

**Appendix A:
Air Quality/Greenhouse Gas Data**

THIS PAGE INTENTIONALLY LEFT BLANK

CalEEMod Output

Table of Contents

Construction

Phase 1 and Phase 2 Annual.....	A-1
Phase 1 and Phase 2 Summer.....	A-31
Phase 1 and Phase 2 Winter.....	A-56
Phase 3 Annual.....	A-81
Phase 3 Summer.....	A-113
Phase 3 Winter.....	A-140

Operations

Phase 1 and Phase 2 Annual	A-167
Phase 1 and Phase 2 Summer.....	A-186
Phase 1 and Phase 2 Winter.....	A-200
Phase 3 Annual.....	A-214
Phase 3 Summer.....	A-237
Phase 3 Winter.....	A-256

Temporary Site

Construction and Operations Annual.....	A-275
Construction and Operations Summer.....	A-306
Construction and Operations Winter.....	A-332

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

**3390.0003 Phase 1+2 Construction Tier 3/Tier 4
El Dorado-Mountain County County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	58.93	1000sqft	10.18	58,927.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

Project Characteristics -

Land Use - Total lot acreage: 10.18; General light industry land use encompasses the new transfer station, household hazardous waste building/covered appliance storage, covered recycle bin area, scale house, and office remodeling

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

On-road Fugitive Dust -

Grading - Based on earthwork quantities provided by Youngdahl Consulting Group; Project site 10.18 acres

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	1,464.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblAreaCoating	Area_Parking	0	1464
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	145.00
tblConstructionPhase	NumDays	30.00	100.00
tblConstructionPhase	NumDays	30.00	132.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-10
tblEnergyUse	LightingElect	1.81	0.00
tblEnergyUse	NT24E	1.85	0.00

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

tblEnergyUse	NT24NG	0.31	0.00
tblEnergyUse	T24E	0.62	0.00
tblEnergyUse	T24NG	3.20	0.00
tblGrading	AcresOfGrading	250.00	10.18
tblGrading	AcresOfGrading	330.00	10.18
tblGrading	MaterialExported	0.00	21,000.00
tblGrading	MaterialExported	0.00	18,000.00
tblGrading	MaterialImported	0.00	21,000.00
tblGrading	MaterialImported	0.00	18,000.00
tblLandUse	LandUseSquareFeet	58,930.00	58,927.00
tblLandUse	LotAcreage	1.35	10.18
tblRoadDust	RoadPercentPave	100	0
tblSolidWaste	SolidWasteGenerationRate	73.07	0.00
tblTripsAndVMT	HaulingTripLength	20.00	91.00
tblTripsAndVMT	HaulingTripLength	20.00	91.00
tblTripsAndVMT	HaulingTripNumber	2,625.00	2,100.00
tblTripsAndVMT	HaulingTripNumber	2,250.00	1,800.00
tblTripsAndVMT	VendorTripNumber	10.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	35.00
tblTripsAndVMT	WorkerTripNumber	5.00	7.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	13,627,562.50	0.00

2.0 Emissions Summary

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

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					
2018	0.3099	4.5703	2.2324	6.9100e-003	0.3967	0.1454	0.5421	0.1904	0.1342	0.3246	0.0000	644.4085	644.4085	0.0924	0.0000	646.7186
2019	0.4825	5.9855	3.5142	8.9700e-003	0.5014	0.2288	0.7303	0.2456	0.2121	0.4578	0.0000	819.4271	819.4271	0.1480	0.0000	823.1260
2020	0.4752	0.5333	0.4763	8.5000e-004	9.5300e-003	0.0288	0.0383	2.5900e-003	0.0271	0.0297	0.0000	74.5677	74.5677	0.0144	0.0000	74.9285
Maximum	0.4825	5.9855	3.5142	8.9700e-003	0.5014	0.2288	0.7303	0.2456	0.2121	0.4578	0.0000	819.4271	819.4271	0.1480	0.0000	823.1260

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					
2018	0.1077	2.2736	2.1550	6.9100e-003	0.2079	0.0468	0.2547	0.0888	0.0462	0.1350	0.0000	644.4082	644.4082	0.0924	0.0000	646.7182
2019	0.1577	2.9550	3.5591	8.9700e-003	0.2541	0.0968	0.3509	0.1118	0.0964	0.2081	0.0000	819.4265	819.4265	0.1480	0.0000	823.1254
2020	0.4380	0.4085	0.5014	8.5000e-004	9.5300e-003	0.0234	0.0329	2.5900e-003	0.0234	0.0260	0.0000	74.5677	74.5677	0.0144	0.0000	74.9284
Maximum	0.4380	2.9550	3.5591	8.9700e-003	0.2541	0.0968	0.3509	0.1118	0.0964	0.2081	0.0000	819.4265	819.4265	0.1480	0.0000	823.1254

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	44.51	49.16	0.12	0.00	48.06	58.56	51.29	53.69	55.56	54.55	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	6-1-2018	8-31-2018	3.1647	1.5226
2	9-1-2018	11-30-2018	1.6614	0.8046
4	3-1-2019	5-31-2019	1.7945	0.7745
5	6-1-2019	8-31-2019	2.6884	1.1856
6	9-1-2019	11-30-2019	1.6792	0.9236
7	12-1-2019	2-29-2020	1.0835	0.8482
8	3-1-2020	5-31-2020	0.2151	0.1929
		Highest	3.1647	1.5226

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

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	5.0000e-005	1.0000e-005	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0500e-003	1.0500e-003	0.0000	0.0000	1.1200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.0000e-005	1.0000e-005	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0500e-003	1.0500e-003	0.0000	0.0000	1.1200e-003

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

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	5.0000e-005	1.0000e-005	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0500e-003	1.0500e-003	0.0000	0.0000	1.1200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.0000e-005	1.0000e-005	5.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0500e-003	1.0500e-003	0.0000	0.0000	1.1200e-003

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

3.0 Construction Detail

Construction Phase

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 1 Lime Remediation	Grading	6/1/2018	10/18/2018	5	100	
2	Phase 2 Lime Remediation	Grading	3/29/2019	9/30/2019	5	132	
3	Phase 2 Building Construction	Building Construction	8/20/2019	3/9/2020	5	145	
4	Phase 2 Architectural Coating	Architectural Coating	2/11/2020	3/9/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 88,391; Non-Residential Outdoor: 29,464; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 1 Lime Remediation	8	20.00	0.00	2,100.00	10.80	7.30	91.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Lime Remediation	8	20.00	0.00	1,800.00	10.80	7.30	91.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Building Construction	9	35.00	14.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 1 Lime Remediation - 2018

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					0.3096	0.0000	0.3096	0.1666	0.0000	0.1666	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2545	2.9761	1.7545	3.1000e-003		0.1317	0.1317		0.1212	0.1212	0.0000	283.2425	283.2425	0.0882	0.0000	285.4469
Total	0.2545	2.9761	1.7545	3.1000e-003	0.3096	0.1317	0.4413	0.1666	0.1212	0.2877	0.0000	283.2425	283.2425	0.0882	0.0000	285.4469

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

3.2 Phase 1 Lime Remediation - 2018

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	0.0496	1.5903	0.4362	3.7300e-003	0.0793	0.0136	0.0929	0.0217	0.0130	0.0347	0.0000	353.5979	353.5979	3.9300e-003	0.0000	353.6961
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	5.8600e-003	3.9400e-003	0.0417	8.0000e-005	7.8700e-003	7.0000e-005	7.9400e-003	2.0900e-003	6.0000e-005	2.1600e-003	0.0000	7.5681	7.5681	3.0000e-004	0.0000	7.5755
Total	0.0554	1.5942	0.4780	3.8100e-003	0.0871	0.0137	0.1008	0.0238	0.0131	0.0369	0.0000	361.1660	361.1660	4.2300e-003	0.0000	361.2716

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					0.1207	0.0000	0.1207	0.0650	0.0000	0.0650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0523	0.6794	1.6770	3.1000e-003		0.0332	0.0332		0.0332	0.0332	0.0000	283.2422	283.2422	0.0882	0.0000	285.4466
Total	0.0523	0.6794	1.6770	3.1000e-003	0.1207	0.0332	0.1539	0.0650	0.0332	0.0981	0.0000	283.2422	283.2422	0.0882	0.0000	285.4466

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

3.2 Phase 1 Lime Remediation - 2018

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	0.0496	1.5903	0.4362	3.7300e-003	0.0793	0.0136	0.0929	0.0217	0.0130	0.0347	0.0000	353.5979	353.5979	3.9300e-003	0.0000	353.6961
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	5.8600e-003	3.9400e-003	0.0417	8.0000e-005	7.8700e-003	7.0000e-005	7.9400e-003	2.0900e-003	6.0000e-005	2.1600e-003	0.0000	7.5681	7.5681	3.0000e-004	0.0000	7.5755
Total	0.0554	1.5942	0.4780	3.8100e-003	0.0871	0.0137	0.1008	0.0238	0.0131	0.0369	0.0000	361.1660	361.1660	4.2300e-003	0.0000	361.2716

3.3 Phase 2 Lime Remediation - 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					0.4055	0.0000	0.4055	0.2195	0.0000	0.2195	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3128	3.5983	2.2029	4.0900e-003		0.1573	0.1573		0.1447	0.1447	0.0000	367.6287	367.6287	0.1163	0.0000	370.5366
Total	0.3128	3.5983	2.2029	4.0900e-003	0.4055	0.1573	0.5628	0.2195	0.1447	0.3641	0.0000	367.6287	367.6287	0.1163	0.0000	370.5366

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

3.3 Phase 2 Lime Remediation - 2019

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	0.0366	1.2704	0.3443	3.1600e-003	0.0680	8.6800e-003	0.0766	0.0186	8.3100e-003	0.0269	0.0000	299.9373	299.9373	2.9600e-003	0.0000	300.0112
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	7.0700e-003	4.5700e-003	0.0487	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	8.0000e-005	2.8400e-003	0.0000	9.6023	9.6023	3.4000e-004	0.0000	9.6108
Total	0.0437	1.2750	0.3929	3.2700e-003	0.0783	8.7600e-003	0.0871	0.0214	8.3900e-003	0.0298	0.0000	309.5396	309.5396	3.3000e-003	0.0000	309.6220

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					0.1582	0.0000	0.1582	0.0856	0.0000	0.0856	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0690	0.8968	2.2136	4.0900e-003		0.0438	0.0438		0.0438	0.0438	0.0000	367.6283	367.6283	0.1163	0.0000	370.5361
Total	0.0690	0.8968	2.2136	4.0900e-003	0.1582	0.0438	0.2019	0.0856	0.0438	0.1293	0.0000	367.6283	367.6283	0.1163	0.0000	370.5361

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

3.3 Phase 2 Lime Remediation - 2019

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	0.0366	1.2704	0.3443	3.1600e-003	0.0680	8.6800e-003	0.0766	0.0186	8.3100e-003	0.0269	0.0000	299.9373	299.9373	2.9600e-003	0.0000	300.0112
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	7.0700e-003	4.5700e-003	0.0487	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7700e-003	8.0000e-005	2.8400e-003	0.0000	9.6023	9.6023	3.4000e-004	0.0000	9.6108
Total	0.0437	1.2750	0.3929	3.2700e-003	0.0783	8.7600e-003	0.0871	0.0214	8.3900e-003	0.0298	0.0000	309.5396	309.5396	3.3000e-003	0.0000	309.6220

3.4 Phase 2 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	0.1133	1.0118	0.8239	1.2900e-003		0.0619	0.0619		0.0582	0.0582	0.0000	112.8500	112.8500	0.0275	0.0000	113.5373
Total	0.1133	1.0118	0.8239	1.2900e-003		0.0619	0.0619		0.0582	0.0582	0.0000	112.8500	112.8500	0.0275	0.0000	113.5373

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

3.4 Phase 2 Building Construction - 2019

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	3.7000e-003	0.0946	0.0326	1.8000e-004	4.3700e-003	7.9000e-004	5.1600e-003	1.2600e-003	7.6000e-004	2.0200e-003	0.0000	17.1876	17.1876	4.2000e-004	0.0000	17.1982
Worker	9.0000e-003	5.8200e-003	0.0620	1.4000e-004	0.0132	1.1000e-004	0.0133	3.5200e-003	1.0000e-004	3.6200e-003	0.0000	12.2211	12.2211	4.3000e-004	0.0000	12.2319
Total	0.0127	0.1004	0.0946	3.2000e-004	0.0176	9.0000e-004	0.0185	4.7800e-003	8.6000e-004	5.6400e-003	0.0000	29.4087	29.4087	8.5000e-004	0.0000	29.4301

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	0.0324	0.6829	0.8579	1.2900e-003		0.0434	0.0434		0.0434	0.0434	0.0000	112.8499	112.8499	0.0275	0.0000	113.5372
Total	0.0324	0.6829	0.8579	1.2900e-003		0.0434	0.0434		0.0434	0.0434	0.0000	112.8499	112.8499	0.0275	0.0000	113.5372

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

3.4 Phase 2 Building Construction - 2019

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	3.7000e-003	0.0946	0.0326	1.8000e-004	4.3700e-003	7.9000e-004	5.1600e-003	1.2600e-003	7.6000e-004	2.0200e-003	0.0000	17.1876	17.1876	4.2000e-004	0.0000	17.1982
Worker	9.0000e-003	5.8200e-003	0.0620	1.4000e-004	0.0132	1.1000e-004	0.0133	3.5200e-003	1.0000e-004	3.6200e-003	0.0000	12.2211	12.2211	4.3000e-004	0.0000	12.2319
Total	0.0127	0.1004	0.0946	3.2000e-004	0.0176	9.0000e-004	0.0185	4.7800e-003	8.6000e-004	5.6400e-003	0.0000	29.4087	29.4087	8.5000e-004	0.0000	29.4301

3.4 Phase 2 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0519	0.4701	0.4128	6.6000e-004		0.0274	0.0274		0.0257	0.0257	0.0000	56.7445	56.7445	0.0138	0.0000	57.0905
Total	0.0519	0.4701	0.4128	6.6000e-004		0.0274	0.0274		0.0257	0.0257	0.0000	56.7445	56.7445	0.0138	0.0000	57.0905

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

3.4 Phase 2 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4700e-003	0.0435	0.0146	9.0000e-005	2.2300e-003	2.5000e-004	2.4800e-003	6.4000e-004	2.4000e-004	8.8000e-004	0.0000	8.7322	8.7322	1.8000e-004	0.0000	8.7367
Worker	4.2700e-003	2.6400e-003	0.0283	7.0000e-005	6.7500e-003	5.0000e-005	6.8000e-003	1.8000e-003	5.0000e-005	1.8500e-003	0.0000	6.0444	6.0444	1.9000e-004	0.0000	6.0492
Total	5.7400e-003	0.0462	0.0429	1.6000e-004	8.9800e-003	3.0000e-004	9.2800e-003	2.4400e-003	2.9000e-004	2.7300e-003	0.0000	14.7766	14.7766	3.7000e-004	0.0000	14.7859

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	0.0165	0.3485	0.4379	6.6000e-004		0.0221	0.0221		0.0221	0.0221	0.0000	56.7444	56.7444	0.0138	0.0000	57.0905
Total	0.0165	0.3485	0.4379	6.6000e-004		0.0221	0.0221		0.0221	0.0221	0.0000	56.7444	56.7444	0.0138	0.0000	57.0905

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

3.4 Phase 2 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4700e-003	0.0435	0.0146	9.0000e-005	2.2300e-003	2.5000e-004	2.4800e-003	6.4000e-004	2.4000e-004	8.8000e-004	0.0000	8.7322	8.7322	1.8000e-004	0.0000	8.7367
Worker	4.2700e-003	2.6400e-003	0.0283	7.0000e-005	6.7500e-003	5.0000e-005	6.8000e-003	1.8000e-003	5.0000e-005	1.8500e-003	0.0000	6.0444	6.0444	1.9000e-004	0.0000	6.0492
Total	5.7400e-003	0.0462	0.0429	1.6000e-004	8.9800e-003	3.0000e-004	9.2800e-003	2.4400e-003	2.9000e-004	2.7300e-003	0.0000	14.7766	14.7766	3.7000e-004	0.0000	14.7859

3.5 Phase 2 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	0.4148					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4200e-003	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	0.4172	0.0168	0.0183	3.0000e-005		1.1100e-003	1.1100e-003		1.1100e-003	1.1100e-003	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

3.5 Phase 2 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.2000e-004	2.3100e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4934	0.4934	2.0000e-005	0.0000	0.4938
Total	3.5000e-004	2.2000e-004	2.3100e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4934	0.4934	2.0000e-005	0.0000	0.4938

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	0.4148					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	0.0136	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582
Total	0.4154	0.0136	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	2.5533	2.5533	2.0000e-004	0.0000	2.5582

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

3.5 Phase 2 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.5000e-004	2.2000e-004	2.3100e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4934	0.4934	2.0000e-005	0.0000	0.4938
Total	3.5000e-004	2.2000e-004	2.3100e-003	1.0000e-005	5.5000e-004	0.0000	5.6000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4934	0.4934	2.0000e-005	0.0000	0.4938

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.512962	0.041542	0.225677	0.140684	0.035619	0.007151	0.016044	0.009270	0.001580	0.001207	0.005638	0.000826	0.001801

5.0 Energy Detail

Historical Energy Use: N

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	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		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	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		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	5.0000e-005	1.0000e-005	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0500e-003	1.0500e-003	0.0000	0.0000	1.1200e-003
Unmitigated	5.0000e-005	1.0000e-005	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0500e-003	1.0500e-003	0.0000	0.0000	1.1200e-003

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0500e-003	1.0500e-003	0.0000	0.0000	1.1200e-003
Total	5.0000e-005	1.0000e-005	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0500e-003	1.0500e-003	0.0000	0.0000	1.1200e-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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0500e-003	1.0500e-003	0.0000	0.0000	1.1200e-003
Total	5.0000e-005	1.0000e-005	5.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0500e-003	1.0500e-003	0.0000	0.0000	1.1200e-003

7.0 Water Detail

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

**3390.0003 Phase 1+2 Construction Tier 3/Tier 4
El Dorado-Mountain County County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	58.93	1000sqft	10.18	58,927.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

Project Characteristics -

Land Use - Total lot acreage: 10.18; General light industry land use encompasses the new transfer station, household hazardous waste building/covered appliance storage, covered recycle bin area, scale house, and office remodeling

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

On-road Fugitive Dust -

Grading - Based on earthwork quantities provided by Youngdahl Consulting Group; Project site 10.18 acres

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	1,464.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblAreaCoating	Area_Parking	0	1464
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	145.00
tblConstructionPhase	NumDays	30.00	100.00
tblConstructionPhase	NumDays	30.00	132.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-10
tblEnergyUse	LightingElect	1.81	0.00
tblEnergyUse	NT24E	1.85	0.00

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

tblEnergyUse	NT24NG	0.31	0.00
tblEnergyUse	T24E	0.62	0.00
tblEnergyUse	T24NG	3.20	0.00
tblGrading	AcresOfGrading	250.00	10.18
tblGrading	AcresOfGrading	330.00	10.18
tblGrading	MaterialExported	0.00	21,000.00
tblGrading	MaterialExported	0.00	18,000.00
tblGrading	MaterialImported	0.00	21,000.00
tblGrading	MaterialImported	0.00	18,000.00
tblLandUse	LandUseSquareFeet	58,930.00	58,927.00
tblLandUse	LotAcreage	1.35	10.18
tblRoadDust	RoadPercentPave	100	0
tblSolidWaste	SolidWasteGenerationRate	73.07	0.00
tblTripsAndVMT	HaulingTripLength	20.00	91.00
tblTripsAndVMT	HaulingTripLength	20.00	91.00
tblTripsAndVMT	HaulingTripNumber	2,625.00	2,100.00
tblTripsAndVMT	HaulingTripNumber	2,250.00	1,800.00
tblTripsAndVMT	VendorTripNumber	10.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	35.00
tblTripsAndVMT	WorkerTripNumber	5.00	7.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	13,627,562.50	0.00

2.0 Emissions Summary

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

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					
2018	6.2096	90.1088	44.8172	0.1385	8.0020	2.9066	10.9086	3.8239	2.6840	6.5079	0.0000	14,228.7868	14,228.7868	2.0380	0.0000	14,279.7365
2019	8.0509	96.1610	58.6479	0.1455	7.7590	3.8238	11.5828	3.7637	3.5494	7.3131	0.0000	14,621.7398	14,621.7398	2.6496	0.0000	14,687.9787
2020	44.1268	22.7208	20.7405	0.0372	0.4392	1.2407	1.6799	0.1186	1.1733	1.2919	0.0000	3,583.9156	3,583.9156	0.6635	0.0000	3,600.5035
Maximum	44.1268	96.1610	58.6479	0.1455	8.0020	3.8238	11.5828	3.8239	3.5494	7.3131	0.0000	14,621.7398	14,621.7398	2.6496	0.0000	14,687.9787

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					
2018	2.1651	44.1750	43.2679	0.1385	4.2248	0.9358	5.1606	1.7918	0.9239	2.7157	0.0000	14,228.7867	14,228.7867	2.0380	0.0000	14,279.7365
2019	2.6704	48.3761	59.5211	0.1455	4.0111	1.7177	5.7288	1.7354	1.7111	3.4465	0.0000	14,621.7398	14,621.7398	2.6496	0.0000	14,687.9787
2020	42.4981	17.4339	21.7668	0.0372	0.4392	1.0113	1.4506	0.1186	1.0107	1.1293	0.0000	3,583.9156	3,583.9156	0.6635	0.0000	3,600.5035
Maximum	42.4981	48.3761	59.5211	0.1455	4.2248	1.7177	5.7288	1.7918	1.7111	3.4465	0.0000	14,621.7398	14,621.7398	2.6496	0.0000	14,687.9787

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County 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	18.93	47.37	-0.28	0.00	46.45	54.02	48.95	52.69	50.78	51.75	0.00	0.00	0.00	0.00	0.00	0.00

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County 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	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	5.7000e-004	6.0000e-005	6.0600e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005	0.0000	0.0138

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	5.7000e-004	6.0000e-005	6.0600e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005	0.0000	0.0138

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 1 Lime Remediation	Grading	6/1/2018	10/18/2018	5	100	
2	Phase 2 Lime Remediation	Grading	3/29/2019	9/30/2019	5	132	
3	Phase 2 Building Construction	Building Construction	8/20/2019	3/9/2020	5	145	
4	Phase 2 Architectural Coating	Architectural Coating	2/11/2020	3/9/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 88,391; Non-Residential Outdoor: 29,464; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 1 Lime Remediation	8	20.00	0.00	2,100.00	10.80	7.30	91.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Lime Remediation	8	20.00	0.00	1,800.00	10.80	7.30	91.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Building Construction	9	35.00	14.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 1 Lime Remediation - 2018

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					6.1920	0.0000	6.1920	3.3313	0.0000	3.3313			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	6.1920	2.6337	8.8258	3.3313	2.4230	5.7543		6,244.4284	6,244.4284	1.9440		6,293.0278

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.2 Phase 1 Lime Remediation - 2018

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	0.9922	30.5180	8.8298	0.0747	1.6457	0.2715	1.9171	0.4490	0.2598	0.7088		7,803.6114	7,803.6114	0.0871		7,805.7887
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	0.0689	0.8980	1.8200e-003	0.1643	1.3500e-003	0.1657	0.0436	1.2500e-003	0.0448		180.7469	180.7469	6.9200e-003		180.9200
Total	1.1194	30.5870	9.7279	0.0765	1.8100	0.2729	2.0828	0.4926	0.2610	0.7536		7,984.3583	7,984.3583	0.0940		7,986.7087

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					2.4149	0.0000	2.4149	1.2992	0.0000	1.2992			0.0000			0.0000
Off-Road	1.0457	13.5880	33.5400	0.0620		0.6629	0.6629		0.6629	0.6629	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	1.0457	13.5880	33.5400	0.0620	2.4149	0.6629	3.0778	1.2992	0.6629	1.9621	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.2 Phase 1 Lime Remediation - 2018

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	0.9922	30.5180	8.8298	0.0747	1.6457	0.2715	1.9171	0.4490	0.2598	0.7088		7,803.6114	7,803.6114	0.0871		7,805.7887
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	0.0689	0.8980	1.8200e-003	0.1643	1.3500e-003	0.1657	0.0436	1.2500e-003	0.0448		180.7469	180.7469	6.9200e-003		180.9200
Total	1.1194	30.5870	9.7279	0.0765	1.8100	0.2729	2.0828	0.4926	0.2610	0.7536		7,984.3583	7,984.3583	0.0940		7,986.7087

3.3 Phase 2 Lime Remediation - 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					6.1441	0.0000	6.1441	3.3252	0.0000	3.3252			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	6.1441	2.3827	8.5268	3.3252	2.1920	5.5172		6,140.0195	6,140.0195	1.9426		6,188.5854

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.3 Phase 2 Lime Remediation - 2019

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	0.5546	18.4726	5.2807	0.0480	1.0689	0.1314	1.2002	0.2917	0.1257	0.4173		5,014.7525	5,014.7525	0.0497		5,015.9936
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	0.1165	0.0606	0.7964	1.7500e-003	0.1643	1.2900e-003	0.1656	0.0436	1.1900e-003	0.0448		173.7462	173.7462	6.0500e-003		173.8975
Total	0.6711	18.5332	6.0771	0.0497	1.2332	0.1326	1.3658	0.3353	0.1269	0.4621		5,188.4987	5,188.4987	0.0557		5,189.8911

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					2.3962	0.0000	2.3962	1.2968	0.0000	1.2968			0.0000			0.0000
Off-Road	1.0457	13.5880	33.5400	0.0620		0.6629	0.6629		0.6629	0.6629	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	1.0457	13.5880	33.5400	0.0620	2.3962	0.6629	3.0591	1.2968	0.6629	1.9597	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.3 Phase 2 Lime Remediation - 2019

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	0.5546	18.4726	5.2807	0.0480	1.0689	0.1314	1.2002	0.2917	0.1257	0.4173		5,014.7525	5,014.7525	0.0497		5,015.9936
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	0.1165	0.0606	0.7964	1.7500e-003	0.1643	1.2900e-003	0.1656	0.0436	1.1900e-003	0.0448		173.7462	173.7462	6.0500e-003		173.8975
Total	0.6711	18.5332	6.0771	0.0497	1.2332	0.1326	1.3658	0.3353	0.1269	0.4621		5,188.4987	5,188.4987	0.0557		5,189.8911

3.4 Phase 2 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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.4 Phase 2 Building Construction - 2019

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	0.0758	1.9227	0.6365	3.8100e-003	0.0942	0.0164	0.1106	0.0271	0.0157	0.0428		397.5856	397.5856	9.3000e-003		397.8181
Worker	0.2039	0.1061	1.3937	3.0600e-003	0.2875	2.2500e-003	0.2898	0.0763	2.0800e-003	0.0783		304.0559	304.0559	0.0106		304.3206
Total	0.2797	2.0288	2.0302	6.8700e-003	0.3817	0.0186	0.4003	0.1033	0.0178	0.1211		701.6415	701.6415	0.0199		702.1387

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.4 Phase 2 Building Construction - 2019

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	0.0758	1.9227	0.6365	3.8100e-003	0.0942	0.0164	0.1106	0.0271	0.0157	0.0428		397.5856	397.5856	9.3000e-003		397.8181
Worker	0.2039	0.1061	1.3937	3.0600e-003	0.2875	2.2500e-003	0.2898	0.0763	2.0800e-003	0.0783		304.0559	304.0559	0.0106		304.3206
Total	0.2797	2.0288	2.0302	6.8700e-003	0.3817	0.0186	0.4003	0.1033	0.0178	0.1211		701.6415	701.6415	0.0199		702.1387

3.4 Phase 2 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.4 Phase 2 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0588	1.7375	0.5572	3.7900e-003	0.0942	0.0101	0.1043	0.0271	9.6500e-003	0.0367		395.8267	395.8267	7.7300e-003		396.0199
Worker	0.1897	0.0945	1.2528	2.9600e-003	0.2875	2.1800e-003	0.2897	0.0763	2.0100e-003	0.0783		294.6482	294.6482	9.2800e-003		294.8802
Total	0.2485	1.8320	1.8100	6.7500e-003	0.3817	0.0123	0.3940	0.1033	0.0117	0.1150		690.4749	690.4749	0.0170		690.9002

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.4 Phase 2 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0588	1.7375	0.5572	3.7900e-003	0.0942	0.0101	0.1043	0.0271	9.6500e-003	0.0367		395.8267	395.8267	7.7300e-003		396.0199
Worker	0.1897	0.0945	1.2528	2.9600e-003	0.2875	2.1800e-003	0.2897	0.0763	2.0100e-003	0.0783		294.6482	294.6482	9.2800e-003		294.8802
Total	0.2485	1.8320	1.8100	6.7500e-003	0.3817	0.0123	0.3940	0.1033	0.0117	0.1150		690.4749	690.4749	0.0170		690.9002

3.5 Phase 2 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	41.4783					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	41.7205	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.5 Phase 2 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0379	0.0189	0.2506	5.9000e-004	0.0575	4.4000e-004	0.0579	0.0153	4.0000e-004	0.0157		58.9296	58.9296	1.8600e-003		58.9760
Total	0.0379	0.0189	0.2506	5.9000e-004	0.0575	4.4000e-004	0.0579	0.0153	4.0000e-004	0.0157		58.9296	58.9296	1.8600e-003		58.9760

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	41.4783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928
Total	41.5377	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

3.5 Phase 2 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0379	0.0189	0.2506	5.9000e-004	0.0575	4.4000e-004	0.0579	0.0153	4.0000e-004	0.0157		58.9296	58.9296	1.8600e-003		58.9760
Total	0.0379	0.0189	0.2506	5.9000e-004	0.0575	4.4000e-004	0.0579	0.0153	4.0000e-004	0.0157		58.9296	58.9296	1.8600e-003		58.9760

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.512962	0.041542	0.225677	0.140684	0.035619	0.007151	0.016044	0.009270	0.001580	0.001207	0.005638	0.000826	0.001801

5.0 Energy Detail

Historical Energy Use: N

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138
Unmitigated	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138
Total	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138
Total	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

**3390.0003 Phase 1+2 Construction Tier 3/Tier 4
El Dorado-Mountain County County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	58.93	1000sqft	10.18	58,927.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2020
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

Project Characteristics -

Land Use - Total lot acreage: 10.18; General light industry land use encompasses the new transfer station, household hazardous waste building/covered appliance storage, covered recycle bin area, scale house, and office remodeling

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

On-road Fugitive Dust -

Grading - Based on earthwork quantities provided by Youngdahl Consulting Group; Project site 10.18 acres

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	1,464.00
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblAreaCoating	Area_Parking	0	1464
tblAreaCoating	ReapplicationRatePercent	10	0
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	145.00
tblConstructionPhase	NumDays	30.00	100.00
tblConstructionPhase	NumDays	30.00	132.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-10
tblEnergyUse	LightingElect	1.81	0.00
tblEnergyUse	NT24E	1.85	0.00

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

tblEnergyUse	NT24NG	0.31	0.00
tblEnergyUse	T24E	0.62	0.00
tblEnergyUse	T24NG	3.20	0.00
tblGrading	AcresOfGrading	250.00	10.18
tblGrading	AcresOfGrading	330.00	10.18
tblGrading	MaterialExported	0.00	21,000.00
tblGrading	MaterialExported	0.00	18,000.00
tblGrading	MaterialImported	0.00	21,000.00
tblGrading	MaterialImported	0.00	18,000.00
tblLandUse	LandUseSquareFeet	58,930.00	58,927.00
tblLandUse	LotAcreage	1.35	10.18
tblRoadDust	RoadPercentPave	100	0
tblSolidWaste	SolidWasteGenerationRate	73.07	0.00
tblTripsAndVMT	HaulingTripLength	20.00	91.00
tblTripsAndVMT	HaulingTripLength	20.00	91.00
tblTripsAndVMT	HaulingTripNumber	2,625.00	2,100.00
tblTripsAndVMT	HaulingTripNumber	2,250.00	1,800.00
tblTripsAndVMT	VendorTripNumber	10.00	14.00
tblTripsAndVMT	WorkerTripNumber	25.00	35.00
tblTripsAndVMT	WorkerTripNumber	5.00	7.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	13,627,562.50	0.00

2.0 Emissions Summary

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	6.2136	91.6910	44.6136	0.1381	8.0020	2.9075	10.9095	3.8239	2.6849	6.5088	0.0000	14,192.1102	14,192.1102	2.0371	0.0000	14,243.0365
2019	8.0616	97.1914	58.5035	0.1448	7.7590	3.8246	11.5836	3.7637	3.5502	7.3139	0.0000	14,556.3527	14,556.3527	2.6490	0.0000	14,622.5786
2020	44.1340	22.7864	20.7144	0.0368	0.4392	1.2409	1.6801	0.1186	1.1735	1.2921	0.0000	3,542.8787	3,542.8787	0.6634	0.0000	3,559.4636
Maximum	44.1340	97.1914	58.5035	0.1448	8.0020	3.8246	11.5836	3.8239	3.5502	7.3139	0.0000	14,556.3527	14,556.3527	2.6490	0.0000	14,622.5786

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					
2018	2.1691	45.7572	43.0643	0.1381	4.2248	0.9367	5.1615	1.7918	0.9248	2.7166	0.0000	14,192.1102	14,192.1102	2.0371	0.0000	14,243.0365
2019	2.6811	49.4065	59.3768	0.1448	4.0111	1.7186	5.7296	1.7354	1.7119	3.4473	0.0000	14,556.3527	14,556.3527	2.6490	0.0000	14,622.5786
2020	42.5053	17.4996	21.7407	0.0368	0.4392	1.0115	1.4508	0.1186	1.0109	1.1295	0.0000	3,542.8787	3,542.8787	0.6634	0.0000	3,559.4636
Maximum	42.5053	49.4065	59.3768	0.1448	4.2248	1.7186	5.7296	1.7918	1.7119	3.4473	0.0000	14,556.3527	14,556.3527	2.6490	0.0000	14,622.5786

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County 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	18.92	46.77	-0.28	0.00	46.45	54.01	48.94	52.69	50.77	51.75	0.00	0.00	0.00	0.00	0.00	0.00

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County 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	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	5.7000e-004	6.0000e-005	6.0600e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005	0.0000	0.0138

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	5.7000e-004	6.0000e-005	6.0600e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005	0.0000	0.0138

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 1 Lime Remediation	Grading	6/1/2018	10/18/2018	5	100	
2	Phase 2 Lime Remediation	Grading	3/29/2019	9/30/2019	5	132	
3	Phase 2 Building Construction	Building Construction	8/20/2019	3/9/2020	5	145	
4	Phase 2 Architectural Coating	Architectural Coating	2/11/2020	3/9/2020	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 88,391; Non-Residential Outdoor: 29,464; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 1 Lime Remediation	8	20.00	0.00	2,100.00	10.80	7.30	91.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Lime Remediation	8	20.00	0.00	1,800.00	10.80	7.30	91.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Building Construction	9	35.00	14.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 1 Lime Remediation - 2018

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					6.1920	0.0000	6.1920	3.3313	0.0000	3.3313			0.0000			0.0000
Off-Road	5.0901	59.5218	35.0894	0.0620		2.6337	2.6337		2.4230	2.4230		6,244.4284	6,244.4284	1.9440		6,293.0278
Total	5.0901	59.5218	35.0894	0.0620	6.1920	2.6337	8.8258	3.3313	2.4230	5.7543		6,244.4284	6,244.4284	1.9440		6,293.0278

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.2 Phase 1 Lime Remediation - 2018

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	0.9938	32.0840	8.6736	0.0745	1.6457	0.2724	1.9181	0.4490	0.2607	0.7097		7,784.2984	7,784.2984	0.0866		7,786.4621
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	0.1296	0.0853	0.8506	1.6400e-003	0.1643	1.3500e-003	0.1657	0.0436	1.2500e-003	0.0448		163.3834	163.3834	6.5300e-003		163.5467
Total	1.1234	32.1692	9.5242	0.0761	1.8100	0.2738	2.0837	0.4926	0.2619	0.7545		7,947.6818	7,947.6818	0.0931		7,950.0087

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					2.4149	0.0000	2.4149	1.2992	0.0000	1.2992			0.0000			0.0000
Off-Road	1.0457	13.5880	33.5400	0.0620		0.6629	0.6629		0.6629	0.6629	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278
Total	1.0457	13.5880	33.5400	0.0620	2.4149	0.6629	3.0778	1.2992	0.6629	1.9621	0.0000	6,244.4284	6,244.4284	1.9440		6,293.0278

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.2 Phase 1 Lime Remediation - 2018

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	0.9938	32.0840	8.6736	0.0745	1.6457	0.2724	1.9181	0.4490	0.2607	0.7097		7,784.2984	7,784.2984	0.0866		7,786.4621
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	0.1296	0.0853	0.8506	1.6400e-003	0.1643	1.3500e-003	0.1657	0.0436	1.2500e-003	0.0448		163.3834	163.3834	6.5300e-003		163.5467
Total	1.1234	32.1692	9.5242	0.0761	1.8100	0.2738	2.0837	0.4926	0.2619	0.7545		7,947.6818	7,947.6818	0.0931		7,950.0087

3.3 Phase 2 Lime Remediation - 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					6.1441	0.0000	6.1441	3.3252	0.0000	3.3252			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	6.1441	2.3827	8.5268	3.3252	2.1920	5.5172		6,140.0195	6,140.0195	1.9426		6,188.5854

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.3 Phase 2 Lime Remediation - 2019

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	0.5558	19.4159	5.1840	0.0478	1.0689	0.1319	1.2007	0.2917	0.1262	0.4179		5,002.1489	5,002.1489	0.0494		5,003.3836
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	0.1187	0.0750	0.7494	1.5800e-003	0.1643	1.2900e-003	0.1656	0.0436	1.1900e-003	0.0448		157.0393	157.0393	5.6800e-003		157.1813
Total	0.6745	19.4909	5.9334	0.0494	1.2332	0.1332	1.3663	0.3353	0.1274	0.4626		5,159.1882	5,159.1882	0.0551		5,160.5649

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					2.3962	0.0000	2.3962	1.2968	0.0000	1.2968			0.0000			0.0000
Off-Road	1.0457	13.5880	33.5400	0.0620		0.6629	0.6629		0.6629	0.6629	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	1.0457	13.5880	33.5400	0.0620	2.3962	0.6629	3.0591	1.2968	0.6629	1.9597	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.3 Phase 2 Lime Remediation - 2019

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	0.5558	19.4159	5.1840	0.0478	1.0689	0.1319	1.2007	0.2917	0.1262	0.4179		5,002.1489	5,002.1489	0.0494		5,003.3836
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	0.1187	0.0750	0.7494	1.5800e-003	0.1643	1.2900e-003	0.1656	0.0436	1.1900e-003	0.0448		157.0393	157.0393	5.6800e-003		157.1813
Total	0.6745	19.4909	5.9334	0.0494	1.2332	0.1332	1.3663	0.3353	0.1274	0.4626		5,159.1882	5,159.1882	0.0551		5,160.5649

3.4 Phase 2 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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.4 Phase 2 Building Construction - 2019

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	0.0793	1.9704	0.7182	3.7500e-003	0.0942	0.0167	0.1109	0.0271	0.0160	0.0430		390.7460	390.7460	0.0101		390.9976
Worker	0.2078	0.1312	1.3114	2.7600e-003	0.2875	2.2500e-003	0.2898	0.0763	2.0800e-003	0.0783		274.8189	274.8189	9.9300e-003		275.0672
Total	0.2870	2.1015	2.0296	6.5100e-003	0.3817	0.0190	0.4007	0.1033	0.0181	0.1214		665.5649	665.5649	0.0200		666.0648

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.4 Phase 2 Building Construction - 2019

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	0.0793	1.9704	0.7182	3.7500e-003	0.0942	0.0167	0.1109	0.0271	0.0160	0.0430		390.7460	390.7460	0.0101		390.9976
Worker	0.2078	0.1312	1.3114	2.7600e-003	0.2875	2.2500e-003	0.2898	0.0763	2.0800e-003	0.0783		274.8189	274.8189	9.9300e-003		275.0672
Total	0.2870	2.1015	2.0296	6.5100e-003	0.3817	0.0190	0.4007	0.1033	0.0181	0.1214		665.5649	665.5649	0.0200		666.0648

3.4 Phase 2 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.4 Phase 2 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0618	1.7764	0.6295	3.7300e-003	0.0942	0.0103	0.1045	0.0271	9.8400e-003	0.0369		388.8183	388.8183	8.3900e-003		389.0280
Worker	0.1933	0.1168	1.1709	2.6800e-003	0.2875	2.1800e-003	0.2897	0.0763	2.0100e-003	0.0783		266.2910	266.2910	8.6400e-003		266.5069
Total	0.2550	1.8932	1.8004	6.4100e-003	0.3817	0.0125	0.3942	0.1033	0.0119	0.1152		655.1094	655.1094	0.0170		655.5349

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.4 Phase 2 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0618	1.7764	0.6295	3.7300e-003	0.0942	0.0103	0.1045	0.0271	9.8400e-003	0.0369		388.8183	388.8183	8.3900e-003		389.0280
Worker	0.1933	0.1168	1.1709	2.6800e-003	0.2875	2.1800e-003	0.2897	0.0763	2.0100e-003	0.0783		266.2910	266.2910	8.6400e-003		266.5069
Total	0.2550	1.8932	1.8004	6.4100e-003	0.3817	0.0125	0.3942	0.1033	0.0119	0.1152		655.1094	655.1094	0.0170		655.5349

3.5 Phase 2 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	41.4783					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	41.7205	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.5 Phase 2 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0387	0.0234	0.2342	5.4000e-004	0.0575	4.4000e-004	0.0579	0.0153	4.0000e-004	0.0157		53.2582	53.2582	1.7300e-003		53.3014
Total	0.0387	0.0234	0.2342	5.4000e-004	0.0575	4.4000e-004	0.0579	0.0153	4.0000e-004	0.0157		53.2582	53.2582	1.7300e-003		53.3014

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	41.4783					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928
Total	41.5377	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

3.5 Phase 2 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0387	0.0234	0.2342	5.4000e-004	0.0575	4.4000e-004	0.0579	0.0153	4.0000e-004	0.0157		53.2582	53.2582	1.7300e-003		53.3014
Total	0.0387	0.0234	0.2342	5.4000e-004	0.0575	4.4000e-004	0.0579	0.0153	4.0000e-004	0.0157		53.2582	53.2582	1.7300e-003		53.3014

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.512962	0.041542	0.225677	0.140684	0.035619	0.007151	0.016044	0.009270	0.001580	0.001207	0.005638	0.000826	0.001801

5.0 Energy Detail

Historical Energy Use: N

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138
Unmitigated	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138

3390.0003 Phase 1+2 Construction Tier 3/Tier 4 - El Dorado-Mountain County 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138
Total	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138
Total	5.7000e-004	6.0000e-005	6.0600e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0129	0.0129	3.0000e-005		0.0138

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3390.0003 Phase 3 Construction Tier 3/4
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	50.00	1000sqft	9.63	50,000.00	0
Parking Lot	61.00	Space	0.55	24,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

Project Characteristics -

Land Use - General light industry encompasses the new recycling processing canopy structure

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Demolition - Demolition consists of total portion of existing buildings to be demolished (main building-transfer station, HHW area, canopies, gate house)

Grading - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblAreaCoating	ReapplicationRatePercent	10	0

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	200.00
tblConstructionPhase	NumDays	30.00	40.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-10
tblEnergyUse	LightingElect	1.81	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	1.85	0.00
tblEnergyUse	NT24NG	0.31	0.00
tblEnergyUse	T24E	0.62	0.00
tblEnergyUse	T24NG	3.20	0.00
tblGrading	AcresOfGrading	100.00	10.18
tblGrading	MaterialExported	0.00	7,000.00
tblGrading	MaterialImported	0.00	7,000.00
tblLandUse	LotAcreage	1.15	9.63
tblRoadDust	RoadPercentPave	100	0
tblSolidWaste	SolidWasteGenerationRate	62.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	91.00
tblTripsAndVMT	HaulingTripNumber	875.00	700.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	11,562,500.00	0.00

2.0 Emissions Summary

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

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					
2020	0.3175	3.4257	2.4286	5.4900e-003	0.2052	0.1497	0.3549	0.0857	0.1397	0.2255	0.0000	489.7617	489.7617	0.0908	0.0000	492.0328
2021	0.4162	0.5704	0.5752	1.0000e-003	8.9000e-003	0.0294	0.0383	2.4100e-003	0.0276	0.0300	0.0000	87.7013	87.7013	0.0195	0.0000	88.1896
Maximum	0.4162	3.4257	2.4286	5.4900e-003	0.2052	0.1497	0.3549	0.0857	0.1397	0.2255	0.0000	489.7617	489.7617	0.0908	0.0000	492.0328

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					
2020	0.1114	2.0884	2.5549	5.4900e-003	0.1150	0.0922	0.2072	0.0430	0.0920	0.1350	0.0000	489.7613	489.7613	0.0908	0.0000	492.0324
2021	0.3800	0.4803	0.6310	1.0000e-003	8.9000e-003	0.0275	0.0364	2.4100e-003	0.0275	0.0299	0.0000	87.7012	87.7012	0.0195	0.0000	88.1895
Maximum	0.3800	2.0884	2.5549	5.4900e-003	0.1150	0.0922	0.2072	0.0430	0.0920	0.1350	0.0000	489.7613	489.7613	0.0908	0.0000	492.0324

	ROG	NOx	CO	SO2	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	33.02	35.72	-6.06	0.00	42.14	33.18	38.06	48.53	28.55	35.45	0.00	0.00	0.00	0.00	0.00	0.00

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-10-2020	6-9-2020	1.9771	0.9313
2	6-10-2020	9-9-2020	0.7589	0.5484
3	9-10-2020	12-9-2020	0.7521	0.5439
4	12-10-2020	3-9-2021	1.1024	0.9367
5	3-10-2021	6-9-2021	0.0667	0.0560
		Highest	1.9771	0.9367

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	1.0000e-004	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9800e-003	1.9800e-003	1.0000e-005	0.0000	2.1200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.0000e-004	1.0000e-005	1.0200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.9800e-003	1.9800e-003	1.0000e-005	0.0000	2.1200e-003

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

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	1.0000e-004	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9800e-003	1.9800e-003	1.0000e-005	0.0000	2.1200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.0000e-004	1.0000e-005	1.0200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.9800e-003	1.9800e-003	1.0000e-005	0.0000	2.1200e-003

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

3.0 Construction Detail

Construction Phase

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 3 Demolition	Demolition	3/10/2020	4/6/2020	5	20	
2	Phase 3 Lime Remediation	Grading	4/6/2020	5/29/2020	5	40	
3	Phase 3 Building Construction	Building Construction	5/29/2020	3/4/2021	5	200	
4	Architectural Coating	Architectural Coating	2/5/2021	3/4/2021	5	20	
5	Paving	Paving	2/23/2021	3/22/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 3 Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 3 Demolition	Excavators	3	8.00	158	0.38
Phase 3 Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Phase 3 Lime Remediation	Excavators	2	8.00	158	0.38
Phase 3 Lime Remediation	Graders	1	8.00	187	0.41
Phase 3 Lime Remediation	Rubber Tired Dozers	1	8.00	247	0.40
Phase 3 Lime Remediation	Scrapers	2	8.00	367	0.48
Phase 3 Lime Remediation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 3 Building Construction	Cranes	1	7.00	231	0.29
Phase 3 Building Construction	Forklifts	3	8.00	89	0.20
Phase 3 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 3 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 3 Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 3 Demolition	6	15.00	0.00	191.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3 Lime Remediation	8	20.00	0.00	700.00	10.80	7.30	91.00	LD_Mix	HDT_Mix	HHDT
Phase 3 Building Construction	9	31.00	12.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 3 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0210	0.0000	0.0210	3.1800e-003	0.0000	3.1800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
Total	0.0331	0.3320	0.2175	3.9000e-004	0.0210	0.0166	0.0376	3.1800e-003	0.0154	0.0186	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.2 Phase 3 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3000e-004	0.0326	9.2700e-003	8.0000e-005	1.5900e-003	1.3000e-004	1.7200e-003	4.3000e-004	1.2000e-004	5.6000e-004	0.0000	7.4082	7.4082	9.0000e-005	0.0000	7.4106
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	7.5000e-004	4.6000e-004	4.9500e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0573	1.0573	3.0000e-005	0.0000	1.0582
Total	1.5800e-003	0.0331	0.0142	9.0000e-005	2.7700e-003	1.4000e-004	2.9100e-003	7.4000e-004	1.3000e-004	8.8000e-004	0.0000	8.4655	8.4655	1.2000e-004	0.0000	8.4688

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					8.2000e-003	0.0000	8.2000e-003	1.2400e-003	0.0000	1.2400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1500e-003	0.1113	0.2328	3.9000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
Total	7.1500e-003	0.1113	0.2328	3.9000e-004	8.2000e-003	5.8400e-003	0.0140	1.2400e-003	5.8400e-003	7.0800e-003	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.2 Phase 3 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.3000e-004	0.0326	9.2700e-003	8.0000e-005	1.5900e-003	1.3000e-004	1.7200e-003	4.3000e-004	1.2000e-004	5.6000e-004	0.0000	7.4082	7.4082	9.0000e-005	0.0000	7.4106
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	7.5000e-004	4.6000e-004	4.9500e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0573	1.0573	3.0000e-005	0.0000	1.0582
Total	1.5800e-003	0.0331	0.0142	9.0000e-005	2.7700e-003	1.4000e-004	2.9100e-003	7.4000e-004	1.3000e-004	8.8000e-004	0.0000	8.4655	8.4655	1.2000e-004	0.0000	8.4688

3.3 Phase 3 Lime Remediation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1269	0.0000	0.1269	0.0669	0.0000	0.0669	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0890	1.0040	0.6392	1.2400e-003		0.0435	0.0435		0.0400	0.0400	0.0000	108.9686	108.9686	0.0352	0.0000	109.8497
Total	0.0890	1.0040	0.6392	1.2400e-003	0.1269	0.0435	0.1704	0.0669	0.0400	0.1069	0.0000	108.9686	108.9686	0.0352	0.0000	109.8497

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.3 Phase 3 Lime Remediation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0116	0.4430	0.1198	1.2200e-003	0.0264	2.0600e-003	0.0285	7.2400e-003	1.9800e-003	9.2200e-003	0.0000	115.4006	115.4006	9.7000e-004	0.0000	115.4247
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.2300e-003	0.0132	3.0000e-005	3.1500e-003	2.0000e-005	3.1700e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.8196	2.8196	9.0000e-005	0.0000	2.8218
Total	0.0135	0.4443	0.1330	1.2500e-003	0.0296	2.0800e-003	0.0317	8.0800e-003	2.0000e-003	0.0101	0.0000	118.2201	118.2201	1.0600e-003	0.0000	118.2465

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					0.0495	0.0000	0.0495	0.0261	0.0000	0.0261	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0209	0.2718	0.6708	1.2400e-003		0.0133	0.0133		0.0133	0.0133	0.0000	108.9685	108.9685	0.0352	0.0000	109.8495
Total	0.0209	0.2718	0.6708	1.2400e-003	0.0495	0.0133	0.0627	0.0261	0.0133	0.0394	0.0000	108.9685	108.9685	0.0352	0.0000	109.8495

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.3 Phase 3 Lime Remediation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0116	0.4430	0.1198	1.2200e-003	0.0264	2.0600e-003	0.0285	7.2400e-003	1.9800e-003	9.2200e-003	0.0000	115.4006	115.4006	9.7000e-004	0.0000	115.4247
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9900e-003	1.2300e-003	0.0132	3.0000e-005	3.1500e-003	2.0000e-005	3.1700e-003	8.4000e-004	2.0000e-005	8.6000e-004	0.0000	2.8196	2.8196	9.0000e-005	0.0000	2.8218
Total	0.0135	0.4443	0.1330	1.2500e-003	0.0296	2.0800e-003	0.0317	8.0800e-003	2.0000e-003	0.0101	0.0000	118.2201	118.2201	1.0600e-003	0.0000	118.2465

3.4 Phase 3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1643	1.4869	1.3058	2.0900e-003		0.0866	0.0866		0.0814	0.0814	0.0000	179.4977	179.4977	0.0438	0.0000	180.5925
Total	0.1643	1.4869	1.3058	2.0900e-003		0.0866	0.0866		0.0814	0.0814	0.0000	179.4977	179.4977	0.0438	0.0000	180.5925

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.4 Phase 3 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9800e-003	0.1181	0.0396	2.5000e-004	6.0400e-003	6.8000e-004	6.7200e-003	1.7500e-003	6.5000e-004	2.3900e-003	0.0000	23.6762	23.6762	4.9000e-004	0.0000	23.6884
Worker	0.0120	7.4100e-003	0.0793	1.9000e-004	0.0189	1.5000e-004	0.0191	5.0300e-003	1.4000e-004	5.1700e-003	0.0000	16.9349	16.9349	5.4000e-004	0.0000	16.9484
Total	0.0159	0.1255	0.1189	4.4000e-004	0.0250	8.3000e-004	0.0258	6.7800e-003	7.9000e-004	7.5600e-003	0.0000	40.6111	40.6111	1.0300e-003	0.0000	40.6368

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	0.0522	1.1025	1.3852	2.0900e-003		0.0700	0.0700		0.0700	0.0700	0.0000	179.4975	179.4975	0.0438	0.0000	180.5923
Total	0.0522	1.1025	1.3852	2.0900e-003		0.0700	0.0700		0.0700	0.0700	0.0000	179.4975	179.4975	0.0438	0.0000	180.5923

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.4 Phase 3 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.9800e-003	0.1181	0.0396	2.5000e-004	6.0400e-003	6.8000e-004	6.7200e-003	1.7500e-003	6.5000e-004	2.3900e-003	0.0000	23.6762	23.6762	4.9000e-004	0.0000	23.6884
Worker	0.0120	7.4100e-003	0.0793	1.9000e-004	0.0189	1.5000e-004	0.0191	5.0300e-003	1.4000e-004	5.1700e-003	0.0000	16.9349	16.9349	5.4000e-004	0.0000	16.9484
Total	0.0159	0.1255	0.1189	4.4000e-004	0.0250	8.3000e-004	0.0258	6.7800e-003	7.9000e-004	7.5600e-003	0.0000	40.6111	40.6111	1.0300e-003	0.0000	40.6368

3.4 Phase 3 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0428	0.3922	0.3729	6.1000e-004		0.0216	0.0216		0.0203	0.0203	0.0000	52.1184	52.1184	0.0126	0.0000	52.4327
Total	0.0428	0.3922	0.3729	6.1000e-004		0.0216	0.0216		0.0203	0.0203	0.0000	52.1184	52.1184	0.0126	0.0000	52.4327

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.4 Phase 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.4000e-004	0.0312	0.0103	7.0000e-005	1.7500e-003	9.0000e-005	1.8500e-003	5.1000e-004	9.0000e-005	6.0000e-004	0.0000	6.8264	6.8264	1.2000e-004	0.0000	6.8295
Worker	3.2700e-003	1.9300e-003	0.0210	5.0000e-005	5.4900e-003	4.0000e-005	5.5300e-003	1.4600e-003	4.0000e-005	1.5000e-003	0.0000	4.7498	4.7498	1.4000e-004	0.0000	4.7533
Total	4.2100e-003	0.0331	0.0312	1.2000e-004	7.2400e-003	1.3000e-004	7.3800e-003	1.9700e-003	1.3000e-004	2.1000e-003	0.0000	11.5762	11.5762	2.6000e-004	0.0000	11.5827

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	0.0152	0.3201	0.4022	6.1000e-004		0.0203	0.0203		0.0203	0.0203	0.0000	52.1183	52.1183	0.0126	0.0000	52.4327
Total	0.0152	0.3201	0.4022	6.1000e-004		0.0203	0.0203		0.0203	0.0203	0.0000	52.1183	52.1183	0.0126	0.0000	52.4327

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.4 Phase 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.4000e-004	0.0312	0.0103	7.0000e-005	1.7500e-003	9.0000e-005	1.8500e-003	5.1000e-004	9.0000e-005	6.0000e-004	0.0000	6.8264	6.8264	1.2000e-004	0.0000	6.8295
Worker	3.2700e-003	1.9300e-003	0.0210	5.0000e-005	5.4900e-003	4.0000e-005	5.5300e-003	1.4600e-003	4.0000e-005	1.5000e-003	0.0000	4.7498	4.7498	1.4000e-004	0.0000	4.7533
Total	4.2100e-003	0.0331	0.0312	1.2000e-004	7.2400e-003	1.3000e-004	7.3800e-003	1.9700e-003	1.3000e-004	2.1000e-003	0.0000	11.5762	11.5762	2.6000e-004	0.0000	11.5827

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3527					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.3549	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.7000e-004	1.8000e-003	0.0000	4.7000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4086	0.4086	1.0000e-005	0.0000	0.4089
Total	2.8000e-004	1.7000e-004	1.8000e-003	0.0000	4.7000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4086	0.4086	1.0000e-005	0.0000	0.4089

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	0.3527					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	0.0136	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
Total	0.3533	0.0136	0.0183	3.0000e-005		9.5000e-004	9.5000e-004		9.5000e-004	9.5000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.7000e-004	1.8000e-003	0.0000	4.7000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4086	0.4086	1.0000e-005	0.0000	0.4089
Total	2.8000e-004	1.7000e-004	1.8000e-003	0.0000	4.7000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4086	0.4086	1.0000e-005	0.0000	0.4089

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	7.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0133	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	4.2000e-004	4.5100e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0215	1.0215	3.0000e-005	0.0000	1.0222
Total	7.0000e-004	4.2000e-004	4.5100e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0215	1.0215	3.0000e-005	0.0000	1.0222

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	5.6100e-003	0.1130	0.1730	2.3000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	7.2000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.3300e-003	0.1130	0.1730	2.3000e-004		6.0900e-003	6.0900e-003		6.0900e-003	6.0900e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-004	4.2000e-004	4.5100e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0215	1.0215	3.0000e-005	0.0000	1.0222
Total	7.0000e-004	4.2000e-004	4.5100e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1900e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.0215	1.0215	3.0000e-005	0.0000	1.0222

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.521731	0.039973	0.225427	0.136952	0.032686	0.006663	0.016461	0.009421	0.001593	0.001171	0.005476	0.000813	0.001634
Parking Lot	0.521731	0.039973	0.225427	0.136952	0.032686	0.006663	0.016461	0.009421	0.001593	0.001171	0.005476	0.000813	0.001634

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	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		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	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		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0000e-004	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9800e-003	1.9800e-003	1.0000e-005	0.0000	2.1200e-003
Unmitigated	1.0000e-004	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9800e-003	1.9800e-003	1.0000e-005	0.0000	2.1200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9800e-003	1.9800e-003	1.0000e-005	0.0000	2.1200e-003
Total	1.0000e-004	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9800e-003	1.9800e-003	1.0000e-005	0.0000	2.1200e-003

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-004	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9800e-003	1.9800e-003	1.0000e-005	0.0000	2.1200e-003
Total	1.0000e-004	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.9800e-003	1.9800e-003	1.0000e-005	0.0000	2.1200e-003

7.0 Water Detail

7.1 Mitigation Measures Water

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3390.0003 Phase 3 Construction Tier 3/4
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	50.00	1000sqft	9.63	50,000.00	0
Parking Lot	61.00	Space	0.55	24,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

Project Characteristics -

Land Use - General light industry encompasses the new recycling processing canopy structure

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Demolition - Demolition consists of total portion of existing buildings to be demolished (main building-transfer station, HHW area, canopies, gate house)

Grading - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblAreaCoating	ReapplicationRatePercent	10	0

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	200.00
tblConstructionPhase	NumDays	30.00	40.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-10
tblEnergyUse	LightingElect	1.81	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	1.85	0.00
tblEnergyUse	NT24NG	0.31	0.00
tblEnergyUse	T24E	0.62	0.00
tblEnergyUse	T24NG	3.20	0.00
tblGrading	AcresOfGrading	100.00	10.18
tblGrading	MaterialExported	0.00	7,000.00
tblGrading	MaterialImported	0.00	7,000.00
tblLandUse	LotAcreage	1.15	9.63
tblRoadDust	RoadPercentPave	100	0
tblSolidWaste	SolidWasteGenerationRate	62.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	91.00
tblTripsAndVMT	HaulingTripNumber	875.00	700.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	11,562,500.00	0.00

2.0 Emissions Summary

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.6122	107.9212	61.9425	0.1725	10.2699	3.9507	14.2206	4.1611	3.6547	7.8159	0.0000	17,235.9749	17,235.9749	3.0734	0.0000	17,312.8103
2021	39.0252	33.3621	35.1724	0.0602	0.5079	1.7377	2.2456	0.1365	1.6257	1.7622	0.0000	5,801.8964	5,801.8964	1.3673	0.0000	5,836.0787
Maximum	39.0252	107.9212	61.9425	0.1725	10.2699	3.9507	14.2206	4.1611	3.6547	7.8159	0.0000	17,235.9749	17,235.9749	3.0734	0.0000	17,312.8103

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.6242	50.7077	65.0509	0.1725	5.1180	1.6813	6.4829	1.9252	1.6763	3.4904	0.0000	17,235.9749	17,235.9749	3.0734	0.0000	17,312.8103
2021	36.9441	28.3624	39.1283	0.0602	0.5079	1.6152	2.1231	0.1365	1.6148	1.7513	0.0000	5,801.8964	5,801.8964	1.3673	0.0000	5,836.0787
Maximum	36.9441	50.7077	65.0509	0.1725	5.1180	1.6813	6.4829	1.9252	1.6763	3.4904	0.0000	17,235.9749	17,235.9749	3.0734	0.0000	17,312.8103

	ROG	NOx	CO	SO2	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	16.94	44.03	-7.27	0.00	47.80	42.05	47.73	52.03	37.67	45.27	0.00	0.00	0.00	0.00	0.00	0.00

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County 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	1.0700e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	1.0700e-003	1.0000e-004	0.0114	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005	0.0000	0.0259

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	1.0700e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	1.0700e-003	1.0000e-004	0.0114	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005	0.0000	0.0259

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 3 Demolition	Demolition	3/10/2020	4/6/2020	5	20	
2	Phase 3 Lime Remediation	Grading	4/6/2020	5/29/2020	5	40	
3	Phase 3 Building Construction	Building Construction	5/29/2020	3/4/2021	5	200	
4	Architectural Coating	Architectural Coating	2/5/2021	3/4/2021	5	20	
5	Paving	Paving	2/23/2021	3/22/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 3 Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 3 Demolition	Excavators	3	8.00	158	0.38
Phase 3 Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Phase 3 Lime Remediation	Excavators	2	8.00	158	0.38
Phase 3 Lime Remediation	Graders	1	8.00	187	0.41
Phase 3 Lime Remediation	Rubber Tired Dozers	1	8.00	247	0.40
Phase 3 Lime Remediation	Scrapers	2	8.00	367	0.48
Phase 3 Lime Remediation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 3 Building Construction	Cranes	1	7.00	231	0.29
Phase 3 Building Construction	Forklifts	3	8.00	89	0.20
Phase 3 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 3 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 3 Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 3 Demolition	6	15.00	0.00	191.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3 Lime Remediation	8	20.00	0.00	700.00	10.80	7.30	91.00	LD_Mix	HDT_Mix	HHDT
Phase 3 Building Construction	9	31.00	12.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 3 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1020	0.0000	2.1020	0.3183	0.0000	0.3183			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.1020	1.6587	3.7607	0.3183	1.5419	1.8601		3,747.7049	3,747.7049	1.0580		3,774.1536

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.2 Phase 3 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0826	3.1615	0.9085	7.8500e-003	0.1647	0.0129	0.1776	0.0450	0.0123	0.0573		820.4195	820.4195	0.0102		820.6744
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	0.0813	0.0405	0.5369	1.2700e-003	0.1232	9.3000e-004	0.1242	0.0327	8.6000e-004	0.0336		126.2778	126.2778	3.9800e-003		126.3772
Total	0.1639	3.2020	1.4454	9.1200e-003	0.2879	0.0138	0.3017	0.0776	0.0132	0.0908		946.6973	946.6973	0.0142		947.0517

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					0.8198	0.0000	0.8198	0.1241	0.0000	0.1241			0.0000			0.0000
Off-Road	0.7155	11.1337	23.2798	0.0388		0.5839	0.5839		0.5839	0.5839	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.7155	11.1337	23.2798	0.0388	0.8198	0.5839	1.4037	0.1241	0.5839	0.7080	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.2 Phase 3 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0826	3.1615	0.9085	7.8500e-003	0.1647	0.0129	0.1776	0.0450	0.0123	0.0573		820.4195	820.4195	0.0102		820.6744
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	0.0813	0.0405	0.5369	1.2700e-003	0.1232	9.3000e-004	0.1242	0.0327	8.6000e-004	0.0336		126.2778	126.2778	3.9800e-003		126.3772
Total	0.1639	3.2020	1.4454	9.1200e-003	0.2879	0.0138	0.3017	0.0776	0.0132	0.0908		946.6973	946.6973	0.0142		947.0517

3.3 Phase 3 Lime Remediation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3436	0.0000	6.3436	3.3472	0.0000	3.3472			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	6.3436	2.1739	8.5175	3.3472	2.0000	5.3472		6,005.8653	6,005.8653	1.9424		6,054.4257

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.3 Phase 3 Lime Remediation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5777	21.2667	6.0697	0.0609	1.3720	0.1031	1.4751	0.3744	0.0986	0.4730		6,367.337 1	6,367.337 1	0.0536		6,368.676 3
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	0.1084	0.0540	0.7159	1.6900e-003	0.1643	1.2500e-003	0.1655	0.0436	1.1500e-003	0.0447		168.3704	168.3704	5.3000e-003		168.5030
Total	0.6861	21.3207	6.7856	0.0626	1.5363	0.1043	1.6406	0.4180	0.0997	0.5177		6,535.707 5	6,535.707 5	0.0589		6,537.179 3

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					2.4740	0.0000	2.4740	1.3054	0.0000	1.3054			0.0000			0.0000
Off-Road	1.0457	13.5880	33.5400	0.0620		0.6629	0.6629		0.6629	0.6629	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7
Total	1.0457	13.5880	33.5400	0.0620	2.4740	0.6629	3.1369	1.3054	0.6629	1.9683	0.0000	6,005.865 3	6,005.865 3	1.9424		6,054.425 7

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.3 Phase 3 Lime Remediation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5777	21.2667	6.0697	0.0609	1.3720	0.1031	1.4751	0.3744	0.0986	0.4730		6,367.337 1	6,367.337 1	0.0536		6,368.676 3
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	0.1084	0.0540	0.7159	1.6900e-003	0.1643	1.2500e-003	0.1655	0.0436	1.1500e-003	0.0447		168.3704	168.3704	5.3000e-003		168.5030
Total	0.6861	21.3207	6.7856	0.0626	1.5363	0.1043	1.6406	0.4180	0.0997	0.5177		6,535.707 5	6,535.707 5	0.0589		6,537.179 3

3.4 Phase 3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.063 1	2,553.063 1	0.6229		2,568.634 5

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.4 Phase 3 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0504	1.4893	0.4776	3.2500e-003	0.0807	8.6500e-003	0.0894	0.0232	8.2700e-003	0.0315		339.2800	339.2800	6.6300e-003		339.4457
Worker	0.1680	0.0837	1.1096	2.6200e-003	0.2547	1.9300e-003	0.2566	0.0676	1.7800e-003	0.0693		260.9741	260.9741	8.2200e-003		261.1796
Total	0.2184	1.5730	1.5872	5.8700e-003	0.3354	0.0106	0.3460	0.0908	0.0101	0.1008		600.2541	600.2541	0.0149		600.6253

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.4 Phase 3 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0504	1.4893	0.4776	3.2500e-003	0.0807	8.6500e-003	0.0894	0.0232	8.2700e-003	0.0315		339.2800	339.2800	6.6300e-003		339.4457
Worker	0.1680	0.0837	1.1096	2.6200e-003	0.2547	1.9300e-003	0.2566	0.0676	1.7800e-003	0.0693		260.9741	260.9741	8.2200e-003		261.1796
Total	0.2184	1.5730	1.5872	5.8700e-003	0.3354	0.0106	0.3460	0.0908	0.0101	0.1008		600.2541	600.2541	0.0149		600.6253

3.4 Phase 3 Building Construction - 2021

Unmitigated Construction On-Site

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

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.4 Phase 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0410	1.3578	0.4259	3.2300e-003	0.0807	4.1200e-003	0.0849	0.0232	3.9400e-003	0.0272		336.9571	336.9571	5.7600e-003		337.1011
Worker	0.1582	0.0753	1.0138	2.5300e-003	0.2547	1.8600e-003	0.2565	0.0676	1.7100e-003	0.0693		252.1233	252.1233	7.3600e-003		252.3073
Total	0.1992	1.4331	1.4397	5.7600e-003	0.3354	5.9800e-003	0.3414	0.0908	5.6500e-003	0.0964		589.0804	589.0804	0.0131		589.4084

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.4 Phase 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0410	1.3578	0.4259	3.2300e-003	0.0807	4.1200e-003	0.0849	0.0232	3.9400e-003	0.0272		336.9571	336.9571	5.7600e-003		337.1011
Worker	0.1582	0.0753	1.0138	2.5300e-003	0.2547	1.8600e-003	0.2565	0.0676	1.7100e-003	0.0693		252.1233	252.1233	7.3600e-003		252.3073
Total	0.1992	1.4331	1.4397	5.7600e-003	0.3354	5.9800e-003	0.3414	0.0908	5.6500e-003	0.0964		589.0804	589.0804	0.0131		589.4084

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.2714					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	35.4903	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0306	0.0146	0.1962	4.9000e-004	0.0493	3.6000e-004	0.0497	0.0131	3.3000e-004	0.0134		48.7981	48.7981	1.4300e-003		48.8337
Total	0.0306	0.0146	0.1962	4.9000e-004	0.0493	3.6000e-004	0.0497	0.0131	3.3000e-004	0.0134		48.7981	48.7981	1.4300e-003		48.8337

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	35.2714					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309
Total	35.3309	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0306	0.0146	0.1962	4.9000e-004	0.0493	3.6000e-004	0.0497	0.0131	3.3000e-004	0.0134		48.7981	48.7981	1.4300e-003		48.8337
Total	0.0306	0.0146	0.1962	4.9000e-004	0.0493	3.6000e-004	0.0497	0.0131	3.3000e-004	0.0134		48.7981	48.7981	1.4300e-003		48.8337

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3276	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0766	0.0364	0.4905	1.2300e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		121.9951	121.9951	3.5600e-003		122.0842
Total	0.0766	0.0364	0.4905	1.2300e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		121.9951	121.9951	3.5600e-003		122.0842

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6330	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0766	0.0364	0.4905	1.2300e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		121.9951	121.9951	3.5600e-003		122.0842
Total	0.0766	0.0364	0.4905	1.2300e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		121.9951	121.9951	3.5600e-003		122.0842

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.521731	0.039973	0.225427	0.136952	0.032686	0.006663	0.016461	0.009421	0.001593	0.001171	0.005476	0.000813	0.001634
Parking Lot	0.521731	0.039973	0.225427	0.136952	0.032686	0.006663	0.016461	0.009421	0.001593	0.001171	0.005476	0.000813	0.001634

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County 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					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	1.0700e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259
Unmitigated	1.0700e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0600e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259
Total	1.0600e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0600e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259
Total	1.0600e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Summer

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3390.0003 Phase 3 Construction Tier 3/4
El Dorado-Mountain County County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	50.00	1000sqft	9.63	50,000.00	0
Parking Lot	61.00	Space	0.55	24,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

Project Characteristics -

Land Use - General light industry encompasses the new recycling processing canopy structure

Construction Phase - Based on 180327 El Dorado Precon Phased Schedule

Off-road Equipment -

Trips and VMT - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Demolition - Demolition consists of total portion of existing buildings to be demolished (main building-transfer station, HHW area, canopies, gate house)

Grading - Total haul trips based on 20 cubic yards truck capacity; Based on information provided by the applicant (Western El Dorado Material Recovery Facility Alternatives Final)

Architectural Coating - Based on Rule 215- all flat, nonflat, and nonflat-high gloss coatings shall be no more than 150 g/L low VOC paint

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - Construction only

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Construction Off-road Equipment Mitigation - Tier 3 for all construction equipment (except for rubber tired dozers and scrapers). All rubber tired dozers and scrapers shall be Tier 4 Final.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	150.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	150.00
tblArchitecturalCoating	EF_Parking	250.00	150.00
tblAreaCoating	ReapplicationRatePercent	10	0

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	300.00	200.00
tblConstructionPhase	NumDays	30.00	40.00
tblConsumerProducts	ROG_EF	2.14E-05	0
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	1E-10
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	1E-10
tblEnergyUse	LightingElect	1.81	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	1.85	0.00
tblEnergyUse	NT24NG	0.31	0.00
tblEnergyUse	T24E	0.62	0.00
tblEnergyUse	T24NG	3.20	0.00
tblGrading	AcresOfGrading	100.00	10.18
tblGrading	MaterialExported	0.00	7,000.00
tblGrading	MaterialImported	0.00	7,000.00
tblLandUse	LotAcreage	1.15	9.63
tblRoadDust	RoadPercentPave	100	0
tblSolidWaste	SolidWasteGenerationRate	62.00	0.00
tblTripsAndVMT	HaulingTripLength	20.00	91.00
tblTripsAndVMT	HaulingTripNumber	875.00	700.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	11,562,500.00	0.00

2.0 Emissions Summary

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	8.6191	109.1276	61.7816	0.1720	10.2699	3.9514	14.2212	4.1611	3.6554	7.8165	0.0000	17,181.9659	17,181.9659	3.0730	0.0000	17,258.7912
2021	39.0327	33.4192	35.1092	0.0597	0.5079	1.7378	2.2457	0.1365	1.6258	1.7624	0.0000	5,755.1885	5,755.1885	1.3669	0.0000	5,789.3612
Maximum	39.0327	109.1276	61.7816	0.1720	10.2699	3.9514	14.2212	4.1611	3.6554	7.8165	0.0000	17,181.9659	17,181.9659	3.0730	0.0000	17,258.7912

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	2.6332	51.8491	64.8900	0.1720	5.1180	1.6819	6.4836	1.9252	1.6768	3.4910	0.0000	17,181.9659	17,181.9659	3.0730	0.0000	17,258.7912
2021	36.9516	28.4194	39.0651	0.0597	0.5079	1.6154	2.1233	0.1365	1.6149	1.7514	0.0000	5,755.1885	5,755.1885	1.3669	0.0000	5,789.3612
Maximum	36.9516	51.8491	64.8900	0.1720	5.1180	1.6819	6.4836	1.9252	1.6768	3.4910	0.0000	17,181.9659	17,181.9659	3.0730	0.0000	17,258.7912

	ROG	NOx	CO	SO2	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	16.93	43.69	-7.29	0.00	47.80	42.04	47.73	52.03	37.67	45.27	0.00	0.00	0.00	0.00	0.00	0.00

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County 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	1.0700e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	1.0700e-003	1.0000e-004	0.0114	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005	0.0000	0.0259

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	1.0700e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	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	1.0700e-003	1.0000e-004	0.0114	0.0000	0.0000	4.0000e-005	4.0000e-005	0.0000	4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005	0.0000	0.0259

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 3 Demolition	Demolition	3/10/2020	4/6/2020	5	20	
2	Phase 3 Lime Remediation	Grading	4/6/2020	5/29/2020	5	40	
3	Phase 3 Building Construction	Building Construction	5/29/2020	3/4/2021	5	200	
4	Architectural Coating	Architectural Coating	2/5/2021	3/4/2021	5	20	
5	Paving	Paving	2/23/2021	3/22/2021	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 75,000; Non-Residential Outdoor: 25,000; Striped Parking Area: 1,464 (Architectural Coating – sqft)

OffRoad Equipment

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 3 Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 3 Demolition	Excavators	3	8.00	158	0.38
Phase 3 Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Phase 3 Lime Remediation	Excavators	2	8.00	158	0.38
Phase 3 Lime Remediation	Graders	1	8.00	187	0.41
Phase 3 Lime Remediation	Rubber Tired Dozers	1	8.00	247	0.40
Phase 3 Lime Remediation	Scrapers	2	8.00	367	0.48
Phase 3 Lime Remediation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Phase 3 Building Construction	Cranes	1	7.00	231	0.29
Phase 3 Building Construction	Forklifts	3	8.00	89	0.20
Phase 3 Building Construction	Generator Sets	1	8.00	84	0.74
Phase 3 Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Phase 3 Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Phase 3 Demolition	6	15.00	0.00	191.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 3 Lime Remediation	8	20.00	0.00	700.00	10.80	7.30	91.00	LD_Mix	HDT_Mix	HHDT
Phase 3 Building Construction	9	31.00	12.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Phase 3 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1020	0.0000	2.1020	0.3183	0.0000	0.3183			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	2.1020	1.6587	3.7607	0.3183	1.5419	1.8601		3,747.7049	3,747.7049	1.0580		3,774.1536

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.2 Phase 3 Demolition - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0846	3.2700	0.9489	7.7600e-003	0.1647	0.0131	0.1778	0.0450	0.0125	0.0575		811.3631	811.3631	0.0107		811.6314
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	0.0828	0.0501	0.5018	1.1500e-003	0.1232	9.3000e-004	0.1242	0.0327	8.6000e-004	0.0336		114.1247	114.1247	3.7000e-003		114.2173
Total	0.1674	3.3200	1.4507	8.9100e-003	0.2879	0.0140	0.3020	0.0776	0.0134	0.0910		925.4878	925.4878	0.0144		925.8487

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					0.8198	0.0000	0.8198	0.1241	0.0000	0.1241			0.0000			0.0000
Off-Road	0.7155	11.1337	23.2798	0.0388		0.5839	0.5839		0.5839	0.5839	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	0.7155	11.1337	23.2798	0.0388	0.8198	0.5839	1.4037	0.1241	0.5839	0.7080	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.2 Phase 3 Demolition - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0846	3.2700	0.9489	7.7600e-003	0.1647	0.0131	0.1778	0.0450	0.0125	0.0575		811.3631	811.3631	0.0107		811.6314
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	0.0828	0.0501	0.5018	1.1500e-003	0.1232	9.3000e-004	0.1242	0.0327	8.6000e-004	0.0336		114.1247	114.1247	3.7000e-003		114.2173
Total	0.1674	3.3200	1.4507	8.9100e-003	0.2879	0.0140	0.3020	0.0776	0.0134	0.0910		925.4878	925.4878	0.0144		925.8487

3.3 Phase 3 Lime Remediation - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.3436	0.0000	6.3436	3.3472	0.0000	3.3472			0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620		2.1739	2.1739		2.0000	2.0000		6,005.8653	6,005.8653	1.9424		6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	6.3436	2.1739	8.5175	3.3472	2.0000	5.3472		6,005.8653	6,005.8653	1.9424		6,054.4257

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.3 Phase 3 Lime Remediation - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5791	22.3423	5.9504	0.0607	1.3720	0.1035	1.4755	0.3744	0.0990	0.4734		6,350.7416	6,350.7416	0.0533		6,352.0735
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	0.1104	0.0667	0.6691	1.5300e-003	0.1643	1.2500e-003	0.1655	0.0436	1.1500e-003	0.0447		152.1663	152.1663	4.9300e-003		152.2897
Total	0.6895	22.4090	6.6195	0.0623	1.5363	0.1047	1.6410	0.4180	0.1002	0.5182		6,502.9079	6,502.9079	0.0582		6,504.3632

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					2.4740	0.0000	2.4740	1.3054	0.0000	1.3054			0.0000			0.0000
Off-Road	1.0457	13.5880	33.5400	0.0620		0.6629	0.6629		0.6629	0.6629	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257
Total	1.0457	13.5880	33.5400	0.0620	2.4740	0.6629	3.1369	1.3054	0.6629	1.9683	0.0000	6,005.8653	6,005.8653	1.9424		6,054.4257

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.3 Phase 3 Lime Remediation - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5791	22.3423	5.9504	0.0607	1.3720	0.1035	1.4755	0.3744	0.0990	0.4734		6,350.7416	6,350.7416	0.0533		6,352.0735
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	0.1104	0.0667	0.6691	1.5300e-003	0.1643	1.2500e-003	0.1655	0.0436	1.1500e-003	0.0447		152.1663	152.1663	4.9300e-003		152.2897
Total	0.6895	22.4090	6.6195	0.0623	1.5363	0.1047	1.6410	0.4180	0.1002	0.5182		6,502.9079	6,502.9079	0.0582		6,504.3632

3.4 Phase 3 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.4 Phase 3 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0530	1.5226	0.5396	3.1900e-003	0.0807	8.8200e-003	0.0896	0.0232	8.4300e-003	0.0316		333.2729	333.2729	7.1900e-003		333.4526
Worker	0.1712	0.1034	1.0371	2.3700e-003	0.2547	1.9300e-003	0.2566	0.0676	1.7800e-003	0.0693		235.8578	235.8578	7.6500e-003		236.0490
Total	0.2241	1.6260	1.5766	5.5600e-003	0.3354	0.0108	0.3461	0.0908	0.0102	0.1010		569.1306	569.1306	0.0148		569.5015

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.4 Phase 3 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0530	1.5226	0.5396	3.1900e-003	0.0807	8.8200e-003	0.0896	0.0232	8.4300e-003	0.0316		333.2729	333.2729	7.1900e-003		333.4526
Worker	0.1712	0.1034	1.0371	2.3700e-003	0.2547	1.9300e-003	0.2566	0.0676	1.7800e-003	0.0693		235.8578	235.8578	7.6500e-003		236.0490
Total	0.2241	1.6260	1.5766	5.5600e-003	0.3354	0.0108	0.3461	0.0908	0.0102	0.1010		569.1306	569.1306	0.0148		569.5015

3.4 Phase 3 Building Construction - 2021

Unmitigated Construction On-Site

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

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.4 Phase 3 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0433	1.3852	0.4823	3.1700e-003	0.0807	4.2600e-003	0.0850	0.0232	4.0800e-003	0.0273		330.9605	330.9605	6.2700e-003		331.1173
Worker	0.1613	0.0930	0.9425	2.2900e-003	0.2547	1.8600e-003	0.2565	0.0676	1.7100e-003	0.0693		227.8531	227.8531	6.8300e-003		228.0238
Total	0.2046	1.4782	1.4248	5.4600e-003	0.3354	6.1200e-003	0.3415	0.0908	5.7900e-003	0.0965		558.8136	558.8136	0.0131		559.1410

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.4 Phase 3 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0433	1.3852	0.4823	3.1700e-003	0.0807	4.2600e-003	0.0850	0.0232	4.0800e-003	0.0273		330.9605	330.9605	6.2700e-003		331.1173
Worker	0.1613	0.0930	0.9425	2.2900e-003	0.2547	1.8600e-003	0.2565	0.0676	1.7100e-003	0.0693		227.8531	227.8531	6.8300e-003		228.0238
Total	0.2046	1.4782	1.4248	5.4600e-003	0.3354	6.1200e-003	0.3415	0.0908	5.7900e-003	0.0965		558.8136	558.8136	0.0131		559.1410

3.5 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	35.2714					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	35.4903	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.5 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0312	0.0180	0.1824	4.4000e-004	0.0493	3.6000e-004	0.0497	0.0131	3.3000e-004	0.0134		44.1006	44.1006	1.3200e-003		44.1336
Total	0.0312	0.0180	0.1824	4.4000e-004	0.0493	3.6000e-004	0.0497	0.0131	3.3000e-004	0.0134		44.1006	44.1006	1.3200e-003		44.1336

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	35.2714					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309
Total	35.3309	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.5 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0312	0.0180	0.1824	4.4000e-004	0.0493	3.6000e-004	0.0497	0.0131	3.3000e-004	0.0134		44.1006	44.1006	1.3200e-003		44.1336
Total	0.0312	0.0180	0.1824	4.4000e-004	0.0493	3.6000e-004	0.0497	0.0131	3.3000e-004	0.0134		44.1006	44.1006	1.3200e-003		44.1336

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3276	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0780	0.0450	0.4560	1.1100e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		110.2515	110.2515	3.3000e-003		110.3341
Total	0.0780	0.0450	0.4560	1.1100e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		110.2515	110.2515	3.3000e-003		110.3341

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0721					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6330	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0780	0.0450	0.4560	1.1100e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		110.2515	110.2515	3.3000e-003		110.3341
Total	0.0780	0.0450	0.4560	1.1100e-003	0.1232	9.0000e-004	0.1241	0.0327	8.3000e-004	0.0335		110.2515	110.2515	3.3000e-003		110.3341

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.521731	0.039973	0.225427	0.136952	0.032686	0.006663	0.016461	0.009421	0.001593	0.001171	0.005476	0.000813	0.001634
Parking Lot	0.521731	0.039973	0.225427	0.136952	0.032686	0.006663	0.016461	0.009421	0.001593	0.001171	0.005476	0.000813	0.001634

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County 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					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	1.0700e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259
Unmitigated	1.0700e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0600e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259
Total	1.0600e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0600e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259
Total	1.0600e-003	1.0000e-004	0.0114	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.0243	0.0243	6.0000e-005		0.0259

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3390.0003 Phase 3 Construction Tier 3/4 - El Dorado-Mountain County County, Winter

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

3390.0003 Phase 1+2 Operations
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	100.98	1000sqft	9.63	100,977.00	0
Parking Lot	61.00	Space	0.55	24,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

Project Characteristics -

Land Use - Total lot acreage:10.18

Construction Phase - Operations only

Off-road Equipment - Operations only

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	50,489.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	151,466.00	0.00
tblArchitecturalCoating	ConstArea_Parking	1,464.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Parking	250	150
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	20.00	1.00
tblLandUse	LandUseSquareFeet	100,980.00	100,977.00
tblLandUse	LotAcreage	2.32	9.63
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblTripsAndVMT	WorkerTripNumber	11.00	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00

2.0 Emissions Summary

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

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					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated 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					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	0.4668	1.0000e-005	1.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8900e-003	2.8900e-003	1.0000e-005	0.0000	3.0900e-003
Energy	1.9100e-003	0.0174	0.0146	1.0000e-004		1.3200e-003	1.3200e-003		1.3200e-003	1.3200e-003	0.0000	147.1247	147.1247	6.1600e-003	1.5500e-003	147.7394
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	25.4185	0.0000	25.4185	1.5022	0.0000	62.9733
Water						0.0000	0.0000		0.0000	0.0000	7.4084	36.7583	44.1667	0.7626	0.0183	68.6877
Total	0.4687	0.0174	0.0161	1.0000e-004	0.0000	1.3300e-003	1.3300e-003	0.0000	1.3300e-003	1.3300e-003	32.8269	183.8859	216.7128	2.2709	0.0199	279.4035

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

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	0.4668	1.0000e-005	1.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8900e-003	2.8900e-003	1.0000e-005	0.0000	3.0900e-003
Energy	1.9100e-003	0.0174	0.0146	1.0000e-004		1.3200e-003	1.3200e-003		1.3200e-003	1.3200e-003	0.0000	147.1247	147.1247	6.1600e-003	1.5500e-003	147.7394
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	25.4185	0.0000	25.4185	1.5022	0.0000	62.9733
Water						0.0000	0.0000		0.0000	0.0000	7.4084	36.7583	44.1667	0.7626	0.0183	68.6877
Total	0.4687	0.0174	0.0161	1.0000e-004	0.0000	1.3300e-003	1.3300e-003	0.0000	1.3300e-003	1.3300e-003	32.8269	183.8859	216.7128	2.2709	0.0199	279.4035

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/24/2018	4/24/2018	5	1	

Acres of Grading (Site Preparation Phase): 0

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

3.2 Architectural Coating - 2018

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

3.2 Architectural Coating - 2018

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.493048	0.045614	0.226310	0.149206	0.042262	0.008296	0.014581	0.008742	0.001550	0.001340	0.006001	0.000863	0.002188
Parking Lot	0.493048	0.045614	0.226310	0.149206	0.042262	0.008296	0.014581	0.008742	0.001550	0.001340	0.006001	0.000863	0.002188

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	128.2110	128.2110	5.8000e-003	1.2000e-003	128.7133
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	128.2110	128.2110	5.8000e-003	1.2000e-003	128.7133
NaturalGas Mitigated	1.9100e-003	0.0174	0.0146	1.0000e-004		1.3200e-003	1.3200e-003		1.3200e-003	1.3200e-003	0.0000	18.9137	18.9137	3.6000e-004	3.5000e-004	19.0261
NaturalGas Unmitigated	1.9100e-003	0.0174	0.0146	1.0000e-004		1.3200e-003	1.3200e-003		1.3200e-003	1.3200e-003	0.0000	18.9137	18.9137	3.6000e-004	3.5000e-004	19.0261

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	354429	1.9100e-003	0.0174	0.0146	1.0000e-004		1.3200e-003	1.3200e-003		1.3200e-003	1.3200e-003	0.0000	18.9137	18.9137	3.6000e-004	3.5000e-004	19.0261
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		1.9100e-003	0.0174	0.0146	1.0000e-004		1.3200e-003	1.3200e-003		1.3200e-003	1.3200e-003	0.0000	18.9137	18.9137	3.6000e-004	3.5000e-004	19.0261

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	354429	1.9100e-003	0.0174	0.0146	1.0000e-004		1.3200e-003	1.3200e-003		1.3200e-003	1.3200e-003	0.0000	18.9137	18.9137	3.6000e-004	3.5000e-004	19.0261
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		1.9100e-003	0.0174	0.0146	1.0000e-004		1.3200e-003	1.3200e-003		1.3200e-003	1.3200e-003	0.0000	18.9137	18.9137	3.6000e-004	3.5000e-004	19.0261

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	432182	125.7266	5.6800e-003	1.1800e-003	126.2192
Parking Lot	8540	2.4844	1.1000e-004	2.0000e-005	2.4941
Total		128.2110	5.7900e-003	1.2000e-003	128.7133

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	432182	125.7266	5.6800e-003	1.1800e-003	126.2192
Parking Lot	8540	2.4844	1.1000e-004	2.0000e-005	2.4941
Total		128.2110	5.7900e-003	1.2000e-003	128.7133

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4668	1.0000e-005	1.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8900e-003	2.8900e-003	1.0000e-005	0.0000	3.0900e-003
Unmitigated	0.4668	1.0000e-005	1.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8900e-003	2.8900e-003	1.0000e-005	0.0000	3.0900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3959					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8900e-003	2.8900e-003	1.0000e-005	0.0000	3.0900e-003
Total	0.4668	1.0000e-005	1.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8900e-003	2.8900e-003	1.0000e-005	0.0000	3.0900e-003

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0707					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3959					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8900e-003	2.8900e-003	1.0000e-005	0.0000	3.0900e-003
Total	0.4668	1.0000e-005	1.5100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8900e-003	2.8900e-003	1.0000e-005	0.0000	3.0900e-003

7.0 Water Detail

7.1 Mitigation Measures Water

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	44.1667	0.7626	0.0183	68.6877
Unmitigated	44.1667	0.7626	0.0183	68.6877

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	23.3516 / 0	44.1667	0.7626	0.0183	68.6877
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		44.1667	0.7626	0.0183	68.6877

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	23.3516 / 0	44.1667	0.7626	0.0183	68.6877
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		44.1667	0.7626	0.0183	68.6877

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	25.4185	1.5022	0.0000	62.9733
Unmitigated	25.4185	1.5022	0.0000	62.9733

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	125.22	25.4185	1.5022	0.0000	62.9733
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		25.4185	1.5022	0.0000	62.9733

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	125.22	25.4185	1.5022	0.0000	62.9733
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		25.4185	1.5022	0.0000	62.9733

9.0 Operational Offroad

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

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

3390.0003 Phase 1+2 Operations
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	100.98	1000sqft	9.63	100,977.00	0
Parking Lot	61.00	Space	0.55	24,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

Project Characteristics -

Land Use - Total lot acreage:10.18

Construction Phase - Operations only

Off-road Equipment - Operations only

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	50,489.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	151,466.00	0.00
tblArchitecturalCoating	ConstArea_Parking	1,464.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Parking	250	150
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	20.00	1.00
tblLandUse	LandUseSquareFeet	100,980.00	100,977.00
tblLandUse	LotAcreage	2.32	9.63
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblTripsAndVMT	WorkerTripNumber	11.00	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00

2.0 Emissions Summary

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

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					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated 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					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County 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	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379
Energy	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188
Mobile	0.0000	0.0000	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	2.5691	0.0954	0.0967	5.7000e-004	0.0000	7.3000e-003	7.3000e-003	0.0000	7.3000e-003	7.3000e-003		114.2753	114.2753	2.2900e-003	2.0900e-003	114.9566

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	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379
Energy	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188
Mobile	0.0000	0.0000	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	2.5691	0.0954	0.0967	5.7000e-004	0.0000	7.3000e-003	7.3000e-003	0.0000	7.3000e-003	7.3000e-003		114.2753	114.2753	2.2900e-003	2.0900e-003	114.9566

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/24/2018	4/24/2018	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

3.2 Architectural Coating - 2018

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

3.2 Architectural Coating - 2018

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.493048	0.045614	0.226310	0.149206	0.042262	0.008296	0.014581	0.008742	0.001550	0.001340	0.006001	0.000863	0.002188
Parking Lot	0.493048	0.045614	0.226310	0.149206	0.042262	0.008296	0.014581	0.008742	0.001550	0.001340	0.006001	0.000863	0.002188

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188
NaturalGas Unmitigated	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County 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					
General Light Industry	971.039	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.971039	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379
Unmitigated	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379

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	0.3875					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6000e-003	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379
Total	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3875					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6000e-003	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379
Total	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Summer

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

3390.0003 Phase 1+2 Operations
El Dorado-Mountain County County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	100.98	1000sqft	9.63	100,977.00	0
Parking Lot	61.00	Space	0.55	24,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

Project Characteristics -

Land Use - Total lot acreage:10.18

Construction Phase - Operations only

Off-road Equipment - Operations only

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation -

Operational Off-Road Equipment -

Fleet Mix -

Stationary Sources - Emergency Generators and Fire Pumps -

Stationary Sources - Process Boilers -

Stationary Sources - User Defined -

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	50,489.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	151,466.00	0.00
tblArchitecturalCoating	ConstArea_Parking	1,464.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150
tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Parking	250	150
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstructionPhase	NumDays	20.00	1.00
tblLandUse	LandUseSquareFeet	100,980.00	100,977.00
tblLandUse	LotAcreage	2.32	9.63
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblTripsAndVMT	WorkerTripNumber	11.00	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00

2.0 Emissions Summary

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated 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					
2018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County 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	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379
Energy	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188
Mobile	0.0000	0.0000	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	2.5691	0.0954	0.0967	5.7000e-004	0.0000	7.3000e-003	7.3000e-003	0.0000	7.3000e-003	7.3000e-003		114.2753	114.2753	2.2900e-003	2.0900e-003	114.9566

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	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379
Energy	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188
Mobile	0.0000	0.0000	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	2.5691	0.0954	0.0967	5.7000e-004	0.0000	7.3000e-003	7.3000e-003	0.0000	7.3000e-003	7.3000e-003		114.2753	114.2753	2.2900e-003	2.0900e-003	114.9566

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	4/24/2018	4/24/2018	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

3.2 Architectural Coating - 2018

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

3.2 Architectural Coating - 2018

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.493048	0.045614	0.226310	0.149206	0.042262	0.008296	0.014581	0.008742	0.001550	0.001340	0.006001	0.000863	0.002188
Parking Lot	0.493048	0.045614	0.226310	0.149206	0.042262	0.008296	0.014581	0.008742	0.001550	0.001340	0.006001	0.000863	0.002188

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188
NaturalGas Unmitigated	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County 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					
General Light Industry	971.039	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	0.971039	0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0105	0.0952	0.0800	5.7000e-004		7.2400e-003	7.2400e-003		7.2400e-003	7.2400e-003		114.2399	114.2399	2.1900e-003	2.0900e-003	114.9188

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379
Unmitigated	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379

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	0.3875					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6000e-003	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379
Total	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3875					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1696					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6000e-003	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379
Total	2.5586	1.6000e-004	0.0168	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0355	0.0355	1.0000e-004		0.0379

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3390.0003 Phase 1+2 Operations - El Dorado-Mountain County County, Winter

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

3390.0003 Phase 3 Operations
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	108.93	1000sqft	9.63	108,927.00	0
Parking Lot	61.00	Space	0.55	24,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

Project Characteristics - .

Land Use - Total lot acreage:10.18

Construction Phase - Long term operations: use of a grinding machine (Terminator 6000S Low Speed Mobile Shredder); equipment modeled in construction run to incorporate tier 4 final mitigation

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing site mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Operational Off-Road Equipment - New single stream plant includes drum feeder, steel pan belt, feed and belt conveyors, transfer slider beds, small and large trammels, glass breakers, drum magnet, drum magnet pan feeder, ballistic screens, storage silos, dual ram baler, and more.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	54,464.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	163,391.00	0.00
tblArchitecturalCoating	ConstArea_Parking	1,464.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Parking	250	150
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	300.00	261.00
tblFleetMix	HHD	9.4210e-003	9.0130e-003
tblFleetMix	HHD	9.4210e-003	9.0130e-003
tblFleetMix	LDA	0.52	0.50
tblFleetMix	LDA	0.52	0.50
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.23	0.23
tblFleetMix	LDT2	0.23	0.23
tblFleetMix	LHD1	0.03	0.04
tblFleetMix	LHD1	0.03	0.04
tblFleetMix	LHD2	6.6630e-003	7.6950e-003
tblFleetMix	LHD2	6.6630e-003	7.6950e-003
tblFleetMix	MCY	5.4760e-003	5.8140e-003
tblFleetMix	MCY	5.4760e-003	5.8140e-003
tblFleetMix	MDV	0.14	0.14
tblFleetMix	MDV	0.14	0.14
tblFleetMix	MH	1.6340e-003	1.9860e-003
tblFleetMix	MH	1.6340e-003	1.9860e-003
tblFleetMix	MHD	0.02	0.02

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	1.5930e-003	1.5650e-003
tblFleetMix	OBUS	1.5930e-003	1.5650e-003
tblFleetMix	SBUS	8.1300e-004	8.4300e-004
tblFleetMix	SBUS	8.1300e-004	8.4300e-004
tblFleetMix	UBUS	1.1710e-003	1.2500e-003
tblFleetMix	UBUS	1.1710e-003	1.2500e-003
tblLandUse	LandUseSquareFeet	108,930.00	108,927.00
tblLandUse	LotAcreage	2.50	9.63
tblOffRoadEquipment	HorsePower	88.00	583.00
tblOffRoadEquipment	LoadFactor	0.34	0.75
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	264.00

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperHorsePower	88.00	552.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperLoadFactor	0.34	0.40
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	22.00	0.00
tblTripsAndVMT	WorkerTripNumber	11.00	0.00
tblTripsAndVMT	WorkerTripNumber	56.00	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00

2.0 Emissions Summary

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

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					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.1671	1.3956	1.4724	4.9200e-003	0.0000	0.0547	0.0547	0.0000	0.0503	0.0503	0.0000	432.2620	432.2620	0.1398	0.0000	435.7571
Maximum	0.1671	1.3956	1.4724	4.9200e-003	0.0000	0.0547	0.0547	0.0000	0.0503	0.0503	0.0000	432.2620	432.2620	0.1398	0.0000	435.7571

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					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.0604	0.2617	2.2141	4.9200e-003	0.0000	8.0500e-003	8.0500e-003	0.0000	8.0500e-003	8.0500e-003	0.0000	432.2615	432.2615	0.1398	0.0000	435.7566
Maximum	0.0604	0.2617	2.2141	4.9200e-003	0.0000	8.0500e-003	8.0500e-003	0.0000	8.0500e-003	8.0500e-003	0.0000	432.2615	432.2615	0.1398	0.0000	435.7566

	ROG	NOx	CO	SO2	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	63.86	81.25	-50.37	0.00	0.00	85.29	85.29	0.00	84.01	84.01	0.00	0.00	0.00	0.00	0.00	0.00

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
9	1-1-2021	3-31-2021	0.3849	0.0793
10	4-1-2021	6-30-2021	0.3892	0.0802
11	7-1-2021	9-30-2021	0.3934	0.0811
		Highest	0.3934	0.0811

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	0.5034	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0400e-003	3.0400e-003	1.0000e-005	0.0000	3.2400e-003
Energy	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	158.5123	158.5123	6.6400e-003	1.6700e-003	159.1747
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Offroad	0.0427	0.3564	0.3760	1.2600e-003		0.0140	0.0140		0.0129	0.0129	0.0000	110.3951	110.3951	0.0357	0.0000	111.2877
Waste						0.0000	0.0000		0.0000	0.0000	27.4180	0.0000	27.4180	1.6204	0.0000	67.9269
Water						0.0000	0.0000		0.0000	0.0000	7.9916	39.6522	47.6439	0.8226	0.0198	74.0953
Total	0.5481	0.3752	0.3933	1.3700e-003	0.0000	0.0154	0.0154	0.0000	0.0143	0.0143	35.4096	308.5627	343.9723	2.4853	0.0214	412.4879

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

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	0.5034	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0400e-003	3.0400e-003	1.0000e-005	0.0000	3.2400e-003
Energy	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	158.5123	158.5123	6.6400e-003	1.6700e-003	159.1747
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Offroad	0.0427	0.3564	0.3760	1.2600e-003		0.0140	0.0140		0.0129	0.0129	0.0000	110.3951	110.3951	0.0357	0.0000	111.2877
Waste						0.0000	0.0000		0.0000	0.0000	27.4180	0.0000	27.4180	1.6204	0.0000	67.9269
Water						0.0000	0.0000		0.0000	0.0000	7.9916	39.6522	47.6439	0.8226	0.0198	74.0953
Total	0.5481	0.3752	0.3933	1.3700e-003	0.0000	0.0154	0.0154	0.0000	0.0143	0.0143	35.4096	308.5627	343.9723	2.4853	0.0214	412.4879

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

3.0 Construction Detail

Construction Phase

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	2/25/2020	3/23/2020	5	1	
2	Grinding Machine Operations	Building Construction	1/1/2021	12/31/2021	5	261	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grinding Machine Operations	Cranes	0	8.00	231	0.29
Grinding Machine Operations	Forklifts	0	7.00	89	0.20
Grinding Machine Operations	Generator Sets	0	8.00	84	0.74
Grinding Machine Operations	Other General Industrial Equipment	1	8.00	583	0.75
Grinding Machine Operations	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Grinding Machine Operations	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grinding Machine Operations	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

Use Cleaner Engines for Construction Equipment

3.2 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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

3.2 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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

3.3 Grinding Machine Operations - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1671	1.3956	1.4724	4.9200e-003		0.0547	0.0547		0.0503	0.0503	0.0000	432.2620	432.2620	0.1398	0.0000	435.7571
Total	0.1671	1.3956	1.4724	4.9200e-003		0.0547	0.0547		0.0503	0.0503	0.0000	432.2620	432.2620	0.1398	0.0000	435.7571

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

3.3 Grinding Machine Operations - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0604	0.2617	2.2141	4.9200e-003		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	432.2615	432.2615	0.1398	0.0000	435.7566
Total	0.0604	0.2617	2.2141	4.9200e-003		8.0500e-003	8.0500e-003		8.0500e-003	8.0500e-003	0.0000	432.2615	432.2615	0.1398	0.0000	435.7566

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.503470	0.043416	0.226017	0.144790	0.038824	0.007695	0.015319	0.009013	0.001565	0.001250	0.005814	0.000843	0.001986
Parking Lot	0.503470	0.043416	0.226017	0.144790	0.038824	0.007695	0.015319	0.009013	0.001565	0.001250	0.005814	0.000843	0.001986

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	138.1095	138.1095	6.2400e-003	1.2900e-003	138.6507
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	138.1095	138.1095	6.2400e-003	1.2900e-003	138.6507
NaturalGas Mitigated	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.4028	20.4028	3.9000e-004	3.7000e-004	20.5240
NaturalGas Unmitigated	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.4028	20.4028	3.9000e-004	3.7000e-004	20.5240

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	382334	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.4028	20.4028	3.9000e-004	3.7000e-004	20.5240
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		2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.4028	20.4028	3.9000e-004	3.7000e-004	20.5240

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	382334	2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.4028	20.4028	3.9000e-004	3.7000e-004	20.5240
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		2.0600e-003	0.0187	0.0157	1.1000e-004		1.4200e-003	1.4200e-003		1.4200e-003	1.4200e-003	0.0000	20.4028	20.4028	3.9000e-004	3.7000e-004	20.5240

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	466208	135.6251	6.1300e-003	1.2700e-003	136.1565
Parking Lot	8540	2.4844	1.1000e-004	2.0000e-005	2.4941
Total		138.1095	6.2400e-003	1.2900e-003	138.6507

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	466208	135.6251	6.1300e-003	1.2700e-003	136.1565
Parking Lot	8540	2.4844	1.1000e-004	2.0000e-005	2.4941
Total		138.1095	6.2400e-003	1.2900e-003	138.6507

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5034	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0400e-003	3.0400e-003	1.0000e-005	0.0000	3.2400e-003
Unmitigated	0.5034	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0400e-003	3.0400e-003	1.0000e-005	0.0000	3.2400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0762					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0400e-003	3.0400e-003	1.0000e-005	0.0000	3.2400e-003
Total	0.5034	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0400e-003	3.0400e-003	1.0000e-005	0.0000	3.2400e-003

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0762					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.5000e-004	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0400e-003	3.0400e-003	1.0000e-005	0.0000	3.2400e-003
Total	0.5034	1.0000e-005	1.5700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.0400e-003	3.0400e-003	1.0000e-005	0.0000	3.2400e-003

7.0 Water Detail

7.1 Mitigation Measures Water

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	47.6439	0.8226	0.0198	74.0953
Unmitigated	47.6439	0.8226	0.0198	74.0953

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	25.1901 / 0	47.6439	0.8226	0.0198	74.0953
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		47.6439	0.8226	0.0198	74.0953

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	25.1901 / 0	47.6439	0.8226	0.0198	74.0953
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		47.6439	0.8226	0.0198	74.0953

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	27.4180	1.6204	0.0000	67.9269
Unmitigated	27.4180	1.6204	0.0000	67.9269

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	135.07	27.4180	1.6204	0.0000	67.9269
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		27.4180	1.6204	0.0000	67.9269

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	135.07	27.4180	1.6204	0.0000	67.9269
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		27.4180	1.6204	0.0000	67.9269

9.0 Operational Offroad

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Annual

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Other General Industrial Equipment	1	4.00	264	552	0.40	Electrical

UnMitigated/Mitigated

Equipment Type	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Other General Industrial Equipment	0.0427	0.3564	0.3760	1.2600e-003		0.0140	0.0140		0.0129	0.0129	0.0000	110.3951	110.3951	0.0357	0.0000	111.2877
Total	0.0427	0.3564	0.3760	1.2600e-003		0.0140	0.0140		0.0129	0.0129	0.0000	110.3951	110.3951	0.0357	0.0000	111.2877

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

3390.0003 Phase 3 Operations
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	108.93	1000sqft	9.63	108,927.00	0
Parking Lot	61.00	Space	0.55	24,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

Project Characteristics - .

Land Use - Total lot acreage:10.18

Construction Phase - Long term operations: use of a grinding machine (Terminator 6000S Low Speed Mobile Shredder); equipment modeled in construction run to incorporate tier 4 final mitigation

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing site mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Operational Off-Road Equipment - New single stream plant includes drum feeder, steel pan belt, feed and belt conveyors, transfer slider beds, small and large trammels, glass breakers, drum magnet, drum magnet pan feeder, ballistic screens, storage silos, dual ram baler, and more.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	54,464.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	163,391.00	0.00
tblArchitecturalCoating	ConstArea_Parking	1,464.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Parking	250	150
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	300.00	261.00
tblFleetMix	HHD	9.4210e-003	9.0130e-003
tblFleetMix	HHD	9.4210e-003	9.0130e-003
tblFleetMix	LDA	0.52	0.50
tblFleetMix	LDA	0.52	0.50
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.23	0.23
tblFleetMix	LDT2	0.23	0.23
tblFleetMix	LHD1	0.03	0.04
tblFleetMix	LHD1	0.03	0.04
tblFleetMix	LHD2	6.6630e-003	7.6950e-003
tblFleetMix	LHD2	6.6630e-003	7.6950e-003
tblFleetMix	MCY	5.4760e-003	5.8140e-003
tblFleetMix	MCY	5.4760e-003	5.8140e-003
tblFleetMix	MDV	0.14	0.14
tblFleetMix	MDV	0.14	0.14
tblFleetMix	MH	1.6340e-003	1.9860e-003
tblFleetMix	MH	1.6340e-003	1.9860e-003
tblFleetMix	MHD	0.02	0.02

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	1.5930e-003	1.5650e-003
tblFleetMix	OBUS	1.5930e-003	1.5650e-003
tblFleetMix	SBUS	8.1300e-004	8.4300e-004
tblFleetMix	SBUS	8.1300e-004	8.4300e-004
tblFleetMix	UBUS	1.1710e-003	1.2500e-003
tblFleetMix	UBUS	1.1710e-003	1.2500e-003
tblLandUse	LandUseSquareFeet	108,930.00	108,927.00
tblLandUse	LotAcreage	2.50	9.63
tblOffRoadEquipment	HorsePower	88.00	583.00
tblOffRoadEquipment	LoadFactor	0.34	0.75
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	264.00

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperHorsePower	88.00	552.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperLoadFactor	0.34	0.40
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	22.00	0.00
tblTripsAndVMT	WorkerTripNumber	11.00	0.00
tblTripsAndVMT	WorkerTripNumber	56.00	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00

2.0 Emissions Summary

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	1.2801	10.6941	11.2827	0.0377	0.0000	0.4193	0.4193	0.0000	0.3858	0.3858	0.0000	3,651.243 9	3,651.243 9	1.1809	0.0000	3,680.766 1
Maximum	1.2801	10.6941	11.2827	0.0377	0.0000	0.4193	0.4193	0.0000	0.3858	0.3858	0.0000	3,651.243 9	3,651.243 9	1.1809	0.0000	3,680.766 1

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.4627	2.0051	16.9659	0.0377	0.0000	0.0617	0.0617	0.0000	0.0617	0.0617	0.0000	3,651.243 9	3,651.243 9	1.1809	0.0000	3,680.766 1
Maximum	0.4627	2.0051	16.9659	0.0377	0.0000	0.0617	0.0617	0.0000	0.0617	0.0617	0.0000	3,651.243 9	3,651.243 9	1.1809	0.0000	3,680.766 1

	ROG	NOx	CO	SO2	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	63.85	81.25	-50.37	0.00	0.00	85.29	85.29	0.00	84.01	84.01	0.00	0.00	0.00	0.00	0.00	0.00

3390.0003 Phase 3 Operations - El Dorado-Mountain County 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	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397
Energy	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	0.3232	2.7001	2.8487	9.5300e-003		0.1059	0.1059		0.0974	0.0974		921.8921	921.8921	0.2982		929.3461
Total	3.0936	2.8030	2.9524	0.0102	0.0000	0.1137	0.1137	0.0000	0.1053	0.1053		1,045.1634	1,045.1634	0.3006	2.2600e-003	1,053.3522

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

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	lb/day										lb/day					
Area	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397
Energy	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	0.3232	2.7001	2.8487	9.5300e-003		0.1059	0.1059		0.0974	0.0974		921.8921	921.8921	0.2982		929.3461
Total	3.0936	2.8030	2.9524	0.0102	0.0000	0.1137	0.1137	0.0000	0.1053	0.1053		1,045.1634	1,045.1634	0.3006	2.2600e-003	1,053.3522

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	2/25/2020	3/23/2020	5	1	
2	Grinding Machine Operations	Building Construction	1/1/2021	12/31/2021	5	261	

Acres of Grading (Site Preparation Phase): 0

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grinding Machine Operations	Cranes	0	8.00	231	0.29
Grinding Machine Operations	Forklifts	0	7.00	89	0.20
Grinding Machine Operations	Generator Sets	0	8.00	84	0.74
Grinding Machine Operations	Other General Industrial Equipment	1	8.00	583	0.75
Grinding Machine Operations	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Grinding Machine Operations	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grinding Machine Operations	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

3.2 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

3.2 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

3.3 Grinding Machine Operations - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2801	10.6941	11.2827	0.0377		0.4193	0.4193		0.3858	0.3858		3,651.2439	3,651.2439	1.1809		3,680.7661
Total	1.2801	10.6941	11.2827	0.0377		0.4193	0.4193		0.3858	0.3858		3,651.2439	3,651.2439	1.1809		3,680.7661

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

3.3 Grinding Machine Operations - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4627	2.0051	16.9659	0.0377		0.0617	0.0617		0.0617	0.0617	0.0000	3,651.2439	3,651.2439	1.1809		3,680.7661
Total	0.4627	2.0051	16.9659	0.0377		0.0617	0.0617		0.0617	0.0617	0.0000	3,651.2439	3,651.2439	1.1809		3,680.7661

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

3390.0003 Phase 3 Operations - El Dorado-Mountain County 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.503470	0.043416	0.226017	0.144790	0.038824	0.007695	0.015319	0.009013	0.001565	0.001250	0.005814	0.000843	0.001986
Parking Lot	0.503470	0.043416	0.226017	0.144790	0.038824	0.007695	0.015319	0.009013	0.001565	0.001250	0.005814	0.000843	0.001986

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664
NaturalGas Unmitigated	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664

3390.0003 Phase 3 Operations - El Dorado-Mountain County 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					
General Light Industry	1047.49	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.04749	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 3 Operations - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397
Unmitigated	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397

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	0.4178					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3397					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6300e-003	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397
Total	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4178					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3397					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6300e-003	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397
Total	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Other General Industrial Equipment	1	4.00	264	552	0.40	Electrical

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Summer

UnMitigated/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
Equipment Type	lb/day										lb/day					
Other General Industrial Equipment	0.3232	2.7001	2.8487	9.5300e-003		0.1059	0.1059		0.0974	0.0974		921.8921	921.8921	0.2982		929.3461
Total	0.3232	2.7001	2.8487	9.5300e-003		0.1059	0.1059		0.0974	0.0974		921.8921	921.8921	0.2982		929.3461

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

3390.0003 Phase 3 Operations
El Dorado-Mountain County County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	108.93	1000sqft	9.63	108,927.00	0
Parking Lot	61.00	Space	0.55	24,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2021
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

Project Characteristics - .

Land Use - Total lot acreage:10.18

Construction Phase - Long term operations: use of a grinding machine (Terminator 6000S Low Speed Mobile Shredder); equipment modeled in construction run to incorporate tier 4 final mitigation

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Off-road Equipment - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Trips and VMT - Operations only

On-road Fugitive Dust - Operations only

Architectural Coating - Operations only

Vehicle Trips - No increase in existing site mobile trips

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Water And Wastewater -

Solid Waste -

Construction Off-road Equipment Mitigation - Grinding machine will be powered by a Caterpillar (CAT) C18 583 HP tier 4 final diesel engine

Operational Off-Road Equipment - New single stream plant includes drum feeder, steel pan belt, feed and belt conveyors, transfer slider beds, small and large trammels, glass breakers, drum magnet, drum magnet pan feeder, ballistic screens, storage silos, dual ram baler, and more.

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	54,464.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	163,391.00	0.00
tblArchitecturalCoating	ConstArea_Parking	1,464.00	0.00
tblArchitecturalCoating	EF_Parking	250.00	0.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	150

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

tblAreaCoating	Area_EF_Nonresidential_Interior	250	150
tblAreaCoating	Area_EF_Parking	250	150
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	0.5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	40
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	1.00
tblConstructionPhase	NumDays	300.00	261.00
tblFleetMix	HHD	9.4210e-003	9.0130e-003
tblFleetMix	HHD	9.4210e-003	9.0130e-003
tblFleetMix	LDA	0.52	0.50
tblFleetMix	LDA	0.52	0.50
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.23	0.23
tblFleetMix	LDT2	0.23	0.23
tblFleetMix	LHD1	0.03	0.04
tblFleetMix	LHD1	0.03	0.04
tblFleetMix	LHD2	6.6630e-003	7.6950e-003
tblFleetMix	LHD2	6.6630e-003	7.6950e-003
tblFleetMix	MCY	5.4760e-003	5.8140e-003
tblFleetMix	MCY	5.4760e-003	5.8140e-003
tblFleetMix	MDV	0.14	0.14
tblFleetMix	MDV	0.14	0.14
tblFleetMix	MH	1.6340e-003	1.9860e-003
tblFleetMix	MH	1.6340e-003	1.9860e-003
tblFleetMix	MHD	0.02	0.02

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	1.5930e-003	1.5650e-003
tblFleetMix	OBUS	1.5930e-003	1.5650e-003
tblFleetMix	SBUS	8.1300e-004	8.4300e-004
tblFleetMix	SBUS	8.1300e-004	8.4300e-004
tblFleetMix	UBUS	1.1710e-003	1.2500e-003
tblFleetMix	UBUS	1.1710e-003	1.2500e-003
tblLandUse	LandUseSquareFeet	108,930.00	108,927.00
tblLandUse	LotAcreage	2.50	9.63
tblOffRoadEquipment	HorsePower	88.00	583.00
tblOffRoadEquipment	LoadFactor	0.34	0.75
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	HaulingPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	VendorPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOnRoadDust	WorkerPercentPave	100.00	0.00
tblOperationalOffRoadEquipment	OperDaysPerYear	260.00	264.00

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

tblOperationalOffRoadEquipment	OperFuelType	Diesel	Electrical
tblOperationalOffRoadEquipment	OperHorsePower	88.00	552.00
tblOperationalOffRoadEquipment	OperHoursPerDay	8.00	4.00
tblOperationalOffRoadEquipment	OperLoadFactor	0.34	0.40
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	22.00	0.00
tblTripsAndVMT	WorkerTripNumber	11.00	0.00
tblTripsAndVMT	WorkerTripNumber	56.00	0.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00

2.0 Emissions Summary

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	1.2801	10.6941	11.2827	0.0377	0.0000	0.4193	0.4193	0.0000	0.3858	0.3858	0.0000	3,651.243 9	3,651.243 9	1.1809	0.0000	3,680.766 1
Maximum	1.2801	10.6941	11.2827	0.0377	0.0000	0.4193	0.4193	0.0000	0.3858	0.3858	0.0000	3,651.243 9	3,651.243 9	1.1809	0.0000	3,680.766 1

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2021	0.4627	2.0051	16.9659	0.0377	0.0000	0.0617	0.0617	0.0000	0.0617	0.0617	0.0000	3,651.243 9	3,651.243 9	1.1809	0.0000	3,680.766 1
Maximum	0.4627	2.0051	16.9659	0.0377	0.0000	0.0617	0.0617	0.0000	0.0617	0.0617	0.0000	3,651.243 9	3,651.243 9	1.1809	0.0000	3,680.766 1

	ROG	NOx	CO	SO2	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	63.85	81.25	-50.37	0.00	0.00	85.29	85.29	0.00	84.01	84.01	0.00	0.00	0.00	0.00	0.00	0.00

3390.0003 Phase 3 Operations - El Dorado-Mountain County 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	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397
Energy	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	0.3232	2.7001	2.8487	9.5300e-003		0.1059	0.1059		0.0974	0.0974		921.8921	921.8921	0.2982		929.3461
Total	3.0936	2.8030	2.9524	0.0102	0.0000	0.1137	0.1137	0.0000	0.1053	0.1053		1,045.1634	1,045.1634	0.3006	2.2600e-003	1,053.3522

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

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	lb/day										lb/day					
Area	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397
Energy	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Offroad	0.3232	2.7001	2.8487	9.5300e-003		0.1059	0.1059		0.0974	0.0974		921.8921	921.8921	0.2982		929.3461
Total	3.0936	2.8030	2.9524	0.0102	0.0000	0.1137	0.1137	0.0000	0.1053	0.1053		1,045.1634	1,045.1634	0.3006	2.2600e-003	1,053.3522

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	2/25/2020	3/23/2020	5	1	
2	Grinding Machine Operations	Building Construction	1/1/2021	12/31/2021	5	261	

Acres of Grading (Site Preparation Phase): 0

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.55

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grinding Machine Operations	Cranes	0	8.00	231	0.29
Grinding Machine Operations	Forklifts	0	7.00	89	0.20
Grinding Machine Operations	Generator Sets	0	8.00	84	0.74
Grinding Machine Operations	Other General Industrial Equipment	1	8.00	583	0.75
Grinding Machine Operations	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Grinding Machine Operations	Welders	0	8.00	46	0.45
Architectural Coating	Air Compressors	0	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grinding Machine Operations	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

3.2 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

3.2 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000

Mitigated 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

3.3 Grinding Machine Operations - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2801	10.6941	11.2827	0.0377		0.4193	0.4193		0.3858	0.3858		3,651.2439	3,651.2439	1.1809		3,680.7661
Total	1.2801	10.6941	11.2827	0.0377		0.4193	0.4193		0.3858	0.3858		3,651.2439	3,651.2439	1.1809		3,680.7661

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

3.3 Grinding Machine Operations - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4627	2.0051	16.9659	0.0377		0.0617	0.0617		0.0617	0.0617	0.0000	3,651.2439	3,651.2439	1.1809		3,680.7661
Total	0.4627	2.0051	16.9659	0.0377		0.0617	0.0617		0.0617	0.0617	0.0000	3,651.2439	3,651.2439	1.1809		3,680.7661

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.0 Operational Detail - Mobile

3390.0003 Phase 3 Operations - El Dorado-Mountain County 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.503470	0.043416	0.226017	0.144790	0.038824	0.007695	0.015319	0.009013	0.001565	0.001250	0.005814	0.000843	0.001986
Parking Lot	0.503470	0.043416	0.226017	0.144790	0.038824	0.007695	0.015319	0.009013	0.001565	0.001250	0.005814	0.000843	0.001986

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664
NaturalGas Unmitigated	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664

3390.0003 Phase 3 Operations - El Dorado-Mountain County 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					
General Light Industry	1047.49	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	1.04749	0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0113	0.1027	0.0863	6.2000e-004		7.8000e-003	7.8000e-003		7.8000e-003	7.8000e-003		123.2341	123.2341	2.3600e-003	2.2600e-003	123.9664

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Phase 3 Operations - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397
Unmitigated	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397

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	0.4178					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3397					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6300e-003	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397
Total	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4178					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.3397					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6300e-003	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397
Total	2.7591	1.6000e-004	0.0174	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0372	0.0372	1.0000e-004		0.0397

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Other General Industrial Equipment	1	4.00	264	552	0.40	Electrical

3390.0003 Phase 3 Operations - El Dorado-Mountain County County, Winter

UnMitigated/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
Equipment Type	lb/day										lb/day					
Other General Industrial Equipment	0.3232	2.7001	2.8487	9.5300e-003		0.1059	0.1059		0.0974	0.0974		921.8921	921.8921	0.2982		929.3461
Total	0.3232	2.7001	2.8487	9.5300e-003		0.1059	0.1059		0.0974	0.0974		921.8921	921.8921	0.2982		929.3461

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

3390.0003 Temporary Site MRF
El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	23.00	1000sqft	0.53	23,000.00	0
Other Non-Asphalt Surfaces	4.00	1000sqft	4.47	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

Project Characteristics - .

Land Use - Total site approximately 5 acres; Other asphalt surfaces=paving; Other nonasphalt surfaces=temporary concrete pad

Construction Phase - Construction expected to take 20 working days; Temporary site construction to coincide with the start of existing site Phase 1 construction

Off-road Equipment -

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Trips and VMT - 20 CY truck capacity

Grading - Project total acreage: 5 acres

Vehicle Trips - Based on information provided by the applicant and the Wetsel Facilities Report (Table 2). Trip percentages based on CalEEMod general light industrial defaults.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation - All construction equipment (except for rubber tired dozers) shall be Tier 3 or higher; All rubber tired dozers shall be Tier 4 Final

Operational Off-Road Equipment - .

Fleet Mix - Based on information provided by the client. Other asphalt: diverted and new truck trips. Non-asphalt: weighted default fleet mix for visitor and employees.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	250	150
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	8.00	5.00
tblConstructionPhase	NumDays	18.00	5.00
tblFleetMix	HHD	8.7420e-003	0.00
tblFleetMix	HHD	8.7420e-003	0.00
tblFleetMix	LDA	0.49	0.00
tblFleetMix	LDA	0.49	0.54
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.23	0.00
tblFleetMix	LDT2	0.23	0.25
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.2960e-003	0.17
tblFleetMix	LHD2	8.2960e-003	0.00
tblFleetMix	MCY	6.0010e-003	0.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

tblFleetMix	MCY	6.0010e-003	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MDV	0.15	0.16
tblFleetMix	MH	2.1880e-003	0.00
tblFleetMix	MH	2.1880e-003	0.00
tblFleetMix	MHD	0.01	0.83
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.5500e-003	0.00
tblFleetMix	OBUS	1.5500e-003	0.00
tblFleetMix	SBUS	8.6300e-004	0.00
tblFleetMix	SBUS	8.6300e-004	0.00
tblFleetMix	UBUS	1.3400e-003	0.00
tblFleetMix	UBUS	1.3400e-003	0.00
tblGrading	AcresOfGrading	0.00	5.00
tblGrading	AcresOfGrading	0.00	5.00
tblGrading	MaterialImported	0.00	700.00
tblLandUse	LotAcreage	0.09	4.47
tblOffRoadEquipment	HorsePower	158.00	316.00
tblOffRoadEquipment	HorsePower	132.00	100.00
tblOffRoadEquipment	HorsePower	80.00	107.00
tblOffRoadEquipment	HorsePower	247.00	150.00
tblOffRoadEquipment	HorsePower	247.00	150.00
tblOffRoadEquipment	HorsePower	97.00	96.00
tblOffRoadEquipment	HorsePower	97.00	96.00
tblOffRoadEquipment	HorsePower	97.00	96.00
tblOffRoadEquipment	HorsePower	158.00	316.00
tblOffRoadEquipment	HorsePower	158.00	316.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

tbloffRoadEquipment	HorsePower	158.00	316.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	132.00	100.00
tbloffRoadEquipment	HorsePower	132.00	100.00
tbloffRoadEquipment	HorsePower	132.00	100.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	80.00	107.00
tbloffRoadEquipment	HorsePower	80.00	107.00
tbloffRoadEquipment	HorsePower	80.00	107.00
tbloffRoadEquipment	HorsePower	247.00	150.00
tbloffRoadEquipment	HorsePower	247.00	150.00
tbloffRoadEquipment	HorsePower	97.00	96.00
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.40	0.43
tbloffRoadEquipment	LoadFactor	0.40	0.43
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.43	0.38
tbloffRoadEquipment	LoadFactor	0.43	0.38
tbloffRoadEquipment	LoadFactor	0.43	0.38

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

tblOffRoadEquipment	LoadFactor	0.43	0.38
tblOffRoadEquipment	LoadFactor	0.40	0.43
tblOffRoadEquipment	LoadFactor	0.40	0.43
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblTripsAndVMT	HaulingTripNumber	69.00	70.00
tblTripsAndVMT	WorkerTripNumber	18.00	13.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TTP	0.00	28.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	0.00	13.00
tblVehicleTrips	CW_TL	9.50	2.98
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	CW_TTP	0.00	59.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

tblVehicleTrips	DV_TP	0.00	5.00
tblVehicleTrips	PB_TP	0.00	3.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	92.00
tblVehicleTrips	ST_TR	0.00	1.52
tblVehicleTrips	ST_TR	0.00	5.00
tblVehicleTrips	SU_TR	0.00	1.52
tblVehicleTrips	SU_TR	0.00	5.00
tblVehicleTrips	WD_TR	0.00	1.52
tblVehicleTrips	WD_TR	0.00	5.00

2.0 Emissions Summary

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

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					
2018	0.0314	0.3196	0.1894	4.4000e-004	0.0372	0.0154	0.0527	0.0176	0.0142	0.0318	0.0000	39.8180	39.8180	0.0112	0.0000	40.0980
Maximum	0.0314	0.3196	0.1894	4.4000e-004	0.0372	0.0154	0.0527	0.0176	0.0142	0.0318	0.0000	39.8180	39.8180	0.0112	0.0000	40.0980

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					
2018	0.0110	0.1852	0.2499	4.4000e-004	0.0156	8.0200e-003	0.0237	7.1700e-003	8.0100e-003	0.0152	0.0000	39.8180	39.8180	0.0112	0.0000	40.0980
Maximum	0.0110	0.1852	0.2499	4.4000e-004	0.0156	8.0200e-003	0.0237	7.1700e-003	8.0100e-003	0.0152	0.0000	39.8180	39.8180	0.0112	0.0000	40.0980

	ROG	NOx	CO	SO2	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	65.02	42.04	-31.96	0.00	58.00	48.06	55.09	59.31	43.63	52.29	0.00	0.00	0.00	0.00	0.00	0.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2018	8-31-2018	0.3505	0.1957
		Highest	0.3505	0.1957

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3300e-003	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0277	0.3457	0.2878	7.3000e-004	0.0388	4.3300e-003	0.0432	0.0109	4.1400e-003	0.0151	0.0000	67.4770	67.4770	2.7400e-003	0.0000	67.5456
Stationary	0.2048	0.6678	0.7431	9.8000e-004		0.0301	0.0301		0.0301	0.0301	0.0000	95.0470	95.0470	0.0133	0.0000	95.3801
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.2348	1.0135	1.0312	1.7100e-003	0.0388	0.0345	0.0733	0.0109	0.0343	0.0452	0.0000	162.5245	162.5245	0.0161	0.0000	162.9262

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.3300e-003	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0277	0.3457	0.2878	7.3000e-004	0.0388	4.3300e-003	0.0432	0.0109	4.1400e-003	0.0151	0.0000	67.4770	67.4770	2.7400e-003	0.0000	67.5456
Stationary	0.2048	0.6678	0.7431	9.8000e-004		0.0301	0.0301		0.0301	0.0301	0.0000	95.0470	95.0470	0.0133	0.0000	95.3801
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.2348	1.0135	1.0312	1.7100e-003	0.0388	0.0345	0.0733	0.0109	0.0343	0.0452	0.0000	162.5245	162.5245	0.0161	0.0000	162.9262

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

3.0 Construction Detail

Construction Phase

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2018	6/7/2018	5	5	
2	Grading	Grading	6/8/2018	6/14/2018	5	5	
3	Building Construction	Building Construction	6/15/2018	6/21/2018	5	5	
4	Paving	Paving	6/22/2018	6/28/2018	5	5	

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	316	0.38
Site Preparation	Off-Highway Trucks	1	8.00	453	0.38
Site Preparation	Paving Equipment	1	8.00	100	0.38
Site Preparation	Plate Compactors	1	8.00	160	0.38
Site Preparation	Rollers	1	8.00	107	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	150	0.43
Site Preparation	Tractors/Loaders/Backhoes	1	4.00	96	0.37
Grading	Excavators	1	8.00	316	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	453	0.38
Grading	Paving Equipment	1	8.00	100	0.38
Grading	Plate Compactors	1	8.00	160	0.38

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

Grading	Rollers	1	8.00	107	0.38
Grading	Rubber Tired Dozers	1	8.00	150	0.43
Grading	Tractors/Loaders/Backhoes	1	4.00	96	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Excavators	1	8.00	316	0.38
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Building Construction	Off-Highway Trucks	1	8.00	453	0.38
Building Construction	Paving Equipment	1	8.00	100	0.38
Building Construction	Plate Compactors	1	8.00	160	0.38
Building Construction	Rollers	1	8.00	107	0.38
Building Construction	Rubber Tired Dozers	1	8.00	150	0.43
Building Construction	Tractors/Loaders/Backhoes	1	4.00	96	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Excavators	1	8.00	316	0.38
Paving	Off-Highway Trucks	1	8.00	453	0.38
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	1	8.00	100	0.38
Paving	Plate Compactors	1	8.00	160	0.38
Paving	Rollers	1	8.00	107	0.38
Paving	Rubber Tired Dozers	1	8.00	150	0.43
Paving	Tractors/Loaders/Backhoes	1	4.00	96	0.37

Trips and VMT

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	13.00	0.00	70.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	11.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Site Preparation - 2018

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					0.0177	0.0000	0.0177	8.5600e-003	0.0000	8.5600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3300e-003	0.0759	0.0446	1.0000e-004		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9844
Total	7.3300e-003	0.0759	0.0446	1.0000e-004	0.0177	3.8300e-003	0.0215	8.5600e-003	3.5200e-003	0.0121	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9844

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

3.2 Site Preparation - 2018

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	2.6000e-004	1.8000e-004	1.8800e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3406	0.3406	1.0000e-005	0.0000	0.3409
Total	2.6000e-004	1.8000e-004	1.8800e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3406	0.3406	1.0000e-005	0.0000	0.3409

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					6.9100e-003	0.0000	6.9100e-003	3.3400e-003	0.0000	3.3400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2300e-003	0.0423	0.0598	1.0000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9843
Total	2.2300e-003	0.0423	0.0598	1.0000e-004	6.9100e-003	1.9700e-003	8.8800e-003	3.3400e-003	1.9700e-003	5.3100e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9843

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

3.2 Site Preparation - 2018

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	2.6000e-004	1.8000e-004	1.8800e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3406	0.3406	1.0000e-005	0.0000	0.3409
Total	2.6000e-004	1.8000e-004	1.8800e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3406	0.3406	1.0000e-005	0.0000	0.3409

3.3 Grading - 2018

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					0.0177	0.0000	0.0177	8.5600e-003	0.0000	8.5600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.3300e-003	0.0759	0.0446	1.0000e-004		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9844
Total	7.3300e-003	0.0759	0.0446	1.0000e-004	0.0177	3.8300e-003	0.0215	8.5600e-003	3.5200e-003	0.0121	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9844

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

3.3 Grading - 2018

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	4.3000e-004	0.0140	4.1000e-003	3.0000e-005	5.8000e-004	1.0000e-004	6.8000e-004	1.6000e-004	1.0000e-004	2.6000e-004	0.0000	2.7655	2.7655	5.0000e-005	0.0000	2.7667
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3600e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2460	0.2460	1.0000e-005	0.0000	0.2462
Total	6.2000e-004	0.0141	5.4600e-003	3.0000e-005	8.4000e-004	1.0000e-004	9.4000e-004	2.3000e-004	1.0000e-004	3.3000e-004	0.0000	3.0115	3.0115	6.0000e-005	0.0000	3.0129

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					6.9100e-003	0.0000	6.9100e-003	3.3400e-003	0.0000	3.3400e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2300e-003	0.0423	0.0598	1.0000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9843
Total	2.2300e-003	0.0423	0.0598	1.0000e-004	6.9100e-003	1.9700e-003	8.8800e-003	3.3400e-003	1.9700e-003	5.3100e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9843

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

3.3 Grading - 2018

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	4.3000e-004	0.0140	4.1000e-003	3.0000e-005	5.8000e-004	1.0000e-004	6.8000e-004	1.6000e-004	1.0000e-004	2.6000e-004	0.0000	2.7655	2.7655	5.0000e-005	0.0000	2.7667
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3600e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2460	0.2460	1.0000e-005	0.0000	0.2462
Total	6.2000e-004	0.0141	5.4600e-003	3.0000e-005	8.4000e-004	1.0000e-004	9.4000e-004	2.3000e-004	1.0000e-004	3.3000e-004	0.0000	3.0115	3.0115	6.0000e-005	0.0000	3.0129

3.4 Building Construction - 2018

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	7.3300e-003	0.0759	0.0446	1.0000e-004		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9844
Total	7.3300e-003	0.0759	0.0446	1.0000e-004		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9844

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

3.4 Building Construction - 2018

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	6.0000e-005	1.5000e-003	5.4000e-004	0.0000	6.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2574	0.2574	1.0000e-005	0.0000	0.2576
Worker	1.6000e-004	1.1000e-004	1.1500e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2081	0.2081	1.0000e-005	0.0000	0.2083
Total	2.2000e-004	1.6100e-003	1.6900e-003	0.0000	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.4655	0.4655	2.0000e-005	0.0000	0.4659

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2300e-003	0.0423	0.0598	1.0000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9843
Total	2.2300e-003	0.0423	0.0598	1.0000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9843

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

3.4 Building Construction - 2018

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	6.0000e-005	1.5000e-003	5.4000e-004	0.0000	6.0000e-005	2.0000e-005	8.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.2574	0.2574	1.0000e-005	0.0000	0.2576
Worker	1.6000e-004	1.1000e-004	1.1500e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2081	0.2081	1.0000e-005	0.0000	0.2083
Total	2.2000e-004	1.6100e-003	1.6900e-003	0.0000	2.8000e-004	2.0000e-005	3.0000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	0.4655	0.4655	2.0000e-005	0.0000	0.4659

3.5 Paving - 2018

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	7.3300e-003	0.0759	0.0446	1.0000e-004		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9844
Paving	6.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.0200e-003	0.0759	0.0446	1.0000e-004		3.8300e-003	3.8300e-003		3.5200e-003	3.5200e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9844

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

3.5 Paving - 2018

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	2.6000e-004	1.8000e-004	1.8800e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3406	0.3406	1.0000e-005	0.0000	0.3409
Total	2.6000e-004	1.8000e-004	1.8800e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3406	0.3406	1.0000e-005	0.0000	0.3409

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2300e-003	0.0423	0.0598	1.0000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9843
Paving	6.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.9200e-003	0.0423	0.0598	1.0000e-004		1.9700e-003	1.9700e-003		1.9700e-003	1.9700e-003	0.0000	8.9150	8.9150	2.7800e-003	0.0000	8.9843

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

3.5 Paving - 2018

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	2.6000e-004	1.8000e-004	1.8800e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3406	0.3406	1.0000e-005	0.0000	0.3409
Total	2.6000e-004	1.8000e-004	1.8800e-003	0.0000	3.5000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3406	0.3406	1.0000e-005	0.0000	0.3409

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0277	0.3457	0.2878	7.3000e-004	0.0388	4.3300e-003	0.0432	0.0109	4.1400e-003	0.0151	0.0000	67.4770	67.4770	2.7400e-003	0.0000	67.5456
Unmitigated	0.0277	0.3457	0.2878	7.3000e-004	0.0388	4.3300e-003	0.0432	0.0109	4.1400e-003	0.0151	0.0000	67.4770	67.4770	2.7400e-003	0.0000	67.5456

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	34.96	34.96	34.96	37,922	37,922
Other Non-Asphalt Surfaces	20.00	20.00	20.00	58,390	58,390
Total	54.96	54.96	54.96	96,312	96,312

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	2.98	0.00	0.00	100.00	0.00	0.00	100	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.171400	0.828600	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Non-Asphalt Surfaces	0.539335	0.049896	0.247555	0.163213	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.3300e-003	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004
Unmitigated	2.3300e-003	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004

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	5.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004
Total	2.3300e-003	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	5.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.7500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-005	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004
Total	2.3300e-003	0.0000	2.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	4.8000e-004	4.8000e-004	0.0000	0.0000	5.2000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	10	3120	80	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (75 - 100 HP)	0.2048	0.6678	0.7431	9.8000e-004		0.0301	0.0301		0.0301	0.0301	0.0000	95.0470	95.0470	0.0133	0.0000	95.3801
Total	0.2048	0.6678	0.7431	9.8000e-004		0.0301	0.0301		0.0301	0.0301	0.0000	95.0470	95.0470	0.0133	0.0000	95.3801

11.0 Vegetation

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3390.0003 Temporary Site MRF
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	23.00	1000sqft	0.53	23,000.00	0
Other Non-Asphalt Surfaces	4.00	1000sqft	4.47	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

Project Characteristics - .

Land Use - Total site approximately 5 acres; Other asphalt surfaces=paving; Other nonasphalt surfaces=temporary concrete pad

Construction Phase - Construction expected to take 20 working days; Temporary site construction to coincide with the start of existing site Phase 1 construction

Off-road Equipment -

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Trips and VMT - 20 CY truck capacity

Grading - Project total acreage: 5 acres

Vehicle Trips - Based on information provided by the applicant and the Wetsel Facilities Report (Table 2). Trip percentages based on CalEEMod general light industrial defaults.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation - All construction equipment (except for rubber tired dozers) shall be Tier 3 or higher; All rubber tired dozers shall be Tier 4 Final

Operational Off-Road Equipment - .

Fleet Mix - Based on information provided by the client. Other asphalt: diverted and new truck trips. Non-asphalt: weighted default fleet mix for visitor and employees.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	250	150
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	8.00	5.00
tblConstructionPhase	NumDays	18.00	5.00
tblFleetMix	HHD	8.7420e-003	0.00
tblFleetMix	HHD	8.7420e-003	0.00
tblFleetMix	LDA	0.49	0.00
tblFleetMix	LDA	0.49	0.54
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.23	0.00
tblFleetMix	LDT2	0.23	0.25
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.2960e-003	0.17
tblFleetMix	LHD2	8.2960e-003	0.00
tblFleetMix	MCY	6.0010e-003	0.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

tblFleetMix	MCY	6.0010e-003	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MDV	0.15	0.16
tblFleetMix	MH	2.1880e-003	0.00
tblFleetMix	MH	2.1880e-003	0.00
tblFleetMix	MHD	0.01	0.83
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.5500e-003	0.00
tblFleetMix	OBUS	1.5500e-003	0.00
tblFleetMix	SBUS	8.6300e-004	0.00
tblFleetMix	SBUS	8.6300e-004	0.00
tblFleetMix	UBUS	1.3400e-003	0.00
tblFleetMix	UBUS	1.3400e-003	0.00
tblGrading	AcresOfGrading	0.00	5.00
tblGrading	AcresOfGrading	0.00	5.00
tblGrading	MaterialImported	0.00	700.00
tblLandUse	LotAcreage	0.09	4.47
tblOffRoadEquipment	HorsePower	158.00	316.00
tblOffRoadEquipment	HorsePower	132.00	100.00
tblOffRoadEquipment	HorsePower	80.00	107.00
tblOffRoadEquipment	HorsePower	247.00	150.00
tblOffRoadEquipment	HorsePower	247.00	150.00
tblOffRoadEquipment	HorsePower	97.00	96.00
tblOffRoadEquipment	HorsePower	97.00	96.00
tblOffRoadEquipment	HorsePower	97.00	96.00
tblOffRoadEquipment	HorsePower	158.00	316.00
tblOffRoadEquipment	HorsePower	158.00	316.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

tbloffRoadEquipment	HorsePower	158.00	316.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	132.00	100.00
tbloffRoadEquipment	HorsePower	132.00	100.00
tbloffRoadEquipment	HorsePower	132.00	100.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	80.00	107.00
tbloffRoadEquipment	HorsePower	80.00	107.00
tbloffRoadEquipment	HorsePower	80.00	107.00
tbloffRoadEquipment	HorsePower	247.00	150.00
tbloffRoadEquipment	HorsePower	247.00	150.00
tbloffRoadEquipment	HorsePower	97.00	96.00
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.40	0.43
tbloffRoadEquipment	LoadFactor	0.40	0.43
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.43	0.38
tbloffRoadEquipment	LoadFactor	0.43	0.38
tbloffRoadEquipment	LoadFactor	0.43	0.38

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

tblOffRoadEquipment	LoadFactor	0.43	0.38
tblOffRoadEquipment	LoadFactor	0.40	0.43
tblOffRoadEquipment	LoadFactor	0.40	0.43
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblTripsAndVMT	HaulingTripNumber	69.00	70.00
tblTripsAndVMT	WorkerTripNumber	18.00	13.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TTP	0.00	28.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	0.00	13.00
tblVehicleTrips	CW_TL	9.50	2.98
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	CW_TTP	0.00	59.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

tblVehicleTrips	DV_TP	0.00	5.00
tblVehicleTrips	PB_TP	0.00	3.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	92.00
tblVehicleTrips	ST_TR	0.00	1.52
tblVehicleTrips	ST_TR	0.00	5.00
tblVehicleTrips	SU_TR	0.00	1.52
tblVehicleTrips	SU_TR	0.00	5.00
tblVehicleTrips	WD_TR	0.00	1.52
tblVehicleTrips	WD_TR	0.00	5.00

2.0 Emissions Summary

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

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					
2018	3.3239	35.8176	20.0367	0.0520	7.4307	1.5731	9.0039	3.5189	1.4488	4.9678	0.0000	5,273.1130	5,273.1130	1.2481	0.0000	5,304.3162
Maximum	3.3239	35.8176	20.0367	0.0520	7.4307	1.5731	9.0039	3.5189	1.4488	4.9678	0.0000	5,273.1130	5,273.1130	1.2481	0.0000	5,304.3162

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					
2018	1.2830	22.3836	26.0886	0.0520	3.1103	0.8312	3.9416	1.4299	0.8294	2.2592	0.0000	5,273.1130	5,273.1130	1.2481	0.0000	5,304.3162
Maximum	1.2830	22.3836	26.0886	0.0520	3.1103	0.8312	3.9416	1.4299	0.8294	2.2592	0.0000	5,273.1130	5,273.1130	1.2481	0.0000	5,304.3162

	ROG	NOx	CO	SO2	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	61.40	37.51	-30.20	0.00	58.14	47.16	56.22	59.37	42.76	54.52	0.00	0.00	0.00	0.00	0.00	0.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County 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	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1589	1.8411	1.5271	4.1200e-003	0.2218	0.0238	0.2455	0.0620	0.0227	0.0847		420.9021	420.9021	0.0163		421.3087
Stationary	1.3129	4.2809	4.7638	6.3100e-003		0.1931	0.1931		0.1931	0.1931		671.6113	671.6113	0.0942		673.9653
Total	1.4846	6.1221	6.2937	0.0104	0.2218	0.2169	0.4387	0.0620	0.2158	0.2779		1,092.5193	1,092.5193	0.1104	0.0000	1,095.2803

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

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	lb/day										lb/day					
Area	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1589	1.8411	1.5271	4.1200e-003	0.2218	0.0238	0.2455	0.0620	0.0227	0.0847		420.9021	420.9021	0.0163		421.3087
Stationary	1.3129	4.2809	4.7638	6.3100e-003		0.1931	0.1931		0.1931	0.1931		671.6113	671.6113	0.0942		673.9653
Total	1.4846	6.1221	6.2937	0.0104	0.2218	0.2169	0.4387	0.0620	0.2158	0.2779		1,092.5193	1,092.5193	0.1104	0.0000	1,095.2803

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2018	6/7/2018	5	5	
2	Grading	Grading	6/8/2018	6/14/2018	5	5	
3	Building Construction	Building Construction	6/15/2018	6/21/2018	5	5	
4	Paving	Paving	6/22/2018	6/28/2018	5	5	

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	316	0.38
Site Preparation	Off-Highway Trucks	1	8.00	453	0.38
Site Preparation	Paving Equipment	1	8.00	100	0.38
Site Preparation	Plate Compactors	1	8.00	160	0.38
Site Preparation	Rollers	1	8.00	107	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	150	0.43
Site Preparation	Tractors/Loaders/Backhoes	1	4.00	96	0.37
Grading	Excavators	1	8.00	316	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	453	0.38
Grading	Paving Equipment	1	8.00	100	0.38
Grading	Plate Compactors	1	8.00	160	0.38
Grading	Rollers	1	8.00	107	0.38
Grading	Rubber Tired Dozers	1	8.00	150	0.43
Grading	Tractors/Loaders/Backhoes	1	4.00	96	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Excavators	1	8.00	316	0.38
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

Building Construction	Off-Highway Trucks	1	8.00	453	0.38
Building Construction	Paving Equipment	1	8.00	100	0.38
Building Construction	Plate Compactors	1	8.00	160	0.38
Building Construction	Rollers	1	8.00	107	0.38
Building Construction	Rubber Tired Dozers	1	8.00	150	0.43
Building Construction	Tractors/Loaders/Backhoes	1	4.00	96	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Excavators	1	8.00	316	0.38
Paving	Off-Highway Trucks	1	8.00	453	0.38
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	1	8.00	100	0.38
Paving	Plate Compactors	1	8.00	160	0.38
Paving	Rollers	1	8.00	107	0.38
Paving	Rubber Tired Dozers	1	8.00	150	0.43
Paving	Tractors/Loaders/Backhoes	1	4.00	96	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	13.00	0.00	70.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	11.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.2 Site Preparation - 2018

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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.9318	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219
Total	2.9318	30.3463	17.8493	0.0391	7.0826	1.5311	8.6137	3.4247	1.4086	4.8333		3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1145	0.0620	0.8082	1.6400e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		162.6722	162.6722	6.2300e-003		162.8280
Total	0.1145	0.0620	0.8082	1.6400e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		162.6722	162.6722	6.2300e-003		162.8280

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.2 Site Preparation - 2018

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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	0.8908	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219
Total	0.8908	16.9123	23.9012	0.0391	2.7622	0.7892	3.5514	1.3357	0.7892	2.1248	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1145	0.0620	0.8082	1.6400e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		162.6722	162.6722	6.2300e-003		162.8280
Total	0.1145	0.0620	0.8082	1.6400e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		162.6722	162.6722	6.2300e-003		162.8280

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.3 Grading - 2018

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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.9318	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219
Total	2.9318	30.3463	17.8493	0.0391	7.0826	1.5311	8.6137	3.4247	1.4086	4.8333		3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1711	5.4265	1.6037	0.0117	0.2413	0.0412	0.2825	0.0659	0.0394	0.1053		1,224.7987	1,224.7987	0.0199		1,225.2963
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	0.0827	0.0448	0.5837	1.1800e-003	0.1068	8.8000e-004	0.1077	0.0283	8.1000e-004	0.0291		117.4855	117.4855	4.5000e-003		117.5980
Total	0.2538	5.4713	2.1874	0.0129	0.3481	0.0421	0.3902	0.0942	0.0402	0.1344		1,342.2841	1,342.2841	0.0244		1,342.8943

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.3 Grading - 2018

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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	0.8908	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219
Total	0.8908	16.9123	23.9012	0.0391	2.7622	0.7892	3.5514	1.3357	0.7892	2.1248	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1711	5.4265	1.6037	0.0117	0.2413	0.0412	0.2825	0.0659	0.0394	0.1053		1,224.7987	1,224.7987	0.0199		1,225.2963
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	0.0827	0.0448	0.5837	1.1800e-003	0.1068	8.8000e-004	0.1077	0.0283	8.1000e-004	0.0291		117.4855	117.4855	4.5000e-003		117.5980
Total	0.2538	5.4713	2.1874	0.0129	0.3481	0.0421	0.3902	0.0942	0.0402	0.1344		1,342.2841	1,342.2841	0.0244		1,342.8943

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9318	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219
Total	2.9318	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.0254	0.5866	0.2030	1.1000e-003	0.0269	5.9700e-003	0.0329	7.7300e-003	5.7100e-003	0.0134		114.3085	114.3085	3.0100e-003		114.3838
Worker	0.0700	0.0379	0.4939	1.0000e-003	0.0904	7.4000e-004	0.0911	0.0240	6.9000e-004	0.0247		99.4108	99.4108	3.8100e-003		99.5060
Total	0.0953	0.6245	0.6969	2.1000e-003	0.1173	6.7100e-003	0.1240	0.0317	6.4000e-003	0.0381		213.7192	213.7192	6.8200e-003		213.8898

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8908	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219
Total	0.8908	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.0254	0.5866	0.2030	1.1000e-003	0.0269	5.9700e-003	0.0329	7.7300e-003	5.7100e-003	0.0134		114.3085	114.3085	3.0100e-003		114.3838
Worker	0.0700	0.0379	0.4939	1.0000e-003	0.0904	7.4000e-004	0.0911	0.0240	6.9000e-004	0.0247		99.4108	99.4108	3.8100e-003		99.5060
Total	0.0953	0.6245	0.6969	2.1000e-003	0.1173	6.7100e-003	0.1240	0.0317	6.4000e-003	0.0381		213.7192	213.7192	6.8200e-003		213.8898

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9318	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219
Paving	0.2777					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.2095	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1145	0.0620	0.8082	1.6400e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		162.6722	162.6722	6.2300e-003		162.8280
Total	0.1145	0.0620	0.8082	1.6400e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		162.6722	162.6722	6.2300e-003		162.8280

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8908	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219
Paving	0.2777					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1685	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1145	0.0620	0.8082	1.6400e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		162.6722	162.6722	6.2300e-003		162.8280
Total	0.1145	0.0620	0.8082	1.6400e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		162.6722	162.6722	6.2300e-003		162.8280

4.0 Operational Detail - Mobile

3390.0003 Temporary Site MRF - El Dorado-Mountain County 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	0.1589	1.8411	1.5271	4.1200e-003	0.2218	0.0238	0.2455	0.0620	0.0227	0.0847		420.9021	420.9021	0.0163		421.3087
Unmitigated	0.1589	1.8411	1.5271	4.1200e-003	0.2218	0.0238	0.2455	0.0620	0.0227	0.0847		420.9021	420.9021	0.0163		421.3087

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	34.96	34.96	34.96	37,922	37,922
Other Non-Asphalt Surfaces	20.00	20.00	20.00	58,390	58,390
Total	54.96	54.96	54.96	96,312	96,312

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	2.98	0.00	0.00	100.00	0.00	0.00	100	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.171400	0.828600	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Non-Asphalt Surfaces	0.539335	0.049896	0.247555	0.163213	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

3390.0003 Temporary Site MRF - El Dorado-Mountain County 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Temporary Site MRF - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003
Unmitigated	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.5600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7000e-004	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003
Total	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.5600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7000e-004	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003
Total	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	10	3120	80	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (75 - 100 HP)	1.3129	4.2809	4.7638	6.3100e-003		0.1931	0.1931		0.1931	0.1931		671.6113	671.6113	0.0942		673.9653
Total	1.3129	4.2809	4.7638	6.3100e-003		0.1931	0.1931		0.1931	0.1931		671.6113	671.6113	0.0942		673.9653

11.0 Vegetation

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3390.0003 Temporary Site MRF
El Dorado-Mountain County County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	23.00	1000sqft	0.53	23,000.00	0
Other Non-Asphalt Surfaces	4.00	1000sqft	4.47	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

Project Characteristics - .

Land Use - Total site approximately 5 acres; Other asphalt surfaces=paving; Other nonasphalt surfaces=temporary concrete pad

Construction Phase - Construction expected to take 20 working days; Temporary site construction to coincide with the start of existing site Phase 1 construction

Off-road Equipment -

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Off-road Equipment - Based on Project AQ tech memo dated May 18, 2017

Trips and VMT - 20 CY truck capacity

Grading - Project total acreage: 5 acres

Vehicle Trips - Based on information provided by the applicant and the Wetsel Facilities Report (Table 2). Trip percentages based on CalEEMod general light industrial defaults.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Area Coating - Based on Rule 215

Energy Use -

Construction Off-road Equipment Mitigation - All construction equipment (except for rubber tired dozers) shall be Tier 3 or higher; All rubber tired dozers shall be Tier 4 Final

Operational Off-Road Equipment - .

Fleet Mix - Based on information provided by the client. Other asphalt: diverted and new truck trips. Non-asphalt: weighted default fleet mix for visitor and employees.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Parking	250	150
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	230.00	5.00
tblConstructionPhase	NumDays	8.00	5.00
tblConstructionPhase	NumDays	18.00	5.00
tblFleetMix	HHD	8.7420e-003	0.00
tblFleetMix	HHD	8.7420e-003	0.00
tblFleetMix	LDA	0.49	0.00
tblFleetMix	LDA	0.49	0.54
tblFleetMix	LDT1	0.05	0.00
tblFleetMix	LDT1	0.05	0.05
tblFleetMix	LDT2	0.23	0.00
tblFleetMix	LDT2	0.23	0.25
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD1	0.04	0.00
tblFleetMix	LHD2	8.2960e-003	0.17
tblFleetMix	LHD2	8.2960e-003	0.00
tblFleetMix	MCY	6.0010e-003	0.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

tblFleetMix	MCY	6.0010e-003	0.00
tblFleetMix	MDV	0.15	0.00
tblFleetMix	MDV	0.15	0.16
tblFleetMix	MH	2.1880e-003	0.00
tblFleetMix	MH	2.1880e-003	0.00
tblFleetMix	MHD	0.01	0.83
tblFleetMix	MHD	0.01	0.00
tblFleetMix	OBUS	1.5500e-003	0.00
tblFleetMix	OBUS	1.5500e-003	0.00
tblFleetMix	SBUS	8.6300e-004	0.00
tblFleetMix	SBUS	8.6300e-004	0.00
tblFleetMix	UBUS	1.3400e-003	0.00
tblFleetMix	UBUS	1.3400e-003	0.00
tblGrading	AcresOfGrading	0.00	5.00
tblGrading	AcresOfGrading	0.00	5.00
tblGrading	MaterialImported	0.00	700.00
tblLandUse	LotAcreage	0.09	4.47
tblOffRoadEquipment	HorsePower	158.00	316.00
tblOffRoadEquipment	HorsePower	132.00	100.00
tblOffRoadEquipment	HorsePower	80.00	107.00
tblOffRoadEquipment	HorsePower	247.00	150.00
tblOffRoadEquipment	HorsePower	247.00	150.00
tblOffRoadEquipment	HorsePower	97.00	96.00
tblOffRoadEquipment	HorsePower	97.00	96.00
tblOffRoadEquipment	HorsePower	97.00	96.00
tblOffRoadEquipment	HorsePower	158.00	316.00
tblOffRoadEquipment	HorsePower	158.00	316.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

tbloffRoadEquipment	HorsePower	158.00	316.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	402.00	453.00
tbloffRoadEquipment	HorsePower	132.00	100.00
tbloffRoadEquipment	HorsePower	132.00	100.00
tbloffRoadEquipment	HorsePower	132.00	100.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	8.00	160.00
tbloffRoadEquipment	HorsePower	80.00	107.00
tbloffRoadEquipment	HorsePower	80.00	107.00
tbloffRoadEquipment	HorsePower	80.00	107.00
tbloffRoadEquipment	HorsePower	247.00	150.00
tbloffRoadEquipment	HorsePower	247.00	150.00
tbloffRoadEquipment	HorsePower	97.00	96.00
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.40	0.43
tbloffRoadEquipment	LoadFactor	0.40	0.43
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.36	0.38
tbloffRoadEquipment	LoadFactor	0.43	0.38
tbloffRoadEquipment	LoadFactor	0.43	0.38
tbloffRoadEquipment	LoadFactor	0.43	0.38

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

tblOffRoadEquipment	LoadFactor	0.43	0.38
tblOffRoadEquipment	LoadFactor	0.40	0.43
tblOffRoadEquipment	LoadFactor	0.40	0.43
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblTripsAndVMT	HaulingTripNumber	69.00	70.00
tblTripsAndVMT	WorkerTripNumber	18.00	13.00
tblVehicleTrips	CC_TL	7.30	0.00
tblVehicleTrips	CC_TTP	0.00	28.00
tblVehicleTrips	CNW_TL	7.30	0.00
tblVehicleTrips	CNW_TTP	0.00	13.00
tblVehicleTrips	CW_TL	9.50	2.98
tblVehicleTrips	CW_TTP	0.00	100.00
tblVehicleTrips	CW_TTP	0.00	59.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

tblVehicleTrips	DV_TP	0.00	5.00
tblVehicleTrips	PB_TP	0.00	3.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	92.00
tblVehicleTrips	ST_TR	0.00	1.52
tblVehicleTrips	ST_TR	0.00	5.00
tblVehicleTrips	SU_TR	0.00	1.52
tblVehicleTrips	SU_TR	0.00	5.00
tblVehicleTrips	WD_TR	0.00	1.52
tblVehicleTrips	WD_TR	0.00	5.00

2.0 Emissions Summary

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	3.3261	36.0242	20.0813	0.0517	7.4307	1.5738	9.0045	3.5189	1.4494	4.9684	0.0000	5,248.9514	5,248.9514	1.2489	0.0000	5,280.1735
Maximum	3.3261	36.0242	20.0813	0.0517	7.4307	1.5738	9.0045	3.5189	1.4494	4.9684	0.0000	5,248.9514	5,248.9514	1.2489	0.0000	5,280.1735

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					
2018	1.2852	22.5901	26.1332	0.0517	3.1103	0.8318	3.9422	1.4299	0.8300	2.2598	0.0000	5,248.9514	5,248.9514	1.2489	0.0000	5,280.1735
Maximum	1.2852	22.5901	26.1332	0.0517	3.1103	0.8318	3.9422	1.4299	0.8300	2.2598	0.0000	5,248.9514	5,248.9514	1.2489	0.0000	5,280.1735

	ROG	NOx	CO	SO2	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	61.36	37.29	-30.14	0.00	58.14	47.14	56.22	59.37	42.74	54.52	0.00	0.00	0.00	0.00	0.00	0.00

3390.0003 Temporary Site MRF - El Dorado-Mountain County 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	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1547	1.9174	1.6663	3.9700e-003	0.2218	0.0240	0.2457	0.0620	0.0229	0.0849		405.5391	405.5391	0.0171		405.9666
Stationary	1.3129	4.2809	4.7638	6.3100e-003		0.1931	0.1931		0.1931	0.1931		671.6113	671.6113	0.0942		673.9653
Total	1.4805	6.1983	6.4328	0.0103	0.2218	0.2171	0.4389	0.0620	0.2160	0.2780		1,077.1563	1,077.1563	0.1113	0.0000	1,079.9382

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

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	lb/day										lb/day					
Area	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.1547	1.9174	1.6663	3.9700e-003	0.2218	0.0240	0.2457	0.0620	0.0229	0.0849		405.5391	405.5391	0.0171		405.9666
Stationary	1.3129	4.2809	4.7638	6.3100e-003		0.1931	0.1931		0.1931	0.1931		671.6113	671.6113	0.0942		673.9653
Total	1.4805	6.1983	6.4328	0.0103	0.2218	0.2171	0.4389	0.0620	0.2160	0.2780		1,077.1563	1,077.1563	0.1113	0.0000	1,079.9382

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2018	6/7/2018	5	5	
2	Grading	Grading	6/8/2018	6/14/2018	5	5	
3	Building Construction	Building Construction	6/15/2018	6/21/2018	5	5	
4	Paving	Paving	6/22/2018	6/28/2018	5	5	

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

Acres of Grading (Site Preparation Phase): 5

Acres of Grading (Grading Phase): 5

Acres of Paving: 5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	316	0.38
Site Preparation	Off-Highway Trucks	1	8.00	453	0.38
Site Preparation	Paving Equipment	1	8.00	100	0.38
Site Preparation	Plate Compactors	1	8.00	160	0.38
Site Preparation	Rollers	1	8.00	107	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	150	0.43
Site Preparation	Tractors/Loaders/Backhoes	1	4.00	96	0.37
Grading	Excavators	1	8.00	316	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	453	0.38
Grading	Paving Equipment	1	8.00	100	0.38
Grading	Plate Compactors	1	8.00	160	0.38
Grading	Rollers	1	8.00	107	0.38
Grading	Rubber Tired Dozers	1	8.00	150	0.43
Grading	Tractors/Loaders/Backhoes	1	4.00	96	0.37
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Excavators	1	8.00	316	0.38
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

Building Construction	Off-Highway Trucks	1	8.00	453	0.38
Building Construction	Paving Equipment	1	8.00	100	0.38
Building Construction	Plate Compactors	1	8.00	160	0.38
Building Construction	Rollers	1	8.00	107	0.38
Building Construction	Rubber Tired Dozers	1	8.00	150	0.43
Building Construction	Tractors/Loaders/Backhoes	1	4.00	96	0.37
Building Construction	Welders	0	8.00	46	0.45
Paving	Excavators	1	8.00	316	0.38
Paving	Off-Highway Trucks	1	8.00	453	0.38
Paving	Pavers	0	8.00	130	0.42
Paving	Paving Equipment	1	8.00	100	0.38
Paving	Plate Compactors	1	8.00	160	0.38
Paving	Rollers	1	8.00	107	0.38
Paving	Rubber Tired Dozers	1	8.00	150	0.43
Paving	Tractors/Loaders/Backhoes	1	4.00	96	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	13.00	0.00	70.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	11.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.2 Site Preparation - 2018

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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.9318	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219
Total	2.9318	30.3463	17.8493	0.0391	7.0826	1.5311	8.6137	3.4247	1.4086	4.8333		3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1166	0.0767	0.7655	1.4800e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		147.0451	147.0451	5.8800e-003		147.1920
Total	0.1166	0.0767	0.7655	1.4800e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		147.0451	147.0451	5.8800e-003		147.1920

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.2 Site Preparation - 2018

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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	0.8908	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219
Total	0.8908	16.9123	23.9012	0.0391	2.7622	0.7892	3.5514	1.3357	0.7892	2.1248	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1166	0.0767	0.7655	1.4800e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		147.0451	147.0451	5.8800e-003		147.1920
Total	0.1166	0.0767	0.7655	1.4800e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		147.0451	147.0451	5.8800e-003		147.1920

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.3 Grading - 2018

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					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	2.9318	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219
Total	2.9318	30.3463	17.8493	0.0391	7.0826	1.5311	8.6137	3.4247	1.4086	4.8333		3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1749	5.6224	1.6792	0.0116	0.2413	0.0418	0.2831	0.0659	0.0400	0.1059		1,211.9233	1,211.9233	0.0209		1,212.4463
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	0.0842	0.0554	0.5529	1.0700e-003	0.1068	8.8000e-004	0.1077	0.0283	8.1000e-004	0.0291		106.1992	106.1992	4.2400e-003		106.3053
Total	0.2592	5.6778	2.2320	0.0127	0.3481	0.0427	0.3908	0.0942	0.0408	0.1350		1,318.1225	1,318.1225	0.0252		1,318.7516

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.3 Grading - 2018

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					2.7622	0.0000	2.7622	1.3357	0.0000	1.3357			0.0000			0.0000
Off-Road	0.8908	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219
Total	0.8908	16.9123	23.9012	0.0391	2.7622	0.7892	3.5514	1.3357	0.7892	2.1248	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1749	5.6224	1.6792	0.0116	0.2413	0.0418	0.2831	0.0659	0.0400	0.1059		1,211.9233	1,211.9233	0.0209		1,212.4463
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	0.0842	0.0554	0.5529	1.0700e-003	0.1068	8.8000e-004	0.1077	0.0283	8.1000e-004	0.0291		106.1992	106.1992	4.2400e-003		106.3053
Total	0.2592	5.6778	2.2320	0.0127	0.3481	0.0427	0.3908	0.0942	0.0408	0.1350		1,318.1225	1,318.1225	0.0252		1,318.7516

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9318	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219
Total	2.9318	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.0265	0.6020	0.2289	1.0800e-003	0.0269	6.0700e-003	0.0330	7.7300e-003	5.8100e-003	0.0135		112.3646	112.3646	3.2600e-003		112.4460
Worker	0.0713	0.0469	0.4678	9.0000e-004	0.0904	7.4000e-004	0.0911	0.0240	6.9000e-004	0.0247		89.8609	89.8609	3.5900e-003		89.9507
Total	0.0978	0.6489	0.6967	1.9800e-003	0.1173	6.8100e-003	0.1241	0.0317	6.5000e-003	0.0382		202.2255	202.2255	6.8500e-003		202.3967

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8908	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219
Total	0.8908	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.0265	0.6020	0.2289	1.0800e-003	0.0269	6.0700e-003	0.0330	7.7300e-003	5.8100e-003	0.0135		112.3646	112.3646	3.2600e-003		112.4460
Worker	0.0713	0.0469	0.4678	9.0000e-004	0.0904	7.4000e-004	0.0911	0.0240	6.9000e-004	0.0247		89.8609	89.8609	3.5900e-003		89.9507
Total	0.0978	0.6489	0.6967	1.9800e-003	0.1173	6.8100e-003	0.1241	0.0317	6.5000e-003	0.0382		202.2255	202.2255	6.8500e-003		202.3967

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.9318	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219
Paving	0.2777					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	3.2095	30.3463	17.8493	0.0391		1.5311	1.5311		1.4086	1.4086		3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1166	0.0767	0.7655	1.4800e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		147.0451	147.0451	5.8800e-003		147.1920
Total	0.1166	0.0767	0.7655	1.4800e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		147.0451	147.0451	5.8800e-003		147.1920

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8908	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219
Paving	0.2777					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1685	16.9123	23.9012	0.0391		0.7892	0.7892		0.7892	0.7892	0.0000	3,930.8289	3,930.8289	1.2237		3,961.4219

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	0.1166	0.0767	0.7655	1.4800e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		147.0451	147.0451	5.8800e-003		147.1920
Total	0.1166	0.0767	0.7655	1.4800e-003	0.1479	1.2200e-003	0.1491	0.0392	1.1200e-003	0.0403		147.0451	147.0451	5.8800e-003		147.1920

4.0 Operational Detail - Mobile

3390.0003 Temporary Site MRF - El Dorado-Mountain County 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	0.1547	1.9174	1.6663	3.9700e-003	0.2218	0.0240	0.2457	0.0620	0.0229	0.0849		405.5391	405.5391	0.0171		405.9666
Unmitigated	0.1547	1.9174	1.6663	3.9700e-003	0.2218	0.0240	0.2457	0.0620	0.0229	0.0849		405.5391	405.5391	0.0171		405.9666

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	34.96	34.96	34.96	37,922	37,922
Other Non-Asphalt Surfaces	20.00	20.00	20.00	58,390	58,390
Total	54.96	54.96	54.96	96,312	96,312

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	2.98	0.00	0.00	100.00	0.00	0.00	100	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.000000	0.000000	0.000000	0.000000	0.000000	0.171400	0.828600	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Other Non-Asphalt Surfaces	0.539335	0.049896	0.247555	0.163213	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

3390.0003 Temporary Site MRF - El Dorado-Mountain County 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					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

3390.0003 Temporary Site MRF - El Dorado-Mountain County 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
Category	lb/day										lb/day					
Mitigated	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003
Unmitigated	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.5600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7000e-004	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003
Total	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0900e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.5600e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.7000e-004	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003
Total	0.0129	3.0000e-005	2.7900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		5.9100e-003	5.9100e-003	2.0000e-005		6.3100e-003

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3390.0003 Temporary Site MRF - El Dorado-Mountain County County, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	10	3120	80	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (75 - 100 HP)	1.3129	4.2809	4.7638	6.3100e-003		0.1931	0.1931		0.1931	0.1931		671.6113	671.6113	0.0942		673.9653
Total	1.3129	4.2809	4.7638	6.3100e-003		0.1931	0.1931		0.1931	0.1931		671.6113	671.6113	0.0942		673.9653

11.0 Vegetation
