,330.00
tblLandUse	LandUseSquareFeet	23,460.00	23,464.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblTripsAndVMT	WorkerTripNumber	20.00	5.00
tblTripsAndVMT	WorkerTripNumber	20.00	5.00
tblVehicleTrips	ST_TR	10.71	10.02
tblVehicleTrips	ST_TR	22.75	262.71
tblVehicleTrips	SU_TR	10.71	10.02
tblVehicleTrips	SU_TR	16.74	262.71
tblVehicleTrips	WD_TR	10.71	10.02
tblVehicleTrips	WD_TR	1.89	262.71

Mammoth MACC - Mono County, Summer

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					
2019	9.0373	91.9333	65.3856	0.1176	7.2567	4.5231	10.9120	3.5575	4.1879	6.9471	0.0000	11,610.69 35	11,610.69 35	3.1589	0.0000	11,689.66 71
2020	31.1899	85.1852	64.3522	0.1174	0.7517	4.1154	4.8671	0.2025	3.8092	4.0117	0.0000	11,380.48 18	11,380.48 18	3.1448	0.0000	11,459.10 06
Maximum	31.1899	91.9333	65.3856	0.1176	7.2567	4.5231	10.9120	3.5575	4.1879	6.9471	0.0000	11,610.69 35	11,610.69 35	3.1589	0.0000	11,689.66 71

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					
2019	9.0373	91.9333	65.3856	0.1176	3.3523	4.5231	7.0076	1.5921	4.1879	4.9817	0.0000	11,610.69 35	11,610.69 35	3.1589	0.0000	11,689.66 71
2020	31.1899	85.1852	64.3522	0.1174	0.5874	4.1154	4.7028	0.1622	3.8092	3.9714	0.0000	11,380.48 17	11,380.48 17	3.1448	0.0000	11,459.10 06
Maximum	31.1899	91.9333	65.3856	0.1176	3.3523	4.5231	7.0076	1.5921	4.1879	4.9817	0.0000	11,610.69 35	11,610.69 35	3.1589	0.0000	11,689.66 71

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	50.81	0.00	25.79	53.34	0.00	18.30	0.00	0.00	0.00	0.00	0.00	0.00

Mammoth MACC - Mono County, Summer

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	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349
Energy	2.4300e-003	0.0221	0.0186	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5459	26.5459	5.1000e-004	4.9000e-004	26.7036
Mobile	1.2570	7.8827	12.4201	0.0364	2.3857	0.0380	2.4237	0.6388	0.0358	0.6746		3,689.2594	3,689.2594	0.2361		3,695.1629
Total	1.9419	7.9049	12.4540	0.0365	2.3857	0.0398	2.4255	0.6388	0.0376	0.6763		3,715.8381	3,715.8381	0.2367	4.9000e-004	3,721.9015

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	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349
Energy	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1258	24.1258	4.6000e-004	4.4000e-004	24.2691
Mobile	1.2570	7.8827	12.4201	0.0364	2.3857	0.0380	2.4237	0.6388	0.0358	0.6746		3,689.2594	3,689.2594	0.2361		3,695.1629
Total	1.9416	7.9029	12.4523	0.0365	2.3857	0.0396	2.4253	0.6388	0.0374	0.6762		3,713.4179	3,713.4179	0.2367	4.4000e-004	3,719.4669

Mammoth MACC - Mono County, Summer

	ROG	NOx	CO	SO2	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	0.01	0.03	0.01	0.03	0.00	0.38	0.01	0.00	0.40	0.02	0.00	0.07	0.07	0.02	10.20	0.07

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	4/1/2019	4/15/2019	5	11	
2	Grading	Grading	4/16/2019	8/15/2019	5	88	
3	Building Construction	Building Construction	6/1/2019	10/6/2020	5	352	
4	Paving 1	Paving	8/16/2019	10/16/2019	5	44	
5	Architectural Coating	Architectural Coating	6/1/2020	6/30/2020	5	22	
6	Paving 2	Paving	7/1/2020	8/31/2020	5	44	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 44

Acres of Paving: 1.13

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 35,196; Non-Residential Outdoor: 11,732; Striped Parking Area: 3,000 (Architectural Coating – sqft)

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	Off-Highway Trucks	1	8.00	402	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

Mammoth MACC - Mono County, Summer

Demolition	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
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	Graders	1	8.00	187	0.41
Building Construction	Other Construction Equipment	2	8.00	172	0.42
Building Construction	Pavers	1	7.00	130	0.42
Building Construction	Rubber Tired Loaders	1	8.00	203	0.36
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving 1	Graders	1	8.00	187	0.41
Paving 1	Other Construction Equipment	5	8.00	172	0.42
Paving 1	Pavers	1	8.00	130	0.42
Paving 1	Paving Equipment	1	8.00	132	0.36
Paving 1	Rollers	1	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving 2	Graders	1	8.00	187	0.41
Paving 2	Other Construction Equipment	5	8.00	172	0.42
Paving 2	Pavers	1	8.00	130	0.42
Paving 2	Paving Equipment	1	8.00	132	0.36
Paving 2	Rollers	1	8.00	80	0.38

Trips and VMT

Mammoth MACC - Mono County, Summer

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	8	5.00	0.00	89.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	8	5.00	0.00	89.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	166.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	14	52.00	20.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving 1	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving 2	9	23.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

Mammoth MACC - Mono County, Summer

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.7508	0.0000	1.7508	0.2651	0.0000	0.2651			0.0000			0.0000
Off-Road	4.4561	45.3099	28.3595	0.0551		2.2124	2.2124		2.0538	2.0538		5,432.1728	5,432.1728	1.5729		5,471.4949
Total	4.4561	45.3099	28.3595	0.0551	1.7508	2.2124	3.9632	0.2651	2.0538	2.3188		5,432.1728	5,432.1728	1.5729		5,471.4949

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	0.1488	5.0787	0.7999	0.0139	0.4977	0.0189	0.5166	0.1304	0.0181	0.1484		1,452.4875	1,452.4875	0.0645		1,454.1003
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	0.0593	0.0445	0.4086	8.1000e-004	0.1535	6.5000e-004	0.1542	0.0393	6.0000e-004	0.0399		80.5806	80.5806	3.8700e-003		80.6774
Total	0.2081	5.1232	1.2085	0.0147	0.6512	0.0195	0.6708	0.1697	0.0187	0.1883		1,533.0681	1,533.0681	0.0684		1,534.7776

Mammoth MACC - Mono County, Summer

3.2 Demolition - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7485	0.0000	0.7485	0.1133	0.0000	0.1133			0.0000			0.0000
Off-Road	4.4561	45.3099	28.3595	0.0551		2.2124	2.2124		2.0538	2.0538	0.0000	5,432.1728	5,432.1728	1.5729		5,471.4949
Total	4.4561	45.3099	28.3595	0.0551	0.7485	2.2124	2.9609	0.1133	2.0538	2.1671	0.0000	5,432.1728	5,432.1728	1.5729		5,471.4949

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	0.1488	5.0787	0.7999	0.0139	0.3865	0.0189	0.4053	0.1031	0.0181	0.1211		1,452.4875	1,452.4875	0.0645		1,454.1003
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	0.0593	0.0445	0.4086	8.1000e-004	0.1164	6.5000e-004	0.1171	0.0302	6.0000e-004	0.0308		80.5806	80.5806	3.8700e-003		80.6774
Total	0.2081	5.1232	1.2085	0.0147	0.5029	0.0195	0.5224	0.1333	0.0187	0.1519		1,533.0681	1,533.0681	0.0684		1,534.7776

Mammoth MACC - Mono County, Summer

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5541	0.0000	6.5541	3.3677	0.0000	3.3677			0.0000			0.0000
Off-Road	2.3477	26.0106	13.9907	0.0265		1.2413	1.2413		1.1420	1.1420		2,629.2649	2,629.2649	0.8319		2,650.0617
Total	2.3477	26.0106	13.9907	0.0265	6.5541	1.2413	7.7954	3.3677	1.1420	4.5098		2,629.2649	2,629.2649	0.8319		2,650.0617

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	0.0173	0.5920	0.0932	1.6200e-003	0.0331	2.2000e-003	0.0353	9.0700e-003	2.1100e-003	0.0112		169.3209	169.3209	7.5200e-003		169.5089
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	0.0771	0.0578	0.5312	1.0500e-003	0.1068	8.5000e-004	0.1076	0.0283	7.8000e-004	0.0291		104.7548	104.7548	5.0300e-003		104.8806
Total	0.0944	0.6498	0.6245	2.6700e-003	0.1399	3.0500e-003	0.1429	0.0374	2.8900e-003	0.0403		274.0757	274.0757	0.0126		274.3895

Mammoth MACC - Mono County, Summer

3.3 Grading - 2019

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					2.8019	0.0000	2.8019	1.4397	0.0000	1.4397			0.0000			0.0000
Off-Road	2.3477	26.0106	13.9907	0.0265		1.2413	1.2413		1.1420	1.1420	0.0000	2,629.2649	2,629.2649	0.8319		2,650.0617
Total	2.3477	26.0106	13.9907	0.0265	2.8019	1.2413	4.0432	1.4397	1.1420	2.5817	0.0000	2,629.2649	2,629.2649	0.8319		2,650.0617

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	0.0173	0.5920	0.0932	1.6200e-003	0.0266	2.2000e-003	0.0288	7.4800e-003	2.1100e-003	9.5900e-003		169.3209	169.3209	7.5200e-003		169.5089
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	0.0771	0.0578	0.5312	1.0500e-003	0.0827	8.5000e-004	0.0835	0.0224	7.8000e-004	0.0232		104.7548	104.7548	5.0300e-003		104.8806
Total	0.0944	0.6498	0.6245	2.6700e-003	0.1093	3.0500e-003	0.1123	0.0299	2.8900e-003	0.0328		274.0757	274.0757	0.0126		274.3895

Mammoth MACC - Mono County, Summer

3.4 Building Construction - 2019

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	4.5484	46.5152	31.5170	0.0563		2.3916	2.3916		2.2264	2.2264		5,499.6066	5,499.6066	1.5514		5,538.3917
Total	4.5484	46.5152	31.5170	0.0563		2.3916	2.3916		2.2264	2.2264		5,499.6066	5,499.6066	1.5514		5,538.3917

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	0.1379	2.6421	0.8899	6.3300e-003	0.1356	0.0159	0.1515	0.0391	0.0152	0.0543		659.8967	659.8967	0.0450		661.0225
Worker	0.3084	0.2312	2.1249	4.2200e-003	0.4272	3.3900e-003	0.4306	0.1133	3.1200e-003	0.1164		419.0192	419.0192	0.0201		419.5223
Total	0.4463	2.8733	3.0148	0.0106	0.5628	0.0193	0.5821	0.1524	0.0183	0.1707		1,078.9159	1,078.9159	0.0652		1,080.5448

Mammoth MACC - Mono County, Summer

3.4 Building Construction - 2019

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	4.5484	46.5152	31.5170	0.0563		2.3916	2.3916		2.2264	2.2264	0.0000	5,499.6066	5,499.6066	1.5514		5,538.3917
Total	4.5484	46.5152	31.5170	0.0563		2.3916	2.3916		2.2264	2.2264	0.0000	5,499.6066	5,499.6066	1.5514		5,538.3917

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	0.1379	2.6421	0.8899	6.3300e-003	0.1105	0.0159	0.1264	0.0329	0.0152	0.0481		659.8967	659.8967	0.0450		661.0225
Worker	0.3084	0.2312	2.1249	4.2200e-003	0.3306	3.3900e-003	0.3340	0.0896	3.1200e-003	0.0927		419.0192	419.0192	0.0201		419.5223
Total	0.4463	2.8733	3.0148	0.0106	0.4412	0.0193	0.4604	0.1225	0.0183	0.1408		1,078.9159	1,078.9159	0.0652		1,080.5448

Mammoth MACC - Mono County, Summer

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	4.1876	42.8584	31.0785	0.0563		2.1381	2.1381		1.9897	1.9897		5,396.9129	5,396.9129	1.5426		5,435.4783
Total	4.1876	42.8584	31.0785	0.0563		2.1381	2.1381		1.9897	1.9897		5,396.9129	5,396.9129	1.5426		5,435.4783

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	0.1199	2.4768	0.7701	6.3000e-003	0.1356	0.0118	0.1474	0.0391	0.0112	0.0503		657.2030	657.2030	0.0434		658.2868
Worker	0.2876	0.2053	1.9086	4.0900e-003	0.4272	3.2800e-003	0.4304	0.1133	3.0200e-003	0.1163		406.1269	406.1269	0.0177		406.5703
Total	0.4075	2.6821	2.6787	0.0104	0.5628	0.0150	0.5778	0.1524	0.0143	0.1666		1,063.3299	1,063.3299	0.0611		1,064.8571

Mammoth MACC - Mono County, Summer

3.4 Building Construction - 2020

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	4.1876	42.8584	31.0785	0.0563		2.1381	2.1381		1.9897	1.9897	0.0000	5,396.9129	5,396.9129	1.5426		5,435.4783
Total	4.1876	42.8584	31.0785	0.0563		2.1381	2.1381		1.9897	1.9897	0.0000	5,396.9129	5,396.9129	1.5426		5,435.4783

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	0.1199	2.4768	0.7701	6.3000e-003	0.1105	0.0118	0.1223	0.0329	0.0112	0.0441		657.2030	657.2030	0.0434		658.2868
Worker	0.2876	0.2053	1.9086	4.0900e-003	0.3306	3.2800e-003	0.3339	0.0896	3.0200e-003	0.0926		406.1269	406.1269	0.0177		406.5703
Total	0.4075	2.6821	2.6787	0.0104	0.4412	0.0150	0.4562	0.1225	0.0143	0.1368		1,063.3299	1,063.3299	0.0611		1,064.8571

Mammoth MACC - Mono County, Summer

3.5 Paving 1 - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8389	42.4426	29.9140	0.0489		2.1107	2.1107		1.9419	1.9419		4,846.8355	4,846.8355	1.5335		4,885.1727
Paving	0.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9062	42.4426	29.9140	0.0489		2.1107	2.1107		1.9419	1.9419		4,846.8355	4,846.8355	1.5335		4,885.1727

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	0.1364	0.1022	0.9399	1.8700e-003	0.1889	1.5000e-003	0.1904	0.0501	1.3800e-003	0.0515		185.3354	185.3354	8.9000e-003		185.5580
Total	0.1364	0.1022	0.9399	1.8700e-003	0.1889	1.5000e-003	0.1904	0.0501	1.3800e-003	0.0515		185.3354	185.3354	8.9000e-003		185.5580

Mammoth MACC - Mono County, Summer

3.5 Paving 1 - 2019

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	3.8389	42.4426	29.9140	0.0489		2.1107	2.1107		1.9419	1.9419	0.0000	4,846.8355	4,846.8355	1.5335		4,885.1727
Paving	0.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.9062	42.4426	29.9140	0.0489		2.1107	2.1107		1.9419	1.9419	0.0000	4,846.8355	4,846.8355	1.5335		4,885.1727

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	0.1364	0.1022	0.9399	1.8700e-003	0.1463	1.5000e-003	0.1477	0.0396	1.3800e-003	0.0410		185.3354	185.3354	8.9000e-003		185.5580
Total	0.1364	0.1022	0.9399	1.8700e-003	0.1463	1.5000e-003	0.1477	0.0396	1.3800e-003	0.0410		185.3354	185.3354	8.9000e-003		185.5580

Mammoth MACC - Mono County, Summer

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	lb/day										lb/day					
Archit. Coating	26.2973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	26.5395	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

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	0.0553	0.0395	0.3670	7.9000e-004	0.0822	6.3000e-004	0.0828	0.0218	5.8000e-004	0.0224		78.1013	78.1013	3.4100e-003		78.1866
Total	0.0553	0.0395	0.3670	7.9000e-004	0.0822	6.3000e-004	0.0828	0.0218	5.8000e-004	0.0224		78.1013	78.1013	3.4100e-003		78.1866

Mammoth MACC - Mono County, Summer

3.6 Architectural Coating - 2020

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	26.2973					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	26.5395	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

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	0.0553	0.0395	0.3670	7.9000e-004	0.0636	6.3000e-004	0.0642	0.0172	5.8000e-004	0.0178		78.1013	78.1013	3.4100e-003		78.1866
Total	0.0553	0.0395	0.3670	7.9000e-004	0.0636	6.3000e-004	0.0642	0.0172	5.8000e-004	0.0178		78.1013	78.1013	3.4100e-003		78.1866

Mammoth MACC - Mono County, Summer

3.7 Paving 2 - 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	3.6242	39.5539	29.7508	0.0489		1.9608	1.9608		1.8040	1.8040		4,740.6058	4,740.6058	1.5332		4,778.9360
Paving	0.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.6915	39.5539	29.7508	0.0489		1.9608	1.9608		1.8040	1.8040		4,740.6058	4,740.6058	1.5332		4,778.9360

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	0.1272	0.0908	0.8442	1.8100e-003	0.1889	1.4500e-003	0.1904	0.0501	1.3400e-003	0.0515		179.6331	179.6331	7.8400e-003		179.8292
Total	0.1272	0.0908	0.8442	1.8100e-003	0.1889	1.4500e-003	0.1904	0.0501	1.3400e-003	0.0515		179.6331	179.6331	7.8400e-003		179.8292

Mammoth MACC - Mono County, Summer

3.7 Paving 2 - 2020

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	3.6242	39.5539	29.7508	0.0489		1.9608	1.9608		1.8040	1.8040	0.0000	4,740.6058	4,740.6058	1.5332		4,778.9360
Paving	0.0673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.6915	39.5539	29.7508	0.0489		1.9608	1.9608		1.8040	1.8040	0.0000	4,740.6058	4,740.6058	1.5332		4,778.9360

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	0.1272	0.0908	0.8442	1.8100e-003	0.1463	1.4500e-003	0.1477	0.0396	1.3400e-003	0.0410		179.6331	179.6331	7.8400e-003		179.8292
Total	0.1272	0.0908	0.8442	1.8100e-003	0.1463	1.4500e-003	0.1477	0.0396	1.3400e-003	0.0410		179.6331	179.6331	7.8400e-003		179.8292

4.0 Operational Detail - Mobile

Mammoth MACC - Mono County, Summer

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	1.2570	7.8827	12.4201	0.0364	2.3857	0.0380	2.4237	0.6388	0.0358	0.6746		3,689.2594	3,689.2594	0.2361		3,695.1629
Unmitigated	1.2570	7.8827	12.4201	0.0364	2.3857	0.0380	2.4237	0.6388	0.0358	0.6746		3,689.2594	3,689.2594	0.2361		3,695.1629

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Arena	235.07	235.07	235.07	456,490	456,490
City Park	310.00	310.00	310.00	661,800	661,800
Parking Lot	0.00	0.00	0.00		
Total	545.07	545.07	545.07	1,118,290	1,118,290

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
Arena	9.50	7.30	7.30	0.00	81.00	19.00	66	28	6
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

Mammoth MACC - Mono County, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Arena	0.508156	0.040430	0.198608	0.131923	0.032190	0.007449	0.008178	0.057213	0.006204	0.001372	0.005718	0.001007	0.001552
City Park	0.508156	0.040430	0.198608	0.131923	0.032190	0.007449	0.008178	0.057213	0.006204	0.001372	0.005718	0.001007	0.001552
Parking Lot	0.508156	0.040430	0.198608	0.131923	0.032190	0.007449	0.008178	0.057213	0.006204	0.001372	0.005718	0.001007	0.001552

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
NaturalGas Mitigated	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1258	24.1258	4.6000e-004	4.4000e-004	24.2691
NaturalGas Unmitigated	2.4300e-003	0.0221	0.0186	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5459	26.5459	5.1000e-004	4.9000e-004	26.7036

Mammoth MACC - Mono County, Summer

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					
Arena	225.64	2.4300e-003	0.0221	0.0186	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5459	26.5459	5.1000e-004	4.9000e-004	26.7036
City Park	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		2.4300e-003	0.0221	0.0186	1.3000e-004		1.6800e-003	1.6800e-003		1.6800e-003	1.6800e-003		26.5459	26.5459	5.1000e-004	4.9000e-004	26.7036

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					
Arena	0.205069	2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1258	24.1258	4.6000e-004	4.4000e-004	24.2691
City Park	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		2.2100e-003	0.0201	0.0169	1.2000e-004		1.5300e-003	1.5300e-003		1.5300e-003	1.5300e-003		24.1258	24.1258	4.6000e-004	4.4000e-004	24.2691

6.0 Area Detail

Mammoth MACC - Mono County, Summer

6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349
Unmitigated	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349

Mammoth MACC - Mono County, Summer

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	0.1585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5225					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4500e-003	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349
Total	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349

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	0.1585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5225					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.4500e-003	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349
Total	0.6824	1.4000e-004	0.0154	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0328	0.0328	9.0000e-005		0.0349

7.0 Water Detail

Mammoth MACC - Mono County, Summer

7.1 Mitigation Measures Water**8.0 Waste Detail****8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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