

SCE TLRR CSP - Great Basin Valleys Air Basin, Annual

**SCE TLRR CSP**  
**Great Basin Valleys Air Basin, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.00	Space	0.01	400.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	54
<b>Climate Zone</b>	9			<b>Operational Year</b>	2027
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	702.44	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use -

Construction Phase - site info

Off-road Equipment - SCE equipment info

Off-road Equipment - SCE info

Off-road Equipment - SCE equipment info

Off-road Equipment - SCE info

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Off-road Equipment - site info

Off-road Equipment - site info

Trips and VMT - SCE workforce estimates

On-road Fugitive Dust - site info

Grading - work area disturbances and dirt access/spur roads

Vehicle Trips - SCE O&M

Vehicle Emission Factors -

Vehicle Emission Factors -



tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstructionPhase	NumDays	1.00	141.00
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tblConstructionPhase	NumDaysWeek	5.00	6.00
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tblOffRoadEquipment	HorsePower	78.00	60.00











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tblOffRoadEquipment	PhaseName		03 Tree Trimming and Removal
tblOffRoadEquipment	PhaseName		12 TSP H-Frame Assembly
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tblOffRoadEquipment	PhaseName		16 Wood Pole Assembly
tblOffRoadEquipment	PhaseName		18 Guard Structures Install/Remove
tblOffRoadEquipment	PhaseName		20 Telecommunications Underground Infrastructure
tblOffRoadEquipment	PhaseName		08 TSP Assembly
tblOffRoadEquipment	PhaseName		09 TSP Erection
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tblOffRoadEquipment	PhaseName		11 TSP H-Frame Haul
tblOffRoadEquipment	PhaseName		12 TSP H-Frame Assembly
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tblOffRoadEquipment	PhaseName		15 Wood Pole Pole Haul
tblOffRoadEquipment	PhaseName		16 Wood Pole Assembly
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tblOffRoadEquipment	PhaseName		21a Fish Lake Civil
tblOffRoadEquipment	PhaseName		21c Fish Lake Civil
tblOffRoadEquipment	PhaseName		22a Fish Lake Electrical

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tblOffRoadEquipment	PhaseName		09 TSP Erection
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tblOffRoadEquipment	PhaseName		04 Road Work
tblOffRoadEquipment	PhaseName		05 Wet Crossing Installation
tblOffRoadEquipment	PhaseName		02 Staging Yard
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tblOffRoadEquipment	PhaseName		22b Fish Lake Electrical
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tblOffRoadEquipment	PhaseName		19B Remove and Install Conductor and OPGW/OHGW
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tblOffRoadEquipment	PhaseName		03 Tree Trimming and Removal
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tblOnRoadDust	HaulingPercentPave	100.00	85.00
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tblOnRoadDust	HaulingPercentPave	100.00	85.00
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tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripLength	20.00	25.00
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tblTripsAndVMT	HaulingTripLength	20.00	22.00
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tblTripsAndVMT	HaulingTripLength	20.00	22.00
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tblTripsAndVMT	HaulingTripNumber	0.00	987.00
tblTripsAndVMT	HaulingTripNumber	0.00	152.00
tblTripsAndVMT	HaulingTripNumber	0.00	3,452.00











tblTripsAndVMT	WorkerTripLength	16.80	25.00
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tblTripsAndVMT	WorkerTripNumber	3.00	10.00
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tblTripsAndVMT	WorkerTripNumber	3.00	10.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00
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tblTripsAndVMT	WorkerTripNumber	3.00	10.00
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tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00

tblTripsAndVMT	WorkerTripNumber	0.00	10.00
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tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	8.00	12.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00
tblTripsAndVMT	WorkerTripNumber	3.00	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	10.00
tblWater	ElectricityIntensityFactorToSupply	2,117.00	9,727.00

## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.1301	0.9505	0.8163	4.2000e-003	17.9901	0.0240	18.0141	1.8285	0.0224	1.8509	0.0000	382.8726	382.8726	0.0495	0.0000	384.1106
2025	0.1796	1.3376	1.2115	5.9700e-003	22.5716	0.0336	22.6052	2.2954	0.0314	2.3268	0.0000	544.3132	544.3132	0.0645	0.0000	545.9259
2026	0.3130	2.6033	2.4325	0.0109	20.6374	0.0752	20.7126	2.1118	0.0696	2.1814	0.0000	986.3077	986.3077	0.1676	0.0000	990.4964
2027	0.0164	0.1325	0.1121	4.8000e-004	12.6074	3.8700e-003	12.6113	1.2714	3.5600e-003	1.2749	0.0000	43.5490	43.5490	6.9100e-003	0.0000	43.7217
<b>Maximum</b>	<b>0.3130</b>	<b>2.6033</b>	<b>2.4325</b>	<b>0.0109</b>	<b>22.5716</b>	<b>0.0752</b>	<b>22.6052</b>	<b>2.2954</b>	<b>0.0696</b>	<b>2.3268</b>	<b>0.0000</b>	<b>986.3077</b>	<b>986.3077</b>	<b>0.1676</b>	<b>0.0000</b>	<b>990.4964</b>

#### 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					
2024	0.0758	0.4581	1.1880	4.2000e-003	7.1011	1.7500e-003	7.1028	0.7364	1.9000e-003	0.7383	0.0000	382.8725	382.8725	0.0495	0.0000	384.1104
2025	0.1125	0.8177	1.6046	5.9700e-003	8.9236	5.8000e-003	8.9294	0.9283	5.7000e-003	0.9340	0.0000	544.3130	544.3130	0.0645	0.0000	545.9256
2026	0.1504	0.9182	3.5405	0.0109	8.1998	9.5000e-004	8.2007	0.8655	1.8300e-003	0.8674	0.0000	986.3071	986.3071	0.1676	0.0000	990.4958
2027	8.6500e-003	0.0416	0.1543	4.8000e-004	4.9355	3.6000e-004	4.9358	0.5007	3.6000e-004	0.5010	0.0000	43.5490	43.5490	6.9100e-003	0.0000	43.7217
Maximum	0.1504	0.9182	3.5405	0.0109	8.9236	5.8000e-003	8.9294	0.9283	5.7000e-003	0.9340	0.0000	986.3071	986.3071	0.1676	0.0000	990.4958

	ROG	NOx	CO	SO2	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	45.67	55.50	-41.88	0.00	60.49	93.52	60.55	59.62	92.29	60.17	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	5-1-2024	7-31-2024	0.4162	0.1604
2	8-1-2024	10-31-2024	0.4001	0.2195
3	11-1-2024	1-31-2025	0.4283	0.2368
4	2-1-2025	4-30-2025	0.5967	0.3105
5	5-1-2025	7-31-2025	0.4091	0.2620
6	8-1-2025	10-31-2025	0.2092	0.1645
7	11-1-2025	1-31-2026	0.2057	0.1603
8	2-1-2026	4-30-2026	1.0761	0.4171
9	5-1-2026	7-31-2026	0.9922	0.2844
10	8-1-2026	10-31-2026	0.6252	0.2141
11	11-1-2026	1-31-2027	0.2434	0.1157
12	2-1-2027	4-30-2027	0.0288	0.0092
		Highest	1.0761	0.4171

## 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	3.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0446	0.0446	0.0000	0.0000	0.0448
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
<b>Total</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0446</b>	<b>0.0446</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0448</b>

**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	3.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0446	0.0446	0.0000	0.0000	0.0448
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
<b>Total</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0446</b>	<b>0.0446</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0448</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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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
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### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	01 Survey	Site Preparation	5/7/2024	2/6/2027	6	863	
2	02 Staging Yard	Site Preparation	5/7/2024	2/6/2027	6	863	
3	03 Tree Trimming and Removal	Grading	5/14/2024	6/17/2024	6	30	
4	04 Road Work	Site Preparation	6/16/2024	7/24/2024	6	33	
5	07 TSP Haul	Site Preparation	6/18/2024	7/27/2024	6	35	
6	05 Wet Crossing Installation	Site Preparation	7/23/2024	8/5/2024	6	12	
7	08 TSP Assembly	Site Preparation	7/26/2024	1/1/2025	6	137	
8	06 Install TDIP Foundations	Site Preparation	8/4/2024	6/19/2025	6	274	
9	09 TSP Erection	Site Preparation	1/1/2025	6/9/2025	6	137	
10	10 TSP H-Frame Foundation	Site Preparation	3/6/2025	4/11/2025	6	32	
11	11 TSP H-Frame Haul	Site Preparation	4/10/2025	4/14/2025	6	4	
12	12 TSP H-Frame Assembly	Site Preparation	4/12/2025	4/30/2025	6	16	
13	13 TSP H-Frame Erection	Site Preparation	4/24/2025	5/12/2025	6	16	
14	14 Wood Pole H-Frame	Site Preparation	5/8/2025	11/26/2025	6	174	
15	15 Wood Pole Pole Haul	Site Preparation	11/24/2025	5/6/2026	6	141	
16	16 Wood Pole Assembly	Site Preparation	12/28/2025	6/10/2026	6	141	
17	17 Wood Pole Install	Site Preparation	2/1/2026	7/15/2026	6	141	
18	18 Guard Structures	Site Preparation	2/22/2026	4/7/2026	6	38	
19	19A Remove and Install Conductor, OPGW	Site Preparation	2/24/2026	3/14/2026	6	17	
20	19B Remove and Install Conductor and OPGW/OHGW	Site Preparation	2/24/2026	9/7/2026	6	168	
21	20 Telecommunications Underground Infrastructure	Site Preparation	9/1/2026	9/14/2026	6	12	
22	21a Fish Lake Civil	Site Preparation	9/1/2026	9/5/2026	6	5	
23	21b Fish Lake Civil	Site Preparation	9/1/2026	9/11/2026	6	10	
24	21c Fish Lake Civil	Site Preparation	9/1/2026	9/23/2026	6	20	
25	21d Fish Lake Civil	Site Preparation	9/1/2026	10/16/2026	6	40	



26	22a Fish Lake Electrical	Site Preparation	10/1/2026	10/12/2026	6	10
27	22b Fish Lake Electrical	Site Preparation	10/1/2026	10/23/2026	6	20
28	22c Fish Lake Electrical	Site Preparation	10/1/2026	11/16/2026	6	40
29	23 Fish Lake Wiring	Site Preparation	11/1/2026	12/5/2026	6	30
30	24 Fish Lake Testing	Site Preparation	12/1/2026	12/23/2026	6	20
31	25 Fish Lake Commissioning	Site Preparation	12/1/2026	12/23/2026	6	20
32	26 Restoration	Site Preparation	12/24/2026	2/8/2027	6	42

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0.01**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
01 Survey	Graders	0	8.00	187	0.41
01 Survey	Tractors/Loaders/Backhoes	0	8.00	97	0.37
02 Staging Yard	Cranes	0	5.00	350	0.29
02 Staging Yard	Forklifts	1	5.00	350	0.20
02 Staging Yard	Graders	0	6.00	350	0.41
02 Staging Yard	Tractors/Loaders/Backhoes	0	4.00	350	0.37
03 Tree Trimming and Removal	Aerial Lifts	0	8.00	250	0.31
03 Tree Trimming and Removal	Concrete/Industrial Saws	0	8.00	81	0.73
03 Tree Trimming and Removal	Other General Industrial Equipment	1	4.00	50	0.34
03 Tree Trimming and Removal	Other General Industrial Equipment	1	6.00	25	0.34
03 Tree Trimming and Removal	Rubber Tired Dozers	0	1.00	247	0.40
03 Tree Trimming and Removal	Tractors/Loaders/Backhoes	0	6.00	97	0.37
04 Road Work	Excavators	1	4.00	300	0.38
04 Road Work	Graders	1	6.00	350	0.41
04 Road Work	Rollers	1	6.00	250	0.38
04 Road Work	Tractors/Loaders/Backhoes	2	4.00	350	0.37

07 TSP Haul	Cranes	0	8.00	350	0.29
07 TSP Haul	Graders	0	8.00	187	0.41
07 TSP Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
05 Wet Crossing Installation	Excavators	1	8.00	250	0.38
05 Wet Crossing Installation	Graders	0	8.00	187	0.41
05 Wet Crossing Installation	Rubber Tired Loaders	1	8.00	125	0.40
05 Wet Crossing Installation	Tractors/Loaders/Backhoes	1	8.00	250	0.37
06 Install TDIP Foundations	Tractors/Loaders/Backhoes	1	10.00	200	0.37
08 TSP Assembly	Cranes	0	7.00	350	0.29
08 TSP Assembly	Graders	0	8.00	187	0.41
08 TSP Assembly	Tractors/Loaders/Backhoes	0	8.00	97	0.37
06 Install TDIP Foundations	Bore/Drill Rigs	0	10.00	500	0.50
06 Install TDIP Foundations	Cranes	0	7.00	350	0.29
06 Install TDIP Foundations	Graders	0	8.00	187	0.41
08 TSP Assembly	Air Compressors	1	6.00	60	0.48
09 TSP Erection	Air Compressors	1	6.00	60	0.48
09 TSP Erection	Cranes	1	7.00	350	0.29
09 TSP Erection	Graders	0	8.00	187	0.41
09 TSP Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
10 TSP H-Frame Foundation Install	Bore/Drill Rigs	0	10.00	500	0.50
10 TSP H-Frame Foundation Install	Cranes	0	7.00	350	0.29
10 TSP H-Frame Foundation Install	Graders	0	8.00	187	0.41
10 TSP H-Frame Foundation Install	Tractors/Loaders/Backhoes	1	10.00	350	0.37
11 TSP H-Frame Haul	Cranes	0	8.00	350	0.29
11 TSP H-Frame Haul	Graders	0	8.00	187	0.41
11 TSP H-Frame Haul	Tractors/Loaders/Backhoes	0	8.00	97	0.37
12 TSP H-Frame Assembly	Air Compressors	1	6.00	60	0.48
12 TSP H-Frame Assembly	Cranes	0	7.00	350	0.29
12 TSP H-Frame Assembly	Graders	0	8.00	187	0.41
12 TSP H-Frame Assembly	Tractors/Loaders/Backhoes	0	8.00	97	0.37
13 TSP H-Frame Erection	Air Compressors	1	6.00	60	0.48
13 TSP H-Frame Erection	Cranes	1	7.00	350	0.29

13 TSP H-Frame Erection	Graders	0	8.00	187	0.41
13 TSP H-Frame Erection	Tractors/Loaders/Backhoes	0	8.00	97	0.37
14 Wood Pole H-Frame Removal	Aerial Lifts	0	8.00	250	0.31
14 Wood Pole H-Frame Removal	Air Compressors	1	5.00	60	0.48
14 Wood Pole H-Frame Removal	Cranes	0	8.00	350	0.29
14 Wood Pole H-Frame Removal	Graders	0	8.00	187	0.41
14 Wood Pole H-Frame Removal	Tractors/Loaders/Backhoes	0	10.00	350	0.37
15 Wood Pole Pole Haul	Cranes	0	8.00	350	0.29
15 Wood Pole Pole Haul	Graders	0	8.00	187	0.41
15 Wood Pole Pole Haul	Tractors/Loaders/Backhoes	0	10.00	350	0.37
16 Wood Pole Assembly	Air Compressors	1	6.00	60	0.48
16 Wood Pole Assembly	Cranes	0	10.00	350	0.29
16 Wood Pole Assembly	Graders	0	8.00	187	0.41
16 Wood Pole Assembly	Tractors/Loaders/Backhoes	0	6.00	97	0.37
17 Wood Pole Install	Aerial Lifts	0	10.00	350	0.31
17 Wood Pole Install	Bore/Drill Rigs	0	8.00	500	0.50
17 Wood Pole Install	Cranes	0	7.00	350	0.29
17 Wood Pole Install	Graders	0	8.00	187	0.41
17 Wood Pole Install	Tractors/Loaders/Backhoes	1	10.00	125	0.37
18 Guard Structures Install/Remove	Air Compressors	2	7.00	60	0.48
18 Guard Structures Install/Remove	Graders	0	8.00	187	0.41
18 Guard Structures Install/Remove	Tractors/Loaders/Backhoes	1	10.00	125	0.37
19A Remove and Install Conductor OPGW	Graders	0	8.00	187	0.41
19A Remove and Install Conductor OPGW	Other Construction Equipment	1	10.00	350	0.42
19A Remove and Install Conductor OPGW	Other Construction Equipment	1	10.00	300	0.42
19A Remove and Install Conductor OPGW	Tractors/Loaders/Backhoes	0	8.00	97	0.37
19A Remove and Install Conductor OPGW	Tractors/Loaders/Backhoes	1	10.00	125	0.37
19B Remove and Install Conductor and OPGW/OHGW	Graders	0	8.00	187	0.41
19B Remove and Install Conductor and OPGW/OHGW	Other Construction Equipment	1	10.00	300	0.42
19B Remove and Install Conductor and OPGW/OHGW	Other Construction Equipment	1	10.00	350	0.42
19B Remove and Install Conductor and OPGW/OHGW	Other Construction Equipment	1	10.00	350	0.42
19B Remove and Install Conductor and OPGW/OHGW	Tractors/Loaders/Backhoes	0	8.00	97	0.37

20 Telecommunications Underground Infrastructure Installation	Air Compressors	1	4.00	60	0.48
20 Telecommunications Underground Infrastructure Installation	Graders	0	8.00	187	0.41
20 Telecommunications Underground Infrastructure Installation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
20 Telecommunications Underground Infrastructure Installation	Tractors/Loaders/Backhoes	1	6.00	125	0.37
21a Fish Lake Civil	Aerial Lifts	0	8.00	250	0.31
21a Fish Lake Civil	Cranes	2	4.00	300	0.29
21a Fish Lake Civil	Graders	0	8.00	187	0.41
21a Fish Lake Civil	Graders	0	8.00	187	0.41
21a Fish Lake Civil	Tractors/Loaders/Backhoes	0	8.00	97	0.37
21b Fish Lake Civil	Excavators	1	8.00	300	0.38
21b Fish Lake Civil	Forklifts	2	6.00	350	0.20
21b Fish Lake Civil	Graders	0	8.00	187	0.41
21b Fish Lake Civil	Graders	0	8.00	187	0.41
21b Fish Lake Civil	Tractors/Loaders/Backhoes	0	8.00	97	0.37
21b Fish Lake Civil	Tractors/Loaders/Backhoes	3	8.00	75	0.37
21c Fish Lake Civil	Aerial Lifts	0	10.00	250	0.31
21c Fish Lake Civil	Cranes	0	10.00	350	0.29
21c Fish Lake Civil	Graders	0	8.00	187	0.41
21c Fish Lake Civil	Graders	0	8.00	187	0.41
21c Fish Lake Civil	Tractors/Loaders/Backhoes	0	8.00	97	0.37
21c Fish Lake Civil	Tractors/Loaders/Backhoes	2	8.00	125	0.37
21c Fish Lake Civil	Tractors/Loaders/Backhoes	0	8.00	97	0.37
21d Fish Lake Civil	Graders	0	8.00	187	0.41
21d Fish Lake Civil	Tractors/Loaders/Backhoes	0	8.00	97	0.37
22a Fish Lake Electrical	Cranes	3	4.00	350	0.29
22a Fish Lake Electrical	Graders	0	8.00	187	0.41
22a Fish Lake Electrical	Tractors/Loaders/Backhoes	0	8.00	97	0.37
22b Fish Lake Electrical	Forklifts	2	4.00	350	0.20
22b Fish Lake Electrical	Graders	0	8.00	187	0.41
22b Fish Lake Electrical	Tractors/Loaders/Backhoes	0	8.00	97	0.37
22c Fish Lake Electrical	Graders	0	8.00	187	0.41
22c Fish Lake Electrical	Tractors/Loaders/Backhoes	0	8.00	97	0.37

23 Fish Lake Wiring	Graders	0	8.00	187	0.41
23 Fish Lake Wiring	Tractors/Loaders/Backhoes	0	8.00	97	0.37
24 Fish Lake Testing	Graders	0	8.00	187	0.41
24 Fish Lake Testing	Tractors/Loaders/Backhoes	0	8.00	97	0.37
25 Fish Lake Commissioning	Graders	0	8.00	187	0.41
25 Fish Lake Commissioning	Graders	0	8.00	187	0.41
25 Fish Lake Commissioning	Tractors/Loaders/Backhoes	0	8.00	97	0.37
26 Restoration	Graders	1	6.00	250	0.41
26 Restoration	Rollers	1	4.00	100	0.38
26 Restoration	Tractors/Loaders/Backhoes	1	4.00	125	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	
01 Survey		0	8.00	2.00	0.00	25.00	50.00	20.00	LD_Mix	MHDT	HHDT
02 Staging Yard		1	10.00	1.00	3,452.00	25.00	50.00	20.00	LD_Mix	MHDT	HHDT
03 Tree Trimming and Removal		2	10.00	1.00	60.00	25.00	50.00	30.00	LD_Mix	MHDT	HHDT
04 Road Work		5	10.00	2.00	74.00	25.00	50.00	12.00	LD_Mix	MHDT	HHDT
07 TSP Haul		0	10.00	2.00	140.00	25.00	50.00	25.00	LD_Mix	MHDT	HHDT
05 Wet Crossing Installation		3	12.00	1.00	72.00	25.00	50.00	17.00	LD_Mix	MHDT	HHDT
08 TSP Assembly		1	10.00	4.00	274.00	25.00	50.00	20.00	LD_Mix	MHDT	HHDT
06 Install TDIP Foundations		1	10.00	2.00	1,644.00	25.00	50.00	20.00	LD_Mix	MHDT	HHDT
09 TSP Erection		2	10.00	2.00	411.00	25.00	50.00	10.00	LD_Mix	MHDT	HHDT
10 TSP H-Frame Foundation Install		1	10.00	2.00	192.00	25.00	50.00	20.00	LD_Mix	MHDT	HHDT
11 TSP H-Frame Haul		0	10.00	2.00	16.00	25.00	50.00	25.00	LD_Mix	MHDT	HHDT
12 TSP H-Frame Assembly		1	10.00	4.00	32.00	25.00	50.00	20.00	LD_Mix	MHDT	HHDT
13 TSP H-Frame Erection		2	10.00	2.00	24.00	25.00	50.00	10.00	LD_Mix	MHDT	HHDT
14 Wood Pole H-Frame Removal		1	10.00	2.00	870.00	25.00	50.00	22.00	LD_Mix	MHDT	HHDT
15 Wood Pole Pole Haul		0	10.00	1.00	423.00	25.00	50.00	23.00	LD_Mix	MHDT	HHDT
16 Wood Pole Assembly		1	10.00	4.00	282.00	25.00	50.00	20.00	LD_Mix	MHDT	HHDT
17 Wood Pole Install		1	10.00	1.00	987.00	25.00	50.00	21.00	LD_Mix	MHDT	HHDT



<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>
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**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	4.0000e-003	0.0361	0.0180	2.6000e-004	0.1382	1.2000e-004	0.1383	0.0157	1.1000e-004	0.0159	0.0000	24.8545	24.8545	2.2000e-004	0.0000	24.8600
Worker	8.1400e-003	5.0400e-003	0.0440	1.3000e-004	0.0151	1.0000e-004	0.0152	4.0100e-003	9.0000e-005	4.1000e-003	0.0000	11.5393	11.5393	3.5000e-004	0.0000	11.5480
<b>Total</b>	<b>0.0121</b>	<b>0.0411</b>	<b>0.0620</b>	<b>3.9000e-004</b>	<b>0.1533</b>	<b>2.2000e-004</b>	<b>0.1535</b>	<b>0.0198</b>	<b>2.0000e-004</b>	<b>0.0200</b>	<b>0.0000</b>	<b>36.3938</b>	<b>36.3938</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>36.4080</b>

**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	4.0000e-003	0.0361	0.0180	2.6000e-004	0.0598	1.2000e-004	0.0599	7.9200e-003	1.1000e-004	8.0300e-003	0.0000	24.8545	24.8545	2.2000e-004	0.0000	24.8600
Worker	8.1400e-003	5.0400e-003	0.0440	1.3000e-004	0.0151	1.0000e-004	0.0152	4.0100e-003	9.0000e-005	4.1000e-003	0.0000	11.5393	11.5393	3.5000e-004	0.0000	11.5480
<b>Total</b>	<b>0.0121</b>	<b>0.0411</b>	<b>0.0620</b>	<b>3.9000e-004</b>	<b>0.0749</b>	<b>2.2000e-004</b>	<b>0.0751</b>	<b>0.0119</b>	<b>2.0000e-004</b>	<b>0.0121</b>	<b>0.0000</b>	<b>36.3938</b>	<b>36.3938</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>36.4080</b>

### 3.2 01 Survey - 2025

#### 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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

#### 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	5.7400e-003	0.0536	0.0246	4.0000e-004	0.2110	1.7000e-004	0.2112	0.0240	1.6000e-004	0.0242	0.0000	37.8134	37.8134	2.9000e-004	0.0000	37.8208



Worker	0.0117	6.9500e-003	0.0616	1.9000e-004	0.0230	1.4000e-004	0.0232	6.1200e-003	1.3000e-004	6.2500e-003	0.0000	16.9229	16.9229	4.7000e-004	0.0000	16.9348
<b>Total</b>	<b>0.0174</b>	<b>0.0605</b>	<b>0.0862</b>	<b>5.9000e-004</b>	<b>0.2341</b>	<b>3.1000e-004</b>	<b>0.2344</b>	<b>0.0302</b>	<b>2.9000e-004</b>	<b>0.0305</b>	<b>0.0000</b>	<b>54.7364</b>	<b>54.7364</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>54.7556</b>

**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.7400e-003	0.0536	0.0246	4.0000e-004	0.0913	1.7000e-004	0.0915	0.0121	1.6000e-004	0.0123	0.0000	37.8134	37.8134	2.9000e-004	0.0000	37.8208
Worker	0.0117	6.9500e-003	0.0616	1.9000e-004	0.0230	1.4000e-004	0.0232	6.1200e-003	1.3000e-004	6.2500e-003	0.0000	16.9229	16.9229	4.7000e-004	0.0000	16.9348
<b>Total</b>	<b>0.0174</b>	<b>0.0605</b>	<b>0.0862</b>	<b>5.9000e-004</b>	<b>0.1144</b>	<b>3.1000e-004</b>	<b>0.1147</b>	<b>0.0182</b>	<b>2.9000e-004</b>	<b>0.0185</b>	<b>0.0000</b>	<b>54.7364</b>	<b>54.7364</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>54.7556</b>

**3.2 01 Survey - 2026**

**Unmitigated Construction On-Site**



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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.4400e-003	0.0523	0.0222	4.0000e-004	0.0913	1.6000e-004	0.0915	0.0121	1.5000e-004	0.0123	0.0000	37.6861	37.6861	2.6000e-004	0.0000	37.6926
Worker	0.0110	6.3200e-003	0.0570	1.8000e-004	0.0230	1.4000e-004	0.0232	6.1200e-003	1.3000e-004	6.2500e-003	0.0000	16.3116	16.3116	4.3000e-004	0.0000	16.3223
<b>Total</b>	<b>0.0164</b>	<b>0.0586</b>	<b>0.0792</b>	<b>5.8000e-004</b>	<b>0.1144</b>	<b>3.0000e-004</b>	<b>0.1146</b>	<b>0.0182</b>	<b>2.8000e-004</b>	<b>0.0185</b>	<b>0.0000</b>	<b>53.9977</b>	<b>53.9977</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>54.0149</b>

**3.2 01 Survey - 2027**

**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Unmitigated Construction Off-Site**



Vendor	5.3000e-004	5.2000e-003	2.0700e-003	4.0000e-005	9.3400e-003	2.0000e-005	9.3500e-003	1.2400e-003	2.0000e-005	1.2500e-003	0.0000	3.8388	3.8388	2.0000e-005	0.0000	3.8394
Worker	1.0500e-003	5.9000e-004	5.3900e-003	2.0000e-005	2.3500e-003	1.0000e-005	2.3700e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.6121	1.6121	4.0000e-005	0.0000	1.6130
<b>Total</b>	<b>1.5800e-003</b>	<b>5.7900e-003</b>	<b>7.4600e-003</b>	<b>6.0000e-005</b>	<b>0.0117</b>	<b>3.0000e-005</b>	<b>0.0117</b>	<b>1.8700e-003</b>	<b>3.0000e-005</b>	<b>1.8900e-003</b>	<b>0.0000</b>	<b>5.4509</b>	<b>5.4509</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>5.4525</b>

### 3.3 02 Staging Yard - 2024

#### 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					1.0250	0.0000	1.0250	0.1107	0.0000	0.1107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0172	0.1363	0.0964	3.9000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003	0.0000	33.9819	33.9819	0.0110	0.0000	34.2566
<b>Total</b>	<b>0.0172</b>	<b>0.1363</b>	<b>0.0964</b>	<b>3.9000e-004</b>	<b>1.0250</b>	<b>5.1600e-003</b>	<b>1.0301</b>	<b>0.1107</b>	<b>4.7500e-003</b>	<b>0.1154</b>	<b>0.0000</b>	<b>33.9819</b>	<b>33.9819</b>	<b>0.0110</b>	<b>0.0000</b>	<b>34.2566</b>

#### 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	2.3400e-003	0.0762	0.0160	3.3000e-004	11.2725	1.6000e-004	11.2726	1.1277	1.5000e-004	1.1278	0.0000	30.9475	30.9475	8.1000e-004	0.0000	30.9677
Vendor	2.0000e-003	0.0180	9.0100e-003	1.3000e-004	0.0691	6.0000e-005	0.0692	7.8700e-003	5.0000e-005	7.9300e-003	0.0000	12.4272	12.4272	1.1000e-004	0.0000	12.4300
Worker	0.0102	6.3000e-003	0.0550	1.6000e-004	0.0189	1.2000e-004	0.0190	5.0100e-003	1.1000e-004	5.1200e-003	0.0000	14.4241	14.4241	4.3000e-004	0.0000	14.4350
<b>Total</b>	<b>0.0145</b>	<b>0.1005</b>	<b>0.0800</b>	<b>6.2000e-004</b>	<b>11.3605</b>	<b>3.4000e-004</b>	<b>11.3608</b>	<b>1.1406</b>	<b>3.1000e-004</b>	<b>1.1409</b>	<b>0.0000</b>	<b>57.7989</b>	<b>57.7989</b>	<b>1.3500e-003</b>	<b>0.0000</b>	<b>57.8327</b>

#### Mitigated Construction On-Site



Off-Road	0.0259	0.2003	0.1476	5.9000e-004		7.4500e-003	7.4500e-003		6.8600e-003	6.8600e-003	0.0000	51.8845	51.8845	0.0168	0.0000	52.3041
<b>Total</b>	<b>0.0259</b>	<b>0.2003</b>	<b>0.1476</b>	<b>5.9000e-004</b>	<b>1.0250</b>	<b>7.4500e-003</b>	<b>1.0324</b>	<b>0.1107</b>	<b>6.8600e-003</b>	<b>0.1175</b>	<b>0.0000</b>	<b>51.8845</b>	<b>51.8845</b>	<b>0.0168</b>	<b>0.0000</b>	<b>52.3041</b>

**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	3.4900e-003	0.1128	0.0243	4.9000e-004	11.2734	2.3000e-004	11.2736	1.1280	2.2000e-004	1.1282	0.0000	46.9401	46.9401	1.1900e-003	0.0000	46.9698
Vendor	2.8700e-003	0.0268	0.0123	2.0000e-004	0.1055	8.0000e-005	0.1056	0.0120	8.0000e-005	0.0121	0.0000	18.9067	18.9067	1.5000e-004	0.0000	18.9104
Worker	0.0146	8.6900e-003	0.0771	2.3000e-004	0.0288	1.8000e-004	0.0290	7.6500e-003	1.6000e-004	7.8100e-003	0.0000	21.1537	21.1537	5.9000e-004	0.0000	21.1685
<b>Total</b>	<b>0.0209</b>	<b>0.1482</b>	<b>0.1136</b>	<b>9.2000e-004</b>	<b>11.4077</b>	<b>4.9000e-004</b>	<b>11.4082</b>	<b>1.1477</b>	<b>4.6000e-004</b>	<b>1.1482</b>	<b>0.0000</b>	<b>87.0005</b>	<b>87.0005</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>87.0486</b>

**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					0.3997	0.0000	0.3997	0.0432	0.0000	0.0432	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2500e-003	0.0314	0.2657	5.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	51.8845	51.8845	0.0168	0.0000	52.3040
<b>Total</b>	<b>7.2500e-003</b>	<b>0.0314</b>	<b>0.2657</b>	<b>5.9000e-004</b>	<b>0.3997</b>	<b>9.7000e-004</b>	<b>0.4007</b>	<b>0.0432</b>	<b>9.7000e-004</b>	<b>0.0441</b>	<b>0.0000</b>	<b>51.8845</b>	<b>51.8845</b>	<b>0.0168</b>	<b>0.0000</b>	<b>52.3040</b>

**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	3.4900e-003	0.1128	0.0243	4.9000e-004	4.4082	2.3000e-004	4.4084	0.4430	2.2000e-004	0.4432	0.0000	46.9401	46.9401	1.1900e-003	0.0000	46.9698
Vendor	2.8700e-003	0.0268	0.0123	2.0000e-004	0.0457	8.0000e-005	0.0457	6.0500e-003	8.0000e-005	6.1300e-003	0.0000	18.9067	18.9067	1.5000e-004	0.0000	18.9104
Worker	0.0146	8.6900e-003	0.0771	2.3000e-004	0.0288	1.8000e-004	0.0290	7.6500e-003	1.6000e-004	7.8100e-003	0.0000	21.1537	21.1537	5.9000e-004	0.0000	21.1685
<b>Total</b>	<b>0.0209</b>	<b>0.1482</b>	<b>0.1136</b>	<b>9.2000e-004</b>	<b>4.4826</b>	<b>4.9000e-004</b>	<b>4.4831</b>	<b>0.4567</b>	<b>4.6000e-004</b>	<b>0.4571</b>	<b>0.0000</b>	<b>87.0005</b>	<b>87.0005</b>	<b>1.9300e-003</b>	<b>0.0000</b>	<b>87.0486</b>

**3.3 02 Staging Yard - 2026**  
**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					1.0250	0.0000	1.0250	0.1107	0.0000	0.1107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0259	0.2003	0.1476	5.9000e-004		7.4500e-003	7.4500e-003		6.8600e-003	6.8600e-003	0.0000	51.8845	51.8845	0.0168	0.0000	52.3041
<b>Total</b>	<b>0.0259</b>	<b>0.2003</b>	<b>0.1476</b>	<b>5.9000e-004</b>	<b>1.0250</b>	<b>7.4500e-003</b>	<b>1.0324</b>	<b>0.1107</b>	<b>6.8600e-003</b>	<b>0.1175</b>	<b>0.0000</b>	<b>51.8845</b>	<b>51.8845</b>	<b>0.0168</b>	<b>0.0000</b>	<b>52.3041</b>

**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	3.4300e-003	0.1096	0.0243	4.9000e-004	11.2734	2.1000e-004	11.2736	1.1280	2.1000e-004	1.1282	0.0000	46.6800	46.6800	1.1400e-003	0.0000	46.7085



Vendor	2.7200e-003	0.0261	0.0111	2.0000e-004	0.1055	8.0000e-005	0.1056	0.0120	8.0000e-005	0.0121	0.0000	18.8430	18.8430	1.3000e-004	0.0000	18.8463
Worker	0.0137	7.9000e-003	0.0712	2.3000e-004	0.0288	1.7000e-004	0.0290	7.6500e-003	1.6000e-004	7.8100e-003	0.0000	20.3895	20.3895	5.3000e-004	0.0000	20.4029
<b>Total</b>	<b>0.0199</b>	<b>0.1437</b>	<b>0.1066</b>	<b>9.2000e-004</b>	<b>11.4077</b>	<b>4.6000e-004</b>	<b>11.4082</b>	<b>1.1477</b>	<b>4.5000e-004</b>	<b>1.1481</b>	<b>0.0000</b>	<b>85.9125</b>	<b>85.9125</b>	<b>1.8000e-003</b>	<b>0.0000</b>	<b>85.9576</b>

**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					0.3997	0.0000	0.3997	0.0432	0.0000	0.0432	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2500e-003	0.0314	0.2657	5.9000e-004		9.7000e-004	9.7000e-004		9.7000e-004	9.7000e-004	0.0000	51.8845	51.8845	0.0168	0.0000	52.3040
<b>Total</b>	<b>7.2500e-003</b>	<b>0.0314</b>	<b>0.2657</b>	<b>5.9000e-004</b>	<b>0.3997</b>	<b>9.7000e-004</b>	<b>0.4007</b>	<b>0.0432</b>	<b>9.7000e-004</b>	<b>0.0441</b>	<b>0.0000</b>	<b>51.8845</b>	<b>51.8845</b>	<b>0.0168</b>	<b>0.0000</b>	<b>52.3040</b>

**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	3.4300e-003	0.1096	0.0243	4.9000e-004	4.4082	2.1000e-004	4.4084	0.4430	2.1000e-004	0.4432	0.0000	46.6800	46.6800	1.1400e-003	0.0000	46.7085
Vendor	2.7200e-003	0.0261	0.0111	2.0000e-004	0.0457	8.0000e-005	0.0457	6.0500e-003	8.0000e-005	6.1200e-003	0.0000	18.8430	18.8430	1.3000e-004	0.0000	18.8463
Worker	0.0137	7.9000e-003	0.0712	2.3000e-004	0.0288	1.7000e-004	0.0290	7.6500e-003	1.6000e-004	7.8100e-003	0.0000	20.3895	20.3895	5.3000e-004	0.0000	20.4029
<b>Total</b>	<b>0.0199</b>	<b>0.1437</b>	<b>0.1066</b>	<b>9.2000e-004</b>	<b>4.4826</b>	<b>4.6000e-004</b>	<b>4.4831</b>	<b>0.4567</b>	<b>4.5000e-004</b>	<b>0.4571</b>	<b>0.0000</b>	<b>85.9125</b>	<b>85.9125</b>	<b>1.8000e-003</b>	<b>0.0000</b>	<b>85.9576</b>

**3.3 02 Staging Yard - 2027**

**Unmitigated Construction On-Site**



Off-Road	7.4000e-004	3.2100e-003	0.0272	6.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	5.3045	5.3045	1.7200e-003	0.0000	5.3474
<b>Total</b>	<b>7.4000e-004</b>	<b>3.2100e-003</b>	<b>0.0272</b>	<b>6.0000e-005</b>	<b>0.3997</b>	<b>1.0000e-004</b>	<b>0.3998</b>	<b>0.0432</b>	<b>1.0000e-004</b>	<b>0.0433</b>	<b>0.0000</b>	<b>5.3045</b>	<b>5.3045</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>5.3474</b>

**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	3.5000e-004	0.0109	2.4800e-003	5.0000e-005	4.4058	2.0000e-005	4.4058	0.4421	2.0000e-005	0.4421	0.0000	4.7493	4.7493	1.1000e-004	0.0000	4.7521
Vendor	2.6000e-004	2.6000e-003	1.0300e-003	2.0000e-005	4.6700e-003	1.0000e-005	4.6800e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.9194	1.9194	1.0000e-005	0.0000	1.9197
Worker	1.3100e-003	7.3000e-004	6.7400e-003	2.0000e-005	2.9400e-003	2.0000e-005	2.9600e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.0151	2.0151	5.0000e-005	0.0000	2.0163
<b>Total</b>	<b>1.9200e-003</b>	<b>0.0143</b>	<b>0.0103</b>	<b>9.0000e-005</b>	<b>4.4134</b>	<b>5.0000e-005</b>	<b>4.4134</b>	<b>0.4435</b>	<b>5.0000e-005</b>	<b>0.4435</b>	<b>0.0000</b>	<b>8.6838</b>	<b>8.6838</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>8.6881</b>

**3.4 03 Tree Trimming and Removal - 2024**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1500e-003	0.0152	0.0188	2.0000e-005		6.5000e-004	6.5000e-004		6.0000e-004	6.0000e-004	0.0000	1.8785	1.8785	6.1000e-004	0.0000	1.8936
<b>Total</b>	<b>2.1500e-003</b>	<b>0.0152</b>	<b>0.0188</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>6.5000e-004</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>6.0000e-004</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>1.8785</b>	<b>1.8785</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>1.8936</b>

**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	2.3000e-004	6.8600e-003	1.5700e-003	3.0000e-005	0.1136	2.0000e-005	0.1136	0.0115	2.0000e-005	0.0115	0.0000	3.1509	3.1509	6.0000e-005	0.0000	3.1525
Vendor	2.9000e-004	2.6400e-003	1.3200e-003	2.0000e-005	0.0101	1.0000e-005	0.0101	1.1500e-003	1.0000e-005	1.1600e-003	0.0000	1.8186	1.8186	2.0000e-005	0.0000	1.8190
Worker	1.4900e-003	9.2000e-004	8.0500e-003	2.0000e-005	2.7600e-003	2.0000e-005	2.7800e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.1109	2.1109	6.0000e-005	0.0000	2.1124
<b>Total</b>	<b>2.0100e-003</b>	<b>0.0104</b>	<b>0.0109</b>	<b>7.0000e-005</b>	<b>0.1264</b>	<b>5.0000e-005</b>	<b>0.1265</b>	<b>0.0133</b>	<b>5.0000e-005</b>	<b>0.0134</b>	<b>0.0000</b>	<b>7.0804</b>	<b>7.0804</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>7.0839</b>

### 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7000e-004	0.0108	0.0152	2.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	1.8785	1.8785	6.1000e-004	0.0000	1.8936
<b>Total</b>	<b>4.7000e-004</b>	<b>0.0108</b>	<b>0.0152</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.8785</b>	<b>1.8785</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>1.8936</b>

### 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	2.3000e-004	6.8600e-003	1.5700e-003	3.0000e-005	0.0447	2.0000e-005	0.0447	4.5900e-003	2.0000e-005	4.6000e-003	0.0000	3.1509	3.1509	6.0000e-005	0.0000	3.1525

Vendor	2.9000e-004	2.6400e-003	1.3200e-003	2.0000e-005	4.3800e-003	1.0000e-005	4.3800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.8186	1.8186	2.0000e-005	0.0000	1.8190
Worker	1.4900e-003	9.2000e-004	8.0500e-003	2.0000e-005	2.7600e-003	2.0000e-005	2.7800e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	2.1109	2.1109	6.0000e-005	0.0000	2.1124
<b>Total</b>	<b>2.0100e-003</b>	<b>0.0104</b>	<b>0.0109</b>	<b>7.0000e-005</b>	<b>0.0519</b>	<b>5.0000e-005</b>	<b>0.0519</b>	<b>5.9000e-003</b>	<b>5.0000e-005</b>	<b>5.9400e-003</b>	<b>0.0000</b>	<b>7.0804</b>	<b>7.0804</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>7.0839</b>

### 3.5 04 Road Work - 2024

#### 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					0.0683	0.0000	0.0683	7.3700e-003	0.0000	7.3700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0206	0.1748	0.1333	5.2000e-004		6.5800e-003	6.5800e-003		6.0500e-003	6.0500e-003	0.0000	45.4079	45.4079	0.0147	0.0000	45.7750
<b>Total</b>	<b>0.0206</b>	<b>0.1748</b>	<b>0.1333</b>	<b>5.2000e-004</b>	<b>0.0683</b>	<b>6.5800e-003</b>	<b>0.0749</b>	<b>7.3700e-003</b>	<b>6.0500e-003</b>	<b>0.0134</b>	<b>0.0000</b>	<b>45.4079</b>	<b>45.4079</b>	<b>0.0147</b>	<b>0.0000</b>	<b>45.7750</b>

#### 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	1.6000e-004	5.6000e-003	1.0500e-003	2.0000e-005	0.3677	1.0000e-005	0.3677	0.0367	1.0000e-005	0.0367	0.0000	1.9182	1.9182	7.0000e-005	0.0000	1.9199
Vendor	6.4000e-004	5.8100e-003	2.9000e-003	4.0000e-005	0.0223	2.0000e-005	0.0223	2.5300e-003	2.0000e-005	2.5500e-003	0.0000	4.0010	4.0010	4.0000e-005	0.0000	4.0019
Worker	1.6400e-003	1.0100e-003	8.8500e-003	3.0000e-005	3.0300e-003	2.0000e-005	3.0500e-003	8.1000e-004	2.0000e-005	8.2000e-004	0.0000	2.3219	2.3219	7.0000e-005	0.0000	2.3237
<b>Total</b>	<b>2.4400e-003</b>	<b>0.0124</b>	<b>0.0128</b>	<b>9.0000e-005</b>	<b>0.3929</b>	<b>5.0000e-005</b>	<b>0.3930</b>	<b>0.0401</b>	<b>5.0000e-005</b>	<b>0.0401</b>	<b>0.0000</b>	<b>8.2411</b>	<b>8.2411</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>8.2455</b>

#### Mitigated Construction On-Site



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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	4.6000e-004	0.0145	3.2000e-003	7.0000e-005	0.2866	3.0000e-005	0.2867	0.0288	3.0000e-005	0.0289	0.0000	6.3179	6.3179	1.4000e-004	0.0000	6.3215
Vendor	6.8000e-004	6.1600e-003	3.0800e-003	5.0000e-005	0.0236	2.0000e-005	0.0236	2.6900e-003	2.0000e-005	2.7100e-003	0.0000	4.2435	4.2435	4.0000e-005	0.0000	4.2444
Worker	1.7400e-003	1.0800e-003	9.3900e-003	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.7000e-004	0.0000	2.4627	2.4627	7.0000e-005	0.0000	2.4645
<b>Total</b>	<b>2.8800e-003</b>	<b>0.0218</b>	<b>0.0157</b>	<b>1.5000e-004</b>	<b>0.3134</b>	<b>7.0000e-005</b>	<b>0.3135</b>	<b>0.0324</b>	<b>7.0000e-005</b>	<b>0.0325</b>	<b>0.0000</b>	<b>13.0240</b>	<b>13.0240</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>13.0304</b>

**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	4.6000e-004	0.0145	3.2000e-003	7.0000e-005	0.1126	3.0000e-005	0.1126	0.0115	3.0000e-005	0.0115	0.0000	6.3179	6.3179	1.4000e-004	0.0000	6.3215
Vendor	6.8000e-004	6.1600e-003	3.0800e-003	5.0000e-005	0.0102	2.0000e-005	0.0102	1.3500e-003	2.0000e-005	1.3700e-003	0.0000	4.2435	4.2435	4.0000e-005	0.0000	4.2444
Worker	1.7400e-003	1.0800e-003	9.3900e-003	3.0000e-005	3.2200e-003	2.0000e-005	3.2400e-003	8.6000e-004	2.0000e-005	8.7000e-004	0.0000	2.4627	2.4627	7.0000e-005	0.0000	2.4645
<b>Total</b>	<b>2.8800e-003</b>	<b>0.0218</b>	<b>0.0157</b>	<b>1.5000e-004</b>	<b>0.1260</b>	<b>7.0000e-005</b>	<b>0.1261</b>	<b>0.0137</b>	<b>7.0000e-005</b>	<b>0.0138</b>	<b>0.0000</b>	<b>13.0240</b>	<b>13.0240</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>13.0304</b>

**3.7 05 Wet Crossing Installation - 2024**  
**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3400e-003	0.0357	0.0396	1.2000e-004		1.4200e-003	1.4200e-003		1.3100e-003	1.3100e-003	0.0000	10.7392	10.7392	3.4700e-003	0.0000	10.8261
<b>Total</b>	<b>4.3400e-003</b>	<b>0.0357</b>	<b>0.0396</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.4200e-003</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>1.3100e-003</b>	<b>1.3100e-003</b>	<b>0.0000</b>	<b>10.7392</b>	<b>10.7392</b>	<b>3.4700e-003</b>	<b>0.0000</b>	<b>10.8261</b>

**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	1.8000e-004	6.2300e-003	1.2600e-003	3.0000e-005	0.1156	1.0000e-005	0.1156	0.0116	1.0000e-005	0.0116	0.0000	2.3982	2.3982	7.0000e-005	0.0000	2.4000



Vendor	1.2000e-004	1.0600e-003	5.3000e-004	1.0000e-005	4.0500e-003	0.0000	4.0500e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.7275	0.7275	1.0000e-005	0.0000	0.7276
Worker	7.1000e-004	4.4000e-004	3.8600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0132	1.0132	3.0000e-005	0.0000	1.0140
<b>Total</b>	<b>1.0100e-003</b>	<b>7.7300e-003</b>	<b>5.6500e-003</b>	<b>5.0000e-005</b>	<b>0.1210</b>	<b>2.0000e-005</b>	<b>0.1210</b>	<b>0.0124</b>	<b>2.0000e-005</b>	<b>0.0125</b>	<b>0.0000</b>	<b>4.1389</b>	<b>4.1389</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>4.1416</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	1.0000e-004	0.0654	1.2000e-004		5.0000e-004	5.0000e-004		4.7000e-004	4.7000e-004	0.0000	10.7392	10.7392	3.4700e-003	0.0000	10.8260
<b>Total</b>	<b>2.0500e-003</b>	<b>1.0000e-004</b>	<b>0.0654</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>5.0000e-004</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>4.7000e-004</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>10.7392</b>	<b>10.7392</b>	<b>3.4700e-003</b>	<b>0.0000</b>	<b>10.8260</b>

**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	1.8000e-004	6.2300e-003	1.2600e-003	3.0000e-005	0.0454	1.0000e-005	0.0454	4.6100e-003	1.0000e-005	4.6200e-003	0.0000	2.3982	2.3982	7.0000e-005	0.0000	2.4000
Vendor	1.2000e-004	1.0600e-003	5.3000e-004	1.0000e-005	1.7500e-003	0.0000	1.7500e-003	2.3000e-004	0.0000	2.4000e-004	0.0000	0.7275	0.7275	1.0000e-005	0.0000	0.7276
Worker	7.1000e-004	4.4000e-004	3.8600e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3300e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0132	1.0132	3.0000e-005	0.0000	1.0140
<b>Total</b>	<b>1.0100e-003</b>	<b>7.7300e-003</b>	<b>5.6500e-003</b>	<b>5.0000e-005</b>	<b>0.0484</b>	<b>2.0000e-005</b>	<b>0.0485</b>	<b>5.1900e-003</b>	<b>2.0000e-005</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>4.1389</b>	<b>4.1389</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>4.1416</b>

**3.8 08 TSP Assembly - 2024**

**Unmitigated Construction On-Site**



Off-Road	3.1100e-003	0.0710	0.0959	1.6000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	13.3555	13.3555	7.5000e-004	0.0000	13.3743
<b>Total</b>	<b>3.1100e-003</b>	<b>0.0710</b>	<b>0.0959</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>13.3555</b>	<b>13.3555</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>13.3743</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.7000e-004	0.0253	5.3100e-003	1.1000e-004	0.4038	5.0000e-005	0.4039	0.0406	5.0000e-005	0.0407	0.0000	10.2655	10.2655	2.7000e-004	0.0000	10.2722
Vendor	5.3100e-003	0.0479	0.0239	3.5000e-004	0.0794	1.5000e-004	0.0795	0.0105	1.5000e-004	0.0107	0.0000	32.9776	32.9776	2.9000e-004	0.0000	32.9849
Worker	6.7500e-003	4.1800e-003	0.0365	1.1000e-004	0.0125	8.0000e-005	0.0126	3.3200e-003	7.0000e-005	3.4000e-003	0.0000	9.5692	9.5692	2.9000e-004	0.0000	9.5764
<b>Total</b>	<b>0.0128</b>	<b>0.0773</b>	<b>0.0657</b>	<b>5.7000e-004</b>	<b>0.4957</b>	<b>2.8000e-004</b>	<b>0.4960</b>	<b>0.0545</b>	<b>2.7000e-004</b>	<b>0.0547</b>	<b>0.0000</b>	<b>52.8123</b>	<b>52.8123</b>	<b>8.5000e-004</b>	<b>0.0000</b>	<b>52.8335</b>

**3.8 08 TSP Assembly - 2025**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e-005	4.4000e-004	7.0000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0982	0.0982	1.0000e-005	0.0000	0.0983
<b>Total</b>	<b>7.0000e-005</b>	<b>4.4000e-004</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0982</b>	<b>0.0982</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0983</b>

**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	1.0000e-005	1.8000e-004	4.0000e-005	0.0000	1.0320	0.0000	1.0320	0.1032	0.0000	0.1032	0.0000	0.0750	0.0750	0.0000	0.0000	0.0750
Vendor	4.0000e-005	3.4000e-004	1.6000e-004	0.0000	1.3500e-003	0.0000	1.3500e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.2416	0.2416	0.0000	0.0000	0.2417
Worker	5.0000e-005	3.0000e-005	2.5000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0676	0.0676	0.0000	0.0000	0.0676
<b>Total</b>	<b>1.0000e-004</b>	<b>5.5000e-004</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.0334</b>	<b>0.0000</b>	<b>1.0334</b>	<b>0.1033</b>	<b>0.0000</b>	<b>0.1033</b>	<b>0.0000</b>	<b>0.3842</b>	<b>0.3842</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3843</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-005	5.2000e-004	7.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0982	0.0982	1.0000e-005	0.0000	0.0983
<b>Total</b>	<b>2.0000e-005</b>	<b>5.2000e-004</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0982</b>	<b>0.0982</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0983</b>

**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	1.0000e-005	1.8000e-004	4.0000e-005	0.0000	0.4032	0.0000	0.4032	0.0404	0.0000	0.0404	0.0000	0.0750	0.0750	0.0000	0.0000	0.0750

Vendor	4.0000e-005	3.4000e-004	1.6000e-004	0.0000	5.8000e-004	0.0000	5.8000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2416	0.2416	0.0000	0.0000	0.2417
Worker	5.0000e-005	3.0000e-005	2.5000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0676	0.0676	0.0000	0.0000	0.0676
<b>Total</b>	<b>1.0000e-004</b>	<b>5.5000e-004</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>0.4039</b>	<b>0.0000</b>	<b>0.4039</b>	<b>0.0405</b>	<b>0.0000</b>	<b>0.0405</b>	<b>0.0000</b>	<b>0.3842</b>	<b>0.3842</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.3843</b>

### 3.9 06 Install TDIP Foundations - 2024

#### 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0175	0.1557	0.1202	5.1000e-004		5.6900e-003	5.6900e-003		5.2300e-003	5.2300e-003	0.0000	44.5103	44.5103	0.0144	0.0000	44.8702
<b>Total</b>	<b>0.0175</b>	<b>0.1557</b>	<b>0.1202</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>5.6900e-003</b>	<b>5.6900e-003</b>	<b>0.0000</b>	<b>5.2300e-003</b>	<b>5.2300e-003</b>	<b>0.0000</b>	<b>44.5103</b>	<b>44.5103</b>	<b>0.0144</b>	<b>0.0000</b>	<b>44.8702</b>

#### 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	2.1900e-003	0.0714	0.0150	3.0000e-004	3.1028	1.5000e-004	3.1029	0.3114	1.4000e-004	0.3115	0.0000	28.9850	28.9850	7.6000e-004	0.0000	29.0039
Vendor	2.5000e-003	0.0225	0.0113	1.7000e-004	0.0863	7.0000e-005	0.0864	9.8300e-003	7.0000e-005	9.9000e-003	0.0000	15.5189	15.5189	1.4000e-004	0.0000	15.5223
Worker	6.3600e-003	3.9300e-003	0.0343	1.0000e-004	0.0118	7.0000e-005	0.0119	3.1300e-003	7.0000e-005	3.2000e-003	0.0000	9.0063	9.0063	2.7000e-004	0.0000	9.0131
<b>Total</b>	<b>0.0111</b>	<b>0.0978</b>	<b>0.0606</b>	<b>5.7000e-004</b>	<b>3.2009</b>	<b>2.9000e-004</b>	<b>3.2012</b>	<b>0.3243</b>	<b>2.8000e-004</b>	<b>0.3246</b>	<b>0.0000</b>	<b>53.5102</b>	<b>53.5102</b>	<b>1.1700e-003</b>	<b>0.0000</b>	<b>53.5393</b>

#### Mitigated Construction On-Site



Off-Road	0.0184	0.1470	0.1364	5.8000e-004		5.6300e-003	5.6300e-003		5.1800e-003	5.1800e-003	0.0000	50.8434	50.8434	0.0164	0.0000	51.2545
<b>Total</b>	<b>0.0184</b>	<b>0.1470</b>	<b>0.1364</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>5.6300e-003</b>	<b>5.6300e-003</b>	<b>0.0000</b>	<b>5.1800e-003</b>	<b>5.1800e-003</b>	<b>0.0000</b>	<b>50.8434</b>	<b>50.8434</b>	<b>0.0164</b>	<b>0.0000</b>	<b>51.2545</b>

**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	2.4400e-003	0.0789	0.0170	3.5000e-004	3.1030	1.6000e-004	3.1032	0.3114	1.5000e-004	0.3116	0.0000	32.8431	32.8431	8.3000e-004	0.0000	32.8638
Vendor	2.6800e-003	0.0250	0.0115	1.9000e-004	0.0984	8.0000e-005	0.0985	0.0112	7.0000e-005	0.0113	0.0000	17.6382	17.6382	1.4000e-004	0.0000	17.6416
Worker	6.7900e-003	4.0500e-003	0.0359	1.1000e-004	0.0134	8.0000e-005	0.0135	3.5700e-003	8.0000e-005	3.6500e-003	0.0000	9.8672	9.8672	2.8000e-004	0.0000	9.8741
<b>Total</b>	<b>0.0119</b>	<b>0.1079</b>	<b>0.0644</b>	<b>6.5000e-004</b>	<b>3.2149</b>	<b>3.2000e-004</b>	<b>3.2152</b>	<b>0.3262</b>	<b>3.0000e-004</b>	<b>0.3265</b>	<b>0.0000</b>	<b>60.3485</b>	<b>60.3485</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>60.3796</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.4400e-003	-0.0178	0.3148	5.8000e-004		-0.0010	-0.0010		-0.0008	-0.0008	0.0000	50.8433	50.8433	0.0164	0.0000	51.2544
<b>Total</b>	<b>2.4400e-003</b>	<b>-0.0178</b>	<b>0.3148</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>-0.0010</b>	<b>-0.0010</b>	<b>0.0000</b>	<b>-0.0008</b>	<b>-0.0008</b>	<b>0.0000</b>	<b>50.8433</b>	<b>50.8433</b>	<b>0.0164</b>	<b>0.0000</b>	<b>51.2544</b>

**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	2.4400e-003	0.0789	0.0170	3.5000e-004	1.2168	1.6000e-004	1.2169	0.1232	1.5000e-004	0.1234	0.0000	32.8431	32.8431	8.3000e-004	0.0000	32.8638
Vendor	2.6800e-003	0.0250	0.0115	1.9000e-004	0.0426	8.0000e-005	0.0427	5.6400e-003	7.0000e-005	5.7200e-003	0.0000	17.6382	17.6382	1.4000e-004	0.0000	17.6416
Worker	6.7900e-003	4.0500e-003	0.0359	1.1000e-004	0.0134	8.0000e-005	0.0135	3.5700e-003	8.0000e-005	3.6500e-003	0.0000	9.8672	9.8672	2.8000e-004	0.0000	9.8741
<b>Total</b>	<b>0.0119</b>	<b>0.1079</b>	<b>0.0644</b>	<b>6.5000e-004</b>	<b>1.2728</b>	<b>3.2000e-004</b>	<b>1.2731</b>	<b>0.1324</b>	<b>3.0000e-004</b>	<b>0.1327</b>	<b>0.0000</b>	<b>60.3485</b>	<b>60.3485</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>60.3796</b>

**3.10 09 TSP Erection - 2025**  
**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0324	0.2915	0.2921	6.8000e-004		0.0122	0.0122		0.0114	0.0114	0.0000	59.3943	59.3943	0.0156	0.0000	59.7841
<b>Total</b>	<b>0.0324</b>	<b>0.2915</b>	<b>0.2921</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>0.0122</b>	<b>0.0122</b>	<b>0.0000</b>	<b>0.0114</b>	<b>0.0114</b>	<b>0.0000</b>	<b>59.3943</b>	<b>59.3943</b>	<b>0.0156</b>	<b>0.0000</b>	<b>59.7841</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.7000e-004	0.0287	5.2600e-003	1.0000e-004	0.8774	4.0000e-005	0.8775	0.0878	4.0000e-005	0.0878	0.0000	9.3720	9.3720	3.7000e-004	0.0000	9.3812



Vendor	2.5100e-003	0.0235	0.0108	1.8000e-004	0.0924	7.0000e-005	0.0924	0.0105	7.0000e-005	0.0106	0.0000	16.5509	16.5509	1.3000e-004	0.0000	16.5541
Worker	6.3700e-003	3.8000e-003	0.0337	1.0000e-004	0.0126	8.0000e-005	0.0127	3.3500e-003	7.0000e-005	3.4200e-003	0.0000	9.2590	9.2590	2.6000e-004	0.0000	9.2654
<b>Total</b>	<b>9.6500e-003</b>	<b>0.0559</b>	<b>0.0497</b>	<b>3.8000e-004</b>	<b>0.9824</b>	<b>1.9000e-004</b>	<b>0.9826</b>	<b>0.1017</b>	<b>1.8000e-004</b>	<b>0.1019</b>	<b>0.0000</b>	<b>35.1818</b>	<b>35.1818</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>35.2008</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0145	0.1583	0.3212	6.8000e-004		3.5500e-003	3.5500e-003		3.3300e-003	3.3300e-003	0.0000	59.3942	59.3942	0.0156	0.0000	59.7840
<b>Total</b>	<b>0.0145</b>	<b>0.1583</b>	<b>0.3212</b>	<b>6.8000e-004</b>	<b>0.0000</b>	<b>3.5500e-003</b>	<b>3.5500e-003</b>	<b>0.0000</b>	<b>3.3300e-003</b>	<b>3.3300e-003</b>	<b>0.0000</b>	<b>59.3942</b>	<b>59.3942</b>	<b>0.0156</b>	<b>0.0000</b>	<b>59.7840</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.7000e-004	0.0287	5.2600e-003	1.0000e-004	0.3430	4.0000e-005	0.3430	0.0345	4.0000e-005	0.0345	0.0000	9.3720	9.3720	3.7000e-004	0.0000	9.3812
Vendor	2.5100e-003	0.0235	0.0108	1.8000e-004	0.0400	7.0000e-005	0.0400	5.2900e-003	7.0000e-005	5.3600e-003	0.0000	16.5509	16.5509	1.3000e-004	0.0000	16.5541
Worker	6.3700e-003	3.8000e-003	0.0337	1.0000e-004	0.0126	8.0000e-005	0.0127	3.3500e-003	7.0000e-005	3.4200e-003	0.0000	9.2590	9.2590	2.6000e-004	0.0000	9.2654
<b>Total</b>	<b>9.6500e-003</b>	<b>0.0559</b>	<b>0.0497</b>	<b>3.8000e-004</b>	<b>0.3956</b>	<b>1.9000e-004</b>	<b>0.3958</b>	<b>0.0431</b>	<b>1.8000e-004</b>	<b>0.0433</b>	<b>0.0000</b>	<b>35.1818</b>	<b>35.1818</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>35.2008</b>

**3.11 10 TSP H-Frame Foundation Install - 2025**

**Unmitigated Construction On-Site**



Off-Road	1.1200e-003	-0.0032	0.1190	2.2000e-004		-0.0002	-0.0002		-0.0002	-0.0002	0.0000	19.5145	19.5145	6.3100e-003	0.0000	19.6723
<b>Total</b>	<b>1.1200e-003</b>	<b>-0.0032</b>	<b>0.1190</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>-0.0002</b>	<b>-0.0002</b>	<b>0.0000</b>	<b>-0.0002</b>	<b>-0.0002</b>	<b>0.0000</b>	<b>19.5145</b>	<b>19.5145</b>	<b>6.3100e-003</b>	<b>0.0000</b>	<b>19.6723</b>

**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	5.4000e-004	0.0173	3.7300e-003	8.0000e-005	0.1423	3.0000e-005	0.1423	0.0145	3.0000e-005	0.0145	0.0000	7.1985	7.1985	1.8000e-004	0.0000	7.2030
Vendor	5.9000e-004	5.4800e-003	2.5100e-003	4.0000e-005	9.3400e-003	2.0000e-005	9.3500e-003	1.2400e-003	2.0000e-005	1.2500e-003	0.0000	3.8659	3.8659	3.0000e-005	0.0000	3.8667
Worker	1.4900e-003	8.9000e-004	7.8800e-003	2.0000e-005	2.9400e-003	2.0000e-005	2.9600e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.1627	2.1627	6.0000e-005	0.0000	2.1642
<b>Total</b>	<b>2.6200e-003</b>	<b>0.0237</b>	<b>0.0141</b>	<b>1.4000e-004</b>	<b>0.1546</b>	<b>7.0000e-005</b>	<b>0.1546</b>	<b>0.0165</b>	<b>7.0000e-005</b>	<b>0.0165</b>	<b>0.0000</b>	<b>13.2271</b>	<b>13.2271</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>13.2339</b>

**3.12 11 TSP H-Frame Haul - 2025**

**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.0000e-005	1.6000e-003	3.6000e-004	1.0000e-005	0.0328	0.0000	0.0328	3.3000e-003	0.0000	3.3000e-003	0.0000	0.7174	0.7174	2.0000e-005	0.0000	0.7178
Vendor	7.0000e-005	6.8000e-004	3.1000e-004	1.0000e-005	2.7000e-003	0.0000	2.7000e-003	3.1000e-004	0.0000	3.1000e-004	0.0000	0.4832	0.4832	0.0000	0.0000	0.4833
Worker	1.9000e-004	1.1000e-004	9.8000e-004	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2703	0.2703	1.0000e-005	0.0000	0.2705
<b>Total</b>	<b>3.1000e-004</b>	<b>2.3900e-003</b>	<b>1.6500e-003</b>	<b>2.0000e-005</b>	<b>0.0358</b>	<b>0.0000</b>	<b>0.0358</b>	<b>3.7100e-003</b>	<b>0.0000</b>	<b>3.7100e-003</b>	<b>0.0000</b>	<b>1.4710</b>	<b>1.4710</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.4716</b>

**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	5.0000e-005	1.6000e-003	3.6000e-004	1.0000e-005	0.0129	0.0000	0.0129	1.3100e-003	0.0000	1.3200e-003	0.0000	0.7174	0.7174	2.0000e-005	0.0000	0.7178

Vendor	7.0000e-005	6.8000e-004	3.1000e-004	1.0000e-005	1.1700e-003	0.0000	1.1700e-003	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4832	0.4832	0.0000	0.0000	0.4833
Worker	1.9000e-004	1.1000e-004	9.8000e-004	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2703	0.2703	1.0000e-005	0.0000	0.2705
<b>Total</b>	<b>3.1000e-004</b>	<b>2.3900e-003</b>	<b>1.6500e-003</b>	<b>2.0000e-005</b>	<b>0.0144</b>	<b>0.0000</b>	<b>0.0144</b>	<b>1.5600e-003</b>	<b>0.0000</b>	<b>1.5800e-003</b>	<b>0.0000</b>	<b>1.4710</b>	<b>1.4710</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.4716</b>

### 3.13 12 TSP H-Frame Assembly - 2025

#### 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	7.0500e-003	0.0111	2.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004	0.0000	1.5712	1.5712	9.0000e-005	0.0000	1.5734
<b>Total</b>	<b>1.0500e-003</b>	<b>7.0500e-003</b>	<b>0.0111</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>3.2000e-004</b>	<b>3.2000e-004</b>	<b>0.0000</b>	<b>1.5712</b>	<b>1.5712</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.5734</b>

#### 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	9.0000e-005	2.8800e-003	6.2000e-004	1.0000e-005	0.1206	1.0000e-005	0.1206	0.0121	1.0000e-005	0.0121	0.0000	1.1998	1.1998	3.0000e-005	0.0000	1.2005
Vendor	5.9000e-004	5.4800e-003	2.5100e-003	4.0000e-005	0.0216	2.0000e-005	0.0216	2.4600e-003	2.0000e-005	2.4700e-003	0.0000	3.8659	3.8659	3.0000e-005	0.0000	3.8667
Worker	7.4000e-004	4.4000e-004	3.9400e-003	1.0000e-005	1.4700e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.0813	1.0813	3.0000e-005	0.0000	1.0821
<b>Total</b>	<b>1.4200e-003</b>	<b>8.8000e-003</b>	<b>7.0700e-003</b>	<b>6.0000e-005</b>	<b>0.1436</b>	<b>4.0000e-005</b>	<b>0.1437</b>	<b>0.0149</b>	<b>4.0000e-005</b>	<b>0.0150</b>	<b>0.0000</b>	<b>6.1470</b>	<b>6.1470</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>6.1493</b>

#### Mitigated Construction On-Site



Off-Road	3.7900e-003	0.0340	0.0341	8.0000e-005		1.4200e-003	1.4200e-003		1.3300e-003	1.3300e-003	0.0000	6.9366	6.9366	1.8200e-003	0.0000	6.9821
<b>Total</b>	<b>3.7900e-003</b>	<b>0.0340</b>	<b>0.0341</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.4200e-003</b>	<b>1.4200e-003</b>	<b>0.0000</b>	<b>1.3300e-003</b>	<b>1.3300e-003</b>	<b>0.0000</b>	<b>6.9366</b>	<b>6.9366</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>6.9821</b>

### 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	5.0000e-005	1.6700e-003	3.1000e-004	1.0000e-005	0.0934	0.0000	0.0934	9.3300e-003	0.0000	9.3300e-003	0.0000	0.5473	0.5473	2.0000e-005	0.0000	0.5478
Vendor	2.9000e-004	2.7400e-003	1.2500e-003	2.0000e-005	0.0108	1.0000e-005	0.0108	1.2300e-003	1.0000e-005	1.2400e-003	0.0000	1.9330	1.9330	2.0000e-005	0.0000	1.9333
Worker	7.4000e-004	4.4000e-004	3.9400e-003	1.0000e-005	1.4700e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.0813	1.0813	3.0000e-005	0.0000	1.0821
<b>Total</b>	<b>1.0800e-003</b>	<b>4.8500e-003</b>	<b>5.5000e-003</b>	<b>4.0000e-005</b>	<b>0.1056</b>	<b>2.0000e-005</b>	<b>0.1056</b>	<b>0.0110</b>	<b>2.0000e-005</b>	<b>0.0110</b>	<b>0.0000</b>	<b>3.5616</b>	<b>3.5616</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>3.5632</b>

### 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6900e-003	0.0185	0.0375	8.0000e-005		4.2000e-004	4.2000e-004		3.9000e-004	3.9000e-004	0.0000	6.9366	6.9366	1.8200e-003	0.0000	6.9821
<b>Total</b>	<b>1.6900e-003</b>	<b>0.0185</b>	<b>0.0375</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>4.2000e-004</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>6.9366</b>	<b>6.9366</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>6.9821</b>

### 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	5.0000e-005	1.6700e-003	3.1000e-004	1.0000e-005	0.0364	0.0000	0.0364	3.6500e-003	0.0000	3.6500e-003	0.0000	0.5473	0.5473	2.0000e-005	0.0000	0.5478
Vendor	2.9000e-004	2.7400e-003	1.2500e-003	2.0000e-005	4.6700e-003	1.0000e-005	4.6800e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.9330	1.9330	2.0000e-005	0.0000	1.9333
Worker	7.4000e-004	4.4000e-004	3.9400e-003	1.0000e-005	1.4700e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.0813	1.0813	3.0000e-005	0.0000	1.0821
<b>Total</b>	<b>1.0800e-003</b>	<b>4.8500e-003</b>	<b>5.5000e-003</b>	<b>4.0000e-005</b>	<b>0.0426</b>	<b>2.0000e-005</b>	<b>0.0426</b>	<b>4.6600e-003</b>	<b>2.0000e-005</b>	<b>4.6800e-003</b>	<b>0.0000</b>	<b>3.5616</b>	<b>3.5616</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>3.5632</b>

**3.15 14 Wood Pole H-Frame Removal - 2025**  
**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5300e-003	0.0639	0.1009	1.7000e-004		2.8700e-003	2.8700e-003		2.8700e-003	2.8700e-003	0.0000	14.2393	14.2393	7.8000e-004	0.0000	14.2587
<b>Total</b>	<b>9.5300e-003</b>	<b>0.0639</b>	<b>0.1009</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.8700e-003</b>	<b>2.8700e-003</b>	<b>0.0000</b>	<b>2.8700e-003</b>	<b>2.8700e-003</b>	<b>0.0000</b>	<b>14.2393</b>	<b>14.2393</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>14.2587</b>

**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	2.5900e-003	0.0819	0.0180	3.7000e-004	1.6873	1.7000e-004	1.6875	0.1697	1.6000e-004	0.1699	0.0000	35.1741	35.1741	8.3000e-004	0.0000	35.1949



Vendor	3.1900e-003	0.0298	0.0137	2.2000e-004	0.1173	9.0000e-005	0.1174	0.0134	9.0000e-005	0.0135	0.0000	21.0209	21.0209	1.6000e-004	0.0000	21.0250
Worker	8.1000e-003	4.8300e-003	0.0428	1.3000e-004	0.0160	1.0000e-004	0.0161	4.2500e-003	9.0000e-005	4.3400e-003	0.0000	11.7595	11.7595	3.3000e-004	0.0000	11.7678
<b>Total</b>	<b>0.0139</b>	<b>0.1165</b>	<b>0.0745</b>	<b>7.2000e-004</b>	<b>1.8207</b>	<b>3.6000e-004</b>	<b>1.8210</b>	<b>0.1873</b>	<b>3.4000e-004</b>	<b>0.1876</b>	<b>0.0000</b>	<b>67.9545</b>	<b>67.9545</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>67.9876</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3100e-003	0.0757	0.1022	1.7000e-004		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004	0.0000	14.2393	14.2393	7.8000e-004	0.0000	14.2587
<b>Total</b>	<b>3.3100e-003</b>	<b>0.0757</b>	<b>0.1022</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>14.2393</b>	<b>14.2393</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>14.2587</b>

**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	2.5900e-003	0.0819	0.0180	3.7000e-004	0.6625	1.7000e-004	0.6627	0.0674	1.6000e-004	0.0676	0.0000	35.1741	35.1741	8.3000e-004	0.0000	35.1949
Vendor	3.1900e-003	0.0298	0.0137	2.2000e-004	0.0508	9.0000e-005	0.0509	6.7200e-003	9.0000e-005	6.8100e-003	0.0000	21.0209	21.0209	1.6000e-004	0.0000	21.0250
Worker	8.1000e-003	4.8300e-003	0.0428	1.3000e-004	0.0160	1.0000e-004	0.0161	4.2500e-003	9.0000e-005	4.3400e-003	0.0000	11.7595	11.7595	3.3000e-004	0.0000	11.7678
<b>Total</b>	<b>0.0139</b>	<b>0.1165</b>	<b>0.0745</b>	<b>7.2000e-004</b>	<b>0.7293</b>	<b>3.6000e-004</b>	<b>0.7297</b>	<b>0.0784</b>	<b>3.4000e-004</b>	<b>0.0787</b>	<b>0.0000</b>	<b>67.9545</b>	<b>67.9545</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>67.9876</b>

**3.16 15 Wood Pole Pole Haul - 2025**

**Unmitigated Construction On-Site**



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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.0000e-004	9.5200e-003	2.1200e-003	4.0000e-005	0.4310	2.0000e-005	0.4310	0.0434	2.0000e-005	0.0435	0.0000	4.1480	4.1480	1.0000e-004	0.0000	4.1504
Vendor	3.0000e-004	2.8200e-003	1.2900e-003	2.0000e-005	4.8100e-003	1.0000e-005	4.8200e-003	6.4000e-004	1.0000e-005	6.5000e-004	0.0000	1.9934	1.9934	2.0000e-005	0.0000	1.9938
Worker	1.5400e-003	9.2000e-004	8.1200e-003	2.0000e-005	3.0300e-003	2.0000e-005	3.0500e-003	8.1000e-004	2.0000e-005	8.2000e-004	0.0000	2.2303	2.2303	6.0000e-005	0.0000	2.2318
<b>Total</b>	<b>2.1400e-003</b>	<b>0.0133</b>	<b>0.0115</b>	<b>8.0000e-005</b>	<b>0.4388</b>	<b>5.0000e-005</b>	<b>0.4389</b>	<b>0.0449</b>	<b>5.0000e-005</b>	<b>0.0449</b>	<b>0.0000</b>	<b>8.3716</b>	<b>8.3716</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>8.3759</b>

**3.16 15 Wood Pole Pole Haul - 2026**

**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	9.8000e-004	0.0302	6.9200e-003	1.4000e-004	1.1013	6.0000e-005	1.1014	0.1105	6.0000e-005	0.1105	0.0000	13.5008	13.5008	3.0000e-004	0.0000	13.5083
Vendor	9.4000e-004	9.0200e-003	3.8300e-003	7.0000e-005	0.0364	3.0000e-005	0.0364	4.1500e-003	3.0000e-005	4.1700e-003	0.0000	6.5018	6.5018	5.0000e-005	0.0000	6.5029
Worker	4.7300e-003	2.7300e-003	0.0246	8.0000e-005	9.9300e-003	6.0000e-005	9.9900e-003	2.6400e-003	5.0000e-005	2.6900e-003	0.0000	7.0354	7.0354	1.8000e-004	0.0000	7.0400
<b>Total</b>	<b>6.6500e-003</b>	<b>0.0420</b>	<b>0.0353</b>	<b>2.9000e-004</b>	<b>1.1477</b>	<b>1.5000e-004</b>	<b>1.1478</b>	<b>0.1173</b>	<b>1.4000e-004</b>	<b>0.1174</b>	<b>0.0000</b>	<b>27.0379</b>	<b>27.0379</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>27.0511</b>

**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	9.8000e-004	0.0302	6.9200e-003	1.4000e-004	0.4316	6.0000e-005	0.4316	0.0436	6.0000e-005	0.0437	0.0000	13.5008	13.5008	3.0000e-004	0.0000	13.5083

Vendor	9.4000e-004	9.0200e-003	3.8300e-003	7.0000e-005	0.0158	3.0000e-005	0.0158	2.0900e-003	3.0000e-005	2.1100e-003	0.0000	6.5018	6.5018	5.0000e-005	0.0000	6.5029
Worker	4.7300e-003	2.7300e-003	0.0246	8.0000e-005	9.9300e-003	6.0000e-005	9.9900e-003	2.6400e-003	5.0000e-005	2.6900e-003	0.0000	7.0354	7.0354	1.8000e-004	0.0000	7.0400
<b>Total</b>	<b>6.6500e-003</b>	<b>0.0420</b>	<b>0.0353</b>	<b>2.9000e-004</b>	<b>0.4572</b>	<b>1.5000e-004</b>	<b>0.4574</b>	<b>0.0484</b>	<b>1.4000e-004</b>	<b>0.0485</b>	<b>0.0000</b>	<b>27.0379</b>	<b>27.0379</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>27.0511</b>

### 3.17 16 Wood Pole Assembly - 2025

#### 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-004	1.3200e-003	2.0900e-003	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.2946	0.2946	2.0000e-005	0.0000	0.2950
<b>Total</b>	<b>2.0000e-004</b>	<b>1.3200e-003</b>	<b>2.0900e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.2946</b>	<b>0.2946</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.2950</b>

#### 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	2.0000e-005	5.4000e-004	1.2000e-004	0.0000	1.0621	0.0000	1.0621	0.1062	0.0000	0.1062	0.0000	0.2250	0.2250	1.0000e-005	0.0000	0.2251
Vendor	1.1000e-004	1.0300e-003	4.7000e-004	1.0000e-005	4.0500e-003	0.0000	4.0500e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.7249	0.7249	1.0000e-005	0.0000	0.7250
Worker	1.4000e-004	8.0000e-005	7.4000e-004	0.0000	2.8000e-004	0.0000	2.8000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2028	0.2028	1.0000e-005	0.0000	0.2029
<b>Total</b>	<b>2.7000e-004</b>	<b>1.6500e-003</b>	<b>1.3300e-003</b>	<b>1.0000e-005</b>	<b>1.0664</b>	<b>0.0000</b>	<b>1.0664</b>	<b>0.1067</b>	<b>0.0000</b>	<b>0.1067</b>	<b>0.0000</b>	<b>1.1526</b>	<b>1.1526</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1530</b>

#### Mitigated Construction On-Site



Off-Road	9.0700e-003	0.0608	0.0960	1.6000e-004		2.7300e-003	2.7300e-003		2.7300e-003	2.7300e-003	0.0000	13.5519	13.5519	7.4000e-004	0.0000	13.5704
<b>Total</b>	<b>9.0700e-003</b>	<b>0.0608</b>	<b>0.0960</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.7300e-003</b>	<b>2.7300e-003</b>	<b>0.0000</b>	<b>2.7300e-003</b>	<b>2.7300e-003</b>	<b>0.0000</b>	<b>13.5519</b>	<b>13.5519</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>13.5704</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.6000e-004	0.0242	5.3500e-003	1.1000e-004	1.0627	5.0000e-005	1.0627	0.1064	5.0000e-005	0.1064	0.0000	10.2905	10.2905	2.5000e-004	0.0000	10.2968
Vendor	4.8000e-003	0.0461	0.0196	3.5000e-004	0.1861	1.4000e-004	0.1862	0.0212	1.4000e-004	0.0213	0.0000	33.2312	33.2312	2.3000e-004	0.0000	33.2369
Worker	6.0500e-003	3.4800e-003	0.0314	1.0000e-004	0.0127	8.0000e-005	0.0128	3.3700e-003	7.0000e-005	3.4400e-003	0.0000	8.9896	8.9896	2.4000e-004	0.0000	8.9955
<b>Total</b>	<b>0.0116</b>	<b>0.0737</b>	<b>0.0563</b>	<b>5.6000e-004</b>	<b>1.2615</b>	<b>2.7000e-004</b>	<b>1.2617</b>	<b>0.1310</b>	<b>2.6000e-004</b>	<b>0.1312</b>	<b>0.0000</b>	<b>52.5113</b>	<b>52.5113</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>52.5292</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.1500e-003	0.0720	0.0973	1.6000e-004		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	13.5519	13.5519	7.4000e-004	0.0000	13.5704
<b>Total</b>	<b>3.1500e-003</b>	<b>0.0720</b>	<b>0.0973</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.1000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>13.5519</b>	<b>13.5519</b>	<b>7.4000e-004</b>	<b>0.0000</b>	<b>13.5704</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.6000e-004	0.0242	5.3500e-003	1.1000e-004	0.4156	5.0000e-005	0.4156	0.0418	5.0000e-005	0.0419	0.0000	10.2905	10.2905	2.5000e-004	0.0000	10.2968
Vendor	4.8000e-003	0.0461	0.0196	3.5000e-004	0.0805	1.4000e-004	0.0807	0.0107	1.4000e-004	0.0108	0.0000	33.2312	33.2312	2.3000e-004	0.0000	33.2369
Worker	6.0500e-003	3.4800e-003	0.0314	1.0000e-004	0.0127	8.0000e-005	0.0128	3.3700e-003	7.0000e-005	3.4400e-003	0.0000	8.9896	8.9896	2.4000e-004	0.0000	8.9955
<b>Total</b>	<b>0.0116</b>	<b>0.0737</b>	<b>0.0563</b>	<b>5.6000e-004</b>	<b>0.5088</b>	<b>2.7000e-004</b>	<b>0.5091</b>	<b>0.0558</b>	<b>2.6000e-004</b>	<b>0.0561</b>	<b>0.0000</b>	<b>52.5113</b>	<b>52.5113</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>52.5292</b>

**3.18 17 Wood Pole Install - 2026**  
**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.0849	0.2216	3.5000e-004		4.2000e-003	4.2000e-003		3.8700e-003	3.8700e-003	0.0000	30.6061	30.6061	9.9000e-003	0.0000	30.8536
<b>Total</b>	<b>0.0116</b>	<b>0.0849</b>	<b>0.2216</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>4.2000e-003</b>	<b>4.2000e-003</b>	<b>0.0000</b>	<b>3.8700e-003</b>	<b>3.8700e-003</b>	<b>0.0000</b>	<b>30.6061</b>	<b>30.6061</b>	<b>9.9000e-003</b>	<b>0.0000</b>	<b>30.8536</b>

**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	2.8000e-003	0.0883	0.0198	4.0000e-004	1.6974	1.8000e-004	1.6975	0.1708	1.7000e-004	0.1710	0.0000	38.2422	38.2422	9.0000e-004	0.0000	38.2648



Vendor	1.2300e-003	0.0118	5.0000e-003	9.0000e-005	0.0475	4.0000e-005	0.0476	5.4100e-003	3.0000e-005	5.4500e-003	0.0000	8.4884	8.4884	6.0000e-005	0.0000	8.4899
Worker	6.1800e-003	3.5600e-003	0.0321	1.0000e-004	0.0130	8.0000e-005	0.0130	3.4500e-003	7.0000e-005	3.5200e-003	0.0000	9.1851	9.1851	2.4000e-004	0.0000	9.1911
<b>Total</b>	<b>0.0102</b>	<b>0.1037</b>	<b>0.0569</b>	<b>5.9000e-004</b>	<b>1.7579</b>	<b>3.0000e-004</b>	<b>1.7582</b>	<b>0.1797</b>	<b>2.7000e-004</b>	<b>0.1799</b>	<b>0.0000</b>	<b>55.9157</b>	<b>55.9157</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>55.9457</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.2400e-003	-0.0091	0.2846	3.5000e-004		-0.0010	-0.0010		-0.0008	-0.0008	0.0000	30.6061	30.6061	9.9000e-003	0.0000	30.8535
<b>Total</b>	<b>1.2400e-003</b>	<b>-0.0091</b>	<b>0.2846</b>	<b>3.5000e-004</b>	<b>0.0000</b>	<b>-0.0010</b>	<b>-0.0010</b>	<b>0.0000</b>	<b>-0.0008</b>	<b>-0.0008</b>	<b>0.0000</b>	<b>30.6061</b>	<b>30.6061</b>	<b>9.9000e-003</b>	<b>0.0000</b>	<b>30.8535</b>

**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	2.8000e-003	0.0883	0.0198	4.0000e-004	0.6668	1.8000e-004	0.6670	0.0680	1.7000e-004	0.0681	0.0000	38.2422	38.2422	9.0000e-004	0.0000	38.2648
Vendor	1.2300e-003	0.0118	5.0000e-003	9.0000e-005	0.0206	4.0000e-005	0.0206	2.7200e-003	3.0000e-005	2.7600e-003	0.0000	8.4884	8.4884	6.0000e-005	0.0000	8.4899
Worker	6.1800e-003	3.5600e-003	0.0321	1.0000e-004	0.0130	8.0000e-005	0.0130	3.4500e-003	7.0000e-005	3.5200e-003	0.0000	9.1851	9.1851	2.4000e-004	0.0000	9.1911
<b>Total</b>	<b>0.0102</b>	<b>0.1037</b>	<b>0.0569</b>	<b>5.9000e-004</b>	<b>0.7004</b>	<b>3.0000e-004</b>	<b>0.7007</b>	<b>0.0741</b>	<b>2.7000e-004</b>	<b>0.0744</b>	<b>0.0000</b>	<b>55.9157</b>	<b>55.9157</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>55.9457</b>

**3.19 18 Guard Structures Install/Remove - 2026**

**Unmitigated Construction On-Site**



Off-Road	2.3600e-003	0.0438	0.1392	2.0000e-004		-0.0001	-0.0001		-0.0001	-0.0001	0.0000	16.9557	16.9557	3.1400e-003	0.0000	17.0343
<b>Total</b>	<b>2.3600e-003</b>	<b>0.0438</b>	<b>0.1392</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>-0.0001</b>	<b>-0.0001</b>	<b>0.0000</b>	<b>-0.0001</b>	<b>-0.0001</b>	<b>0.0000</b>	<b>16.9557</b>	<b>16.9557</b>	<b>3.1400e-003</b>	<b>0.0000</b>	<b>17.0343</b>

**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	4.9000e-004	0.0148	3.4500e-003	7.0000e-005	0.1408	3.0000e-005	0.1409	0.0143	3.0000e-005	0.0143	0.0000	6.7780	6.7780	1.4000e-004	0.0000	6.7816
Vendor	1.3200e-003	0.0127	5.3900e-003	1.0000e-004	0.0222	4.0000e-005	0.0222	2.9400e-003	4.0000e-005	2.9700e-003	0.0000	9.1506	9.1506	6.0000e-005	0.0000	9.1522
Worker	2.0000e-003	1.1500e-003	0.0104	3.0000e-005	4.1900e-003	3.0000e-005	4.2200e-003	1.1100e-003	2.0000e-005	1.1400e-003	0.0000	2.9705	2.9705	8.0000e-005	0.0000	2.9724
<b>Total</b>	<b>3.8100e-003</b>	<b>0.0286</b>	<b>0.0192</b>	<b>2.0000e-004</b>	<b>0.1672</b>	<b>1.0000e-004</b>	<b>0.1673</b>	<b>0.0184</b>	<b>9.0000e-005</b>	<b>0.0185</b>	<b>0.0000</b>	<b>18.8991</b>	<b>18.8991</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>18.9062</b>

**3.20 19A Remove and Install Conductor OPGW - 2026**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0100	0.0897	0.0962	2.9000e-004		3.5500e-003	3.5500e-003		3.2600e-003	3.2600e-003	0.0000	25.7950	25.7950	8.3400e-003	0.0000	26.0036
<b>Total</b>	<b>0.0100</b>	<b>0.0897</b>	<b>0.0962</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>3.5500e-003</b>	<b>3.5500e-003</b>	<b>0.0000</b>	<b>3.2600e-003</b>	<b>3.2600e-003</b>	<b>0.0000</b>	<b>25.7950</b>	<b>25.7950</b>	<b>8.3400e-003</b>	<b>0.0000</b>	<b>26.0036</b>

**Unmitigated Construction Off-Site**



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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**3.21 19B Remove and Install Conductor and OPGW/OHGW -  
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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1310	1.2075	1.0564	3.8300e-003		0.0462	0.0462		0.0425	0.0425	0.0000	336.0744	336.0744	0.1087	0.0000	338.7917
<b>Total</b>	<b>0.1310</b>	<b>1.2075</b>	<b>1.0564</b>	<b>3.8300e-003</b>	<b>0.0000</b>	<b>0.0462</b>	<b>0.0462</b>	<b>0.0000</b>	<b>0.0425</b>	<b>0.0425</b>	<b>0.0000</b>	<b>336.0744</b>	<b>336.0744</b>	<b>0.1087</b>	<b>0.0000</b>	<b>338.7917</b>

**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	5.7000e-003	0.1783	0.0404	8.2000e-004	2.1690	3.7000e-004	2.1693	0.2195	3.5000e-004	0.2198	0.0000	78.4047	78.4047	1.7900e-003	0.0000	78.4494
Vendor	4.3800e-003	0.0421	0.0179	3.2000e-004	0.1699	1.3000e-004	0.1700	0.0194	1.2000e-004	0.0195	0.0000	30.3415	30.3415	2.1000e-004	0.0000	30.3468
Worker	7.3600e-003	4.2400e-003	0.0382	1.2000e-004	0.0155	9.0000e-005	0.0155	4.1100e-003	8.0000e-005	4.1900e-003	0.0000	10.9439	10.9439	2.9000e-004	0.0000	10.9511
<b>Total</b>	<b>0.0174</b>	<b>0.2246</b>	<b>0.0965</b>	<b>1.2600e-003</b>	<b>2.3543</b>	<b>5.9000e-004</b>	<b>2.3549</b>	<b>0.2429</b>	<b>5.5000e-004</b>	<b>0.2435</b>	<b>0.0000</b>	<b>119.6901</b>	<b>119.6901</b>	<b>2.2900e-003</b>	<b>0.0000</b>	<b>119.7473</b>

**Mitigated Construction On-Site**



Off-Road	1.1200e-003	7.8600e-003	0.0169	3.0000e-005		3.7000e-004	3.7000e-004		3.6000e-004	3.6000e-004	0.0000	2.3485	2.3485	5.5000e-004	0.0000	2.3622
<b>Total</b>	<b>1.1200e-003</b>	<b>7.8600e-003</b>	<b>0.0169</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.7000e-004</b>	<b>3.7000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>2.3485</b>	<b>2.3485</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>2.3622</b>

**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	2.6000e-004	8.4000e-003	1.8600e-003	4.0000e-005	0.1211	2.0000e-005	0.1212	0.0122	2.0000e-005	0.0122	0.0000	3.5793	3.5793	9.0000e-005	0.0000	3.5815
Vendor	1.5600e-003	0.0150	6.3900e-003	1.2000e-004	0.0607	5.0000e-005	0.0607	6.9100e-003	4.0000e-005	6.9600e-003	0.0000	10.8363	10.8363	8.0000e-005	0.0000	10.8381
Worker	5.3000e-004	3.0000e-004	2.7300e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.7817	0.7817	2.0000e-005	0.0000	0.7822
<b>Total</b>	<b>2.3500e-003</b>	<b>0.0237</b>	<b>0.0110</b>	<b>1.7000e-004</b>	<b>0.1829</b>	<b>8.0000e-005</b>	<b>0.1830</b>	<b>0.0194</b>	<b>7.0000e-005</b>	<b>0.0195</b>	<b>0.0000</b>	<b>15.1973</b>	<b>15.1973</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>15.2018</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5000e-004	3.7100e-003	0.0202	3.0000e-005		0.0000	0.0000		0.0000	0.0000	0.0000	2.3485	2.3485	5.5000e-004	0.0000	2.3622
<b>Total</b>	<b>2.5000e-004</b>	<b>3.7100e-003</b>	<b>0.0202</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.3485</b>	<b>2.3485</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>2.3622</b>

**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	2.6000e-004	8.4000e-003	1.8600e-003	4.0000e-005	0.0477	2.0000e-005	0.0477	4.8900e-003	2.0000e-005	4.9100e-003	0.0000	3.5793	3.5793	9.0000e-005	0.0000	3.5815
Vendor	1.5600e-003	0.0150	6.3900e-003	1.2000e-004	0.0263	5.0000e-005	0.0263	3.4800e-003	4.0000e-005	3.5200e-003	0.0000	10.8363	10.8363	8.0000e-005	0.0000	10.8381
Worker	5.3000e-004	3.0000e-004	2.7300e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.7817	0.7817	2.0000e-005	0.0000	0.7822
<b>Total</b>	<b>2.3500e-003</b>	<b>0.0237</b>	<b>0.0110</b>	<b>1.7000e-004</b>	<b>0.0751</b>	<b>8.0000e-005</b>	<b>0.0751</b>	<b>8.6600e-003</b>	<b>7.0000e-005</b>	<b>8.7300e-003</b>	<b>0.0000</b>	<b>15.1973</b>	<b>15.1973</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>15.2018</b>

**3.23 21a Fish Lake Civil - 2026**  
**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.4000e-004	8.2600e-003	7.0300e-003	2.0000e-005		3.4000e-004	3.4000e-004		3.1000e-004	3.1000e-004	0.0000	1.6425	1.6425	5.3000e-004	0.0000	1.6557
<b>Total</b>	<b>8.4000e-004</b>	<b>8.2600e-003</b>	<b>7.0300e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>3.1000e-004</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>1.6425</b>	<b>1.6425</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6557</b>

**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	5.0000e-005	1.5600e-003	3.2000e-004	1.0000e-005	0.0189	0.0000	0.0189	1.9100e-003	0.0000	1.9100e-003	0.0000	0.5995	0.5995	2.0000e-005	0.0000	0.6000



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
<b>Total</b>	<b>5.0000e-005</b>	<b>1.5600e-003</b>	<b>3.2000e-004</b>	<b>1.0000e-005</b>	<b>0.0189</b>	<b>0.0000</b>	<b>0.0189</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>1.9100e-003</b>	<b>0.0000</b>	<b>0.5995</b>	<b>0.5995</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6000</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-004	3.1000e-003	8.0300e-003	2.0000e-005		1.2000e-004	1.2000e-004		1.1000e-004	1.1000e-004	0.0000	1.6424	1.6424	5.3000e-004	0.0000	1.6557
<b>Total</b>	<b>4.1000e-004</b>	<b>3.1000e-003</b>	<b>8.0300e-003</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>1.2000e-004</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.6424</b>	<b>1.6424</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>1.6557</b>

**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	5.0000e-005	1.5600e-003	3.2000e-004	1.0000e-005	7.4500e-003	0.0000	7.4600e-003	7.6000e-004	0.0000	7.7000e-004	0.0000	0.5995	0.5995	2.0000e-005	0.0000	0.6000
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
<b>Total</b>	<b>5.0000e-005</b>	<b>1.5600e-003</b>	<b>3.2000e-004</b>	<b>1.0000e-005</b>	<b>7.4500e-003</b>	<b>0.0000</b>	<b>7.4600e-003</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>7.7000e-004</b>	<b>0.0000</b>	<b>0.5995</b>	<b>0.5995</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6000</b>

**3.24 21b Fish Lake Civil - 2026**

**Unmitigated Construction On-Site**



Off-Road	1.1400e-003	1.2300e-003	0.0702	1.3000e-004		0.0000	0.0000		0.0000	0.0000	0.0000	11.4455	11.4455	3.7000e-003	0.0000	11.5380
<b>Total</b>	<b>1.1400e-003</b>	<b>1.2300e-003</b>	<b>0.0702</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>11.4455</b>	<b>11.4455</b>	<b>3.7000e-003</b>	<b>0.0000</b>	<b>11.5380</b>

**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	5.0000e-005	1.7500e-003	3.9000e-004	1.0000e-005	7.9800e-003	0.0000	7.9900e-003	8.3000e-004	0.0000	8.3000e-004	0.0000	0.7457	0.7457	2.0000e-005	0.0000	0.7461
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
<b>Total</b>	<b>5.0000e-005</b>	<b>1.7500e-003</b>	<b>3.9000e-004</b>	<b>1.0000e-005</b>	<b>7.9800e-003</b>	<b>0.0000</b>	<b>7.9900e-003</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>0.7457</b>	<b>0.7457</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.7461</b>

**3.25 21c Fish Lake Civil - 2026**

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6400e-003	0.0193	0.0503	8.0000e-005		9.5000e-004	9.5000e-004		8.8000e-004	8.8000e-004	0.0000	6.9461	6.9461	2.2500e-003	0.0000	7.0022
<b>Total</b>	<b>2.6400e-003</b>	<b>0.0193</b>	<b>0.0503</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>9.5000e-004</b>	<b>9.5000e-004</b>	<b>0.0000</b>	<b>8.8000e-004</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>6.9461</b>	<b>6.9461</b>	<b>2.2500e-003</b>	<b>0.0000</b>	<b>7.0022</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-005	2.7300e-003	5.1000e-004	1.0000e-005	0.2258	0.0000	0.2258	0.0225	0.0000	0.0226	0.0000	0.9067	0.9067	3.0000e-005	0.0000	0.9076
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
<b>Total</b>	<b>7.0000e-005</b>	<b>2.7300e-003</b>	<b>5.1000e-004</b>	<b>1.0000e-005</b>	<b>0.2258</b>	<b>0.0000</b>	<b>0.2258</b>	<b>0.0225</b>	<b>0.0000</b>	<b>0.0226</b>	<b>0.0000</b>	<b>0.9067</b>	<b>0.9067</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.9076</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e-004	-0.0021	0.0646	8.0000e-005		-0.0002	-0.0002		-0.0002	-0.0002	0.0000	6.9461	6.9461	2.2500e-003	0.0000	7.0022
<b>Total</b>	<b>2.8000e-004</b>	<b>-0.0021</b>	<b>0.0646</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>-0.0002</b>	<b>-0.0002</b>	<b>0.0000</b>	<b>-0.0002</b>	<b>-0.0002</b>	<b>0.0000</b>	<b>6.9461</b>	<b>6.9461</b>	<b>2.2500e-003</b>	<b>0.0000</b>	<b>7.0022</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-005	2.7300e-003	5.1000e-004	1.0000e-005	0.0881	0.0000	0.0881	8.8000e-003	0.0000	8.8100e-003	0.0000	0.9067	0.9067	3.0000e-005	0.0000	0.9076

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
<b>Total</b>	<b>7.0000e-005</b>	<b>2.7300e-003</b>	<b>5.1000e-004</b>	<b>1.0000e-005</b>	<b>0.0881</b>	<b>0.0000</b>	<b>0.0881</b>	<b>8.8000e-003</b>	<b>0.0000</b>	<b>8.8100e-003</b>	<b>0.0000</b>	<b>0.9067</b>	<b>0.9067</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.9076</b>

**3.26 21d Fish Lake Civil - 2026**  
**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.3900e-003	0.0134	5.6800e-003	1.0000e-004	0.0539	4.0000e-005	0.0540	6.1400e-003	4.0000e-005	6.1800e-003	0.0000	9.6322	9.6322	7.0000e-005	0.0000	9.6339
Worker	1.7500e-003	1.0100e-003	9.1000e-003	3.0000e-005	3.6800e-003	2.0000e-005	3.7000e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.6057	2.6057	7.0000e-005	0.0000	2.6074
<b>Total</b>	<b>3.1400e-003</b>	<b>0.0144</b>	<b>0.0148</b>	<b>1.3000e-004</b>	<b>0.0576</b>	<b>6.0000e-005</b>	<b>0.0577</b>	<b>7.1200e-003</b>	<b>6.0000e-005</b>	<b>7.1800e-003</b>	<b>0.0000</b>	<b>12.2379</b>	<b>12.2379</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>12.2413</b>

**Mitigated Construction On-Site**



Off-Road	2.9300e-003	0.0289	0.0246	7.0000e-005		1.1800e-003	1.1800e-003		1.0900e-003	1.0900e-003	0.0000	5.7486	5.7486	1.8600e-003	0.0000	5.7950
<b>Total</b>	<b>2.9300e-003</b>	<b>0.0289</b>	<b>0.0246</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.1800e-003</b>	<b>1.1800e-003</b>	<b>0.0000</b>	<b>1.0900e-003</b>	<b>1.0900e-003</b>	<b>0.0000</b>	<b>5.7486</b>	<b>5.7486</b>	<b>1.8600e-003</b>	<b>0.0000</b>	<b>5.7950</b>

**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	4.0000e-005	1.0700e-003	2.6000e-004	1.0000e-005	2.0100e-003	0.0000	2.0100e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.5190	0.5190	1.0000e-005	0.0000	0.5192
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
<b>Total</b>	<b>4.0000e-005</b>	<b>1.0700e-003</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.0100e-003</b>	<b>0.0000</b>	<b>2.0100e-003</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.5190</b>	<b>0.5190</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5192</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4200e-003	0.0109	0.0281	7.0000e-005		4.2000e-004	4.2000e-004		3.9000e-004	3.9000e-004	0.0000	5.7486	5.7486	1.8600e-003	0.0000	5.7950
<b>Total</b>	<b>1.4200e-003</b>	<b>0.0109</b>	<b>0.0281</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>4.2000e-004</b>	<b>4.2000e-004</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>5.7486</b>	<b>5.7486</b>	<b>1.8600e-003</b>	<b>0.0000</b>	<b>5.7950</b>

**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	4.0000e-005	1.0700e-003	2.6000e-004	1.0000e-005	8.6000e-004	0.0000	8.6000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.5190	0.5190	1.0000e-005	0.0000	0.5192
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
<b>Total</b>	<b>4.0000e-005</b>	<b>1.0700e-003</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>8.6000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.5190</b>	<b>0.5190</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5192</b>

**3.28 22b Fish Lake Electrical - 2026**  
**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.6500e-003	0.0205	0.0151	6.0000e-005		7.6000e-004	7.6000e-004		7.0000e-004	7.0000e-004	0.0000	5.3045	5.3045	1.7200e-003	0.0000	5.3474
<b>Total</b>	<b>2.6500e-003</b>	<b>0.0205</b>	<b>0.0151</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>7.6000e-004</b>	<b>7.6000e-004</b>	<b>0.0000</b>	<b>7.0000e-004</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>5.3045</b>	<b>5.3045</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>5.3474</b>

**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	2.2000e-004	6.4100e-003	1.5600e-003	3.0000e-005	0.1136	1.0000e-005	0.1136	0.0115	1.0000e-005	0.0115	0.0000	3.1140	3.1140	6.0000e-005	0.0000	3.1155



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
<b>Total</b>	<b>2.2000e-004</b>	<b>6.4100e-003</b>	<b>1.5600e-003</b>	<b>3.0000e-005</b>	<b>0.1136</b>	<b>1.0000e-005</b>	<b>0.1136</b>	<b>0.0115</b>	<b>1.0000e-005</b>	<b>0.0115</b>	<b>0.0000</b>	<b>3.1140</b>	<b>3.1140</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>3.1155</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4000e-004	3.2100e-003	0.0272	6.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	5.3045	5.3045	1.7200e-003	0.0000	5.3474
<b>Total</b>	<b>7.4000e-004</b>	<b>3.2100e-003</b>	<b>0.0272</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>5.3045</b>	<b>5.3045</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>5.3474</b>

**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	2.2000e-004	6.4100e-003	1.5600e-003	3.0000e-005	0.0447	1.0000e-005	0.0447	4.5900e-003	1.0000e-005	4.6000e-003	0.0000	3.1140	3.1140	6.0000e-005	0.0000	3.1155
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
<b>Total</b>	<b>2.2000e-004</b>	<b>6.4100e-003</b>	<b>1.5600e-003</b>	<b>3.0000e-005</b>	<b>0.0447</b>	<b>1.0000e-005</b>	<b>0.0447</b>	<b>4.5900e-003</b>	<b>1.0000e-005</b>	<b>4.6000e-003</b>	<b>0.0000</b>	<b>3.1140</b>	<b>3.1140</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>3.1155</b>

**3.29 22c Fish Lake Electrical - 2026**

**Unmitigated Construction On-Site**



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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.7400e-003	0.0167	7.1000e-003	1.3000e-004	0.0292	5.0000e-005	0.0292	3.8600e-003	5.0000e-005	3.9100e-003	0.0000	12.0403	12.0403	8.0000e-005	0.0000	12.0424
Worker	1.7500e-003	1.0100e-003	9.1000e-003	3.0000e-005	3.6800e-003	2.0000e-005	3.7000e-003	9.8000e-004	2.0000e-005	1.0000e-003	0.0000	2.6057	2.6057	7.0000e-005	0.0000	2.6074
<b>Total</b>	<b>3.4900e-003</b>	<b>0.0177</b>	<b>0.0162</b>	<b>1.6000e-004</b>	<b>0.0329</b>	<b>7.0000e-005</b>	<b>0.0329</b>	<b>4.8400e-003</b>	<b>7.0000e-005</b>	<b>4.9100e-003</b>	<b>0.0000</b>	<b>14.6460</b>	<b>14.6460</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>14.6498</b>

**3.30 23 Fish Lake Wiring - 2026**

**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.1000e-004	3.2100e-003	7.8000e-004	2.0000e-005	0.0568	1.0000e-005	0.0568	5.7300e-003	1.0000e-005	5.7400e-003	0.0000	1.5570	1.5570	3.0000e-005	0.0000	1.5577
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	1.3100e-003	7.6000e-004	6.8200e-003	2.0000e-005	2.7600e-003	2.0000e-005	2.7800e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	1.9543	1.9543	5.0000e-005	0.0000	1.9555
<b>Total</b>	<b>1.4200e-003</b>	<b>3.9700e-003</b>	<b>7.6000e-003</b>	<b>4.0000e-005</b>	<b>0.0595</b>	<b>3.0000e-005</b>	<b>0.0596</b>	<b>6.4600e-003</b>	<b>3.0000e-005</b>	<b>6.4900e-003</b>	<b>0.0000</b>	<b>3.5113</b>	<b>3.5113</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.5133</b>

**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	1.1000e-004	3.2100e-003	7.8000e-004	2.0000e-005	0.0224	1.0000e-005	0.0224	2.2900e-003	1.0000e-005	2.3000e-003	0.0000	1.5570	1.5570	3.0000e-005	0.0000	1.5577

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	1.3100e-003	7.6000e-004	6.8200e-003	2.0000e-005	2.7600e-003	2.0000e-005	2.7800e-003	7.3000e-004	2.0000e-005	7.5000e-004	0.0000	1.9543	1.9543	5.0000e-005	0.0000	1.9555
<b>Total</b>	<b>1.4200e-003</b>	<b>3.9700e-003</b>	<b>7.6000e-003</b>	<b>4.0000e-005</b>	<b>0.0251</b>	<b>3.0000e-005</b>	<b>0.0252</b>	<b>3.0200e-003</b>	<b>3.0000e-005</b>	<b>3.0500e-003</b>	<b>0.0000</b>	<b>3.5113</b>	<b>3.5113</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.5133</b>

### 3.31 24 Fish Lake Testing - 2026

#### 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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

#### 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	3.5000e-004	3.3400e-003	1.4200e-003	3.0000e-005	0.0135	1.0000e-005	0.0135	1.5400e-003	1.0000e-005	1.5500e-003	0.0000	2.4081	2.4081	2.0000e-005	0.0000	2.4085
Worker	8.8000e-004	5.1000e-004	4.5500e-003	1.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3028	1.3028	3.0000e-005	0.0000	1.3037
<b>Total</b>	<b>1.2300e-003</b>	<b>3.8500e-003</b>	<b>5.9700e-003</b>	<b>4.0000e-005</b>	<b>0.0153</b>	<b>2.0000e-005</b>	<b>0.0153</b>	<b>2.0300e-003</b>	<b>2.0000e-005</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>3.7109</b>	<b>3.7109</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>3.7122</b>

#### Mitigated Construction On-Site



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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.5000e-004	3.3400e-003	1.4200e-003	3.0000e-005	0.0135	1.0000e-005	0.0135	1.5400e-003	1.0000e-005	1.5500e-003	0.0000	2.4081	2.4081	2.0000e-005	0.0000	2.4085
Worker	8.8000e-004	5.1000e-004	4.5500e-003	1.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3028	1.3028	3.0000e-005	0.0000	1.3037
<b>Total</b>	<b>1.2300e-003</b>	<b>3.8500e-003</b>	<b>5.9700e-003</b>	<b>4.0000e-005</b>	<b>0.0153</b>	<b>2.0000e-005</b>	<b>0.0153</b>	<b>2.0300e-003</b>	<b>2.0000e-005</b>	<b>2.0500e-003</b>	<b>0.0000</b>	<b>3.7109</b>	<b>3.7109</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>3.7122</b>

**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					0.0000	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
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**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	3.5000e-004	3.3400e-003	1.4200e-003	3.0000e-005	5.8400e-003	1.0000e-005	5.8500e-003	7.7000e-004	1.0000e-005	7.8000e-004	0.0000	2.4081	2.4081	2.0000e-005	0.0000	2.4085
Worker	8.8000e-004	5.1000e-004	4.5500e-003	1.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3028	1.3028	3.0000e-005	0.0000	1.3037
<b>Total</b>	<b>1.2300e-003</b>	<b>3.8500e-003</b>	<b>5.9700e-003</b>	<b>4.0000e-005</b>	<b>7.6800e-003</b>	<b>2.0000e-005</b>	<b>7.7000e-003</b>	<b>1.2600e-003</b>	<b>2.0000e-005</b>	<b>1.2800e-003</b>	<b>0.0000</b>	<b>3.7109</b>	<b>3.7109</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>3.7122</b>

### 3.33 26 Restoration - 2026

#### 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0170	0.0140	4.0000e-005		6.3000e-004	6.3000e-004		5.8000e-004	5.8000e-004	0.0000	3.1503	3.1503	1.0200e-003	0.0000	3.1757
<b>Total</b>	<b>1.6200e-003</b>	<b>0.0170</b>	<b>0.0140</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>6.3000e-004</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>5.8000e-004</b>	<b>5.8000e-004</b>	<b>0.0000</b>	<b>3.1503</b>	<b>3.1503</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>3.1757</b>

#### 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	4.0000e-005	1.2000e-003	2.6000e-004	1.0000e-005	0.2472	0.0000	0.2472	0.0247	0.0000	0.0247	0.0000	0.5096	0.5096	1.0000e-005	0.0000	0.5099



Vendor	1.2000e-004	1.1700e-003	5.0000e-004	1.0000e-005	4.7200e-003	0.0000	4.7200e-003	5.4000e-004	0.0000	5.4000e-004	0.0000	0.8428	0.8428	1.0000e-005	0.0000	0.8430
Worker	4.3000e-004	2.5000e-004	2.2300e-003	1.0000e-005	9.0000e-004	1.0000e-005	9.1000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.6384	0.6384	2.0000e-005	0.0000	0.6388
<b>Total</b>	<b>5.9000e-004</b>	<b>2.6200e-003</b>	<b>2.9900e-003</b>	<b>3.0000e-005</b>	<b>0.2528</b>	<b>1.0000e-005</b>	<b>0.2528</b>	<b>0.0255</b>	<b>0.0000</b>	<b>0.0255</b>	<b>0.0000</b>	<b>1.9908</b>	<b>1.9908</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.9916</b>

**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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8000e-004	1.3600e-003	0.0204	4.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	3.1502	3.1502	1.0200e-003	0.0000	3.1757
<b>Total</b>	<b>3.8000e-004</b>	<b>1.3600e-003</b>	<b>0.0204</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.1502</b>	<b>3.1502</b>	<b>1.0200e-003</b>	<b>0.0000</b>	<b>3.1757</b>

**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	4.0000e-005	1.2000e-003	2.6000e-004	1.0000e-005	0.0967	0.0000	0.0967	9.7100e-003	0.0000	9.7100e-003	0.0000	0.5096	0.5096	1.0000e-005	0.0000	0.5099
Vendor	1.2000e-004	1.1700e-003	5.0000e-004	1.0000e-005	2.0400e-003	0.0000	2.0500e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	0.8428	0.8428	1.0000e-005	0.0000	0.8430
Worker	4.3000e-004	2.5000e-004	2.2300e-003	1.0000e-005	9.0000e-004	1.0000e-005	9.1000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.6384	0.6384	2.0000e-005	0.0000	0.6388
<b>Total</b>	<b>5.9000e-004</b>	<b>2.6200e-003</b>	<b>2.9900e-003</b>	<b>3.0000e-005</b>	<b>0.0996</b>	<b>1.0000e-005</b>	<b>0.0996</b>	<b>0.0102</b>	<b>0.0000</b>	<b>0.0102</b>	<b>0.0000</b>	<b>1.9908</b>	<b>1.9908</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.9916</b>

**3.33 26 Restoration - 2027**

**Unmitigated Construction On-Site**







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
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## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

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

### 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					
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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 5.3 Energy by Land Use - Electricity

### Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
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Land Use	kWh/yr	MT/yr			
Parking Lot	140	0.0446	0.0000	0.0000	0.0448
<b>Total</b>		<b>0.0446</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0448</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	140	0.0446	0.0000	0.0000	0.0448
<b>Total</b>		<b>0.0446</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0448</b>

**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	3.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	3.0000e-005	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005

## 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	3.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
<b>Total</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>

### 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	3.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
<b>Total</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>2.0000e-005</b>

## 7.0 Water Detail

### 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			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			



Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

## 8.0 Waste Detail

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### 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

### 8.2 Waste by Land Use

#### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**TOTAL ANNUAL EMISSIONS CONTROLLED**

<b>Annual Emissions (Ground Equipment)</b>							
	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO2</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>	<b>CO2e</b>
	<b>tons/yr</b>						
2024	0.0758	0.4581	1.1880	4.2000e-003	7.1028	0.7383	384.1104
2025	0.1125	0.8177	1.6046	5.9700e-003	8.9294	0.9340	545.9256
2026	0.1504	0.9182	3.5405	0.0109	8.2007	0.8674	990.4958
2027	8.6500e-003	0.0416	0.1543	4.8000e-004	4.9358	0.5010	43.7217

<b>Annual Emissions (Helicopter Emissions)</b>							
2024	0.5967	15.3232	0.7068	0.0743	0.5256	0.1924	2393
2025	0.3963	10.1782	0.4695	0.0494	0.3491	0.1278	1590
2026	1.8870	16.3587	2.3259	0.0877	0.7833	0.2498	2841
2027	0	0	0	0	0	0	0

<b>Total</b>							
2024	0.672	15.781	1.895	0.079	7.628	0.931	2777
2025	0.509	10.996	2.074	0.055	9.279	1.062	2135
2026	2.037	17.277	5.866	0.099	8.984	1.117	3831
2027	0.009	0.042	0.154	0.000	4.936	0.501	44
<b>Max</b>	<b>2.04</b>	<b>17.3</b>	<b>5.87</b>	<b>0.099</b>	<b>9.28</b>	<b>1.12</b>	<b>3831</b>
<b>TOTAL</b>	<b>3.2</b>	<b>44.1</b>	<b>10</b>	<b>0.23</b>	<b>31</b>	<b>3.611</b>	<b>8788</b>

**TOTAL ANNUAL EMISSIONS UNCONTROLLED**

<b>Annual Emissions (Ground Equipment)</b>							
	<b>ROG</b>	<b>NOx</b>	<b>CO</b>	<b>SO2</b>	<b>PM10 Total</b>	<b>PM2.5 Total</b>	<b>CO2e</b>
	<b>tons/yr</b>						<b>MT/yr</b>
2024	0.1301	0.9505	0.8163	4.2000e-003	18.0141	1.8509	384.1106
2025	0.1796	1.3376	1.2115	5.9700e-003	22.6052	2.3268	545.9259
2026	0.3130	2.6033	2.4325	0.0109	20.7126	2.1814	990.4964
2027	0.0164	0.1325	0.1121	4.8000e-004	12.6113	1.2749	43.7217

<b>Annual Emissions (Helicopter Emissions)</b>							
2024	0.5967	15.3232	0.7068	0.0743	0.5256	0.1924	2393
2025	0.3963	10.1782	0.4695	0.0494	0.3491	0.1278	1590
2026	1.8870	16.3587	2.3259	0.0877	0.7833	0.2498	2841
2027	0	0	0	0	0	0	0

Total							
2024	0.727	16.274	1.523	0.079	18.540	2.043	2777
2025	0.576	11.516	1.681	0.055	22.954	2.455	2135
2026	2.200	18.962	4.758	0.099	21.496	2.431	3831
2027	0.016	0.133	0.112	0.000	12.611	1.275	44
<b>Max</b>	<b>2.20</b>	<b>19.0</b>	<b>4.76</b>	<b>0.099</b>	<b>22.95</b>	<b>2.45</b>	<b>3831</b>
<b>TOTAL</b>	<b>3.5</b>	<b>46.9</b>	<b>8</b>	<b>0.23</b>	<b>76</b>	<b>8.204</b>	<b>8788</b>

## HELICOPTER EMISSION CALCULATIONS

### Light Duty Helicopter

Helicopter Model	Hughes 500
Engine Type	DDA250-C18
Fuel S Content by Weight	0.3 %
Fuel Burn Rate	32 gal/hr
Jet Fuel density	7 lbs/gal
Fuel Type	Jet Fuel A
High Heat Value	72.22 kg CO2/MME (ARB 2012)
CO2 emission factor	0.135 MMBtu/gal (ARB 2012)

	fuel (kg)	Nox (g)	HC	CO	PM	Fugitive PM
LTO	16.4	60	446	582	2	750
Run	99	480	960	1200	16	

Activity	Emission Rate						
	HC	CO	NOx	SOx	PM10	PM2.5	CO2
Flight (lbs/hr)	2.112	2.64	1.056	0.018	0.0352	0.032384	687
LTO (lbs)	0.9812	1.2804	0.132	0.010	1.6544	0.350548	52

Activity	Working Hrs	Emissions lbs/day						
		HC	CO	NOx	SOx	PM10	PM2.5	CO2
Flight	8	16.896	21.12	8.448	0.1452	0.2816	0.064768	5496.0779
LTO	2	1.9624	2.5608	0.264	0.0200444	3.3088	0.701096	103.46152
TOTAL		18.8584	23.6808	8.712	0.1652444	3.5904	0.765864	5600

Construction Phase	Working Days	Emissions tons						MT
		HC	CO	NOx	SOx	PM10	PM2.5	CO2
19 Install/Remove Conductor and Install OPGW	135	1.2729	1.5985	0.5881	0.0112	0.2424	0.0517	377.9689

#### NOTES:

California Air Resources Board (ARB). 2012. Regulation for the Mandatory Reporting of Greenhouse Gas Emissions. Petroleum Fuels. Section 95115(c)(1)

Ref: Swiss Confederation, DETEC and FOCA "Guidance on the Determination of Helicopter Emissions", 2015

Engine T700-GE-700

Fugitive dust estimates from Emission Factor Source: Dr. J. A. Gillies et. al. December 31, 2007. Particulate Matter Emissions for Dust from Unique Military Activities.

ARB's CEIDARS database PM2.5 fractions - construction dust category for fugitive and diesel vehicle exhaust category for combustion.

## HELICOPTER EMISSION CALCULATIONS

### Medium Duty Helicopter

Helicopter Model	Sikorsky S-64 Skycrane (CH-47 Chinook as surrogate)
Engine Type	55-GA-714A
Fuel S Content by Weight	0.3 %
Fuel Burn Rate	396 gal/hr
Jet Fuel density	7 lbs/gal
Fuel Type	Jet Fuel A
High Heat Value	72.22 kg CO <sub>2</sub> /MMt (ARB 2012)
CO <sub>2</sub> emission factor	0.135 MMBtu/gal (ARB 2012)

	fuel (kg)	Nox (g)	HC	CO	PM	Fugitive PM
LTO	153.8	2380.2	319.6	385.1	51.8	750
Run	1223.6	24230	830	980	471	

Activity	Emission Rate						
	HC	CO	NOx	SOx	PM	PM2.5	CO2
Flight (lbs/hr)	1.826	2.156	53.306	0.224	1.0362	0.953304	8491
LTO (lbs)	0.70312	0.84722	5.23644	0.094	1.76396	0.4513432	485

Activity	Working Hrs	Emissions lbs/day						
		HC	CO	NOx	SOx	PM	PM2.5	CO2
Flight	4	7.304	8.624	213.224	0.8973067	4.1448	1.906608	33964.651
LTO	2	1.40624	1.69444	10.47288	0.1879778	3.52792	0.9026864	970.2672
TOTAL		8.71024	10.31844	223.69688	1.0852844	7.67272	2.8092944	34935

Construction Phase	Working Days	Emissions tons						MT
		HC	CO	NOx	SOx	PM	PM2.5	CO2
9 TDIP Erection	137	0.5967	0.7068	15.3232	0.0743	0.5256	0.1924	2393.0419
13 TSP Erection Multi Pole	4	0.0174	0.0206	0.4474	0.0022	0.0153	0.0056	69.8698
14 Wood Pole / H-Frame Removal	87	0.3789	0.4489	9.7308	0.0472	0.3338	0.1222	1519.6690
17 DI Pole Install	141	0.6141	0.7275	15.7706	0.0765	0.5409	0.1981	2462.9118

#### NOTES:

California Air Resources Board (ARB). 2012. Regulation for the Mandatory Reporting of Greenhouse Gas Emissions. Petroleum Fuels. Section 95115(c)(1)

Ref: Swiss Confederation, DETEC and FOCA "Guidance on the Determination of Helicopter Emissions", 2015

Engine T53 17A

Fugitive dust estimates from Emission Factor Source: Dr. J. A. Gillies et. al. December 31, 2007. Particulate Matter Emissions for Dust from Unique Military Activities.

ARB's CEIDARS database PM2.5 fractions - construction dust category for fugitive and diesel vehicle exhaust category for combustion.