

Lassen Substation Construction Northeast Plateau Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	250.00	1000sqft	4.50	250,000.00	0
User Defined Industrial	8.00	User Defined Unit	8.00	348,480.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	73
Climate Zone	14			Operational Year	2017
Utility Company	PacifiCorp				
CO2 Intensity (lb/MW hr)	1656.39	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Interior	897720	0
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	0
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tblConstructionPhase	NumDays	300.00	48.00

tblConstructionPhase	NumDays	300.00	96.00
tblConstructionPhase	NumDays	300.00	48.00
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tblConstructionPhase	NumDays	300.00	23.00
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tblConstructionPhase	PhaseEndDate	3/17/2017	1/10/2017
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tblConstructionPhase	PhaseEndDate	7/31/2017	3/17/2017
tblConstructionPhase	PhaseEndDate	9/29/2017	9/30/2017
tblConstructionPhase	PhaseEndDate	10/12/2017	10/13/2016
tblConstructionPhase	PhaseEndDate	10/16/2017	9/30/2017
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tblConstructionPhase	PhaseEndDate	10/12/2017	9/30/2017
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tblConstructionPhase	PhaseStartDate	1/11/2017	11/4/2016
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tblGrading	AcresOfGrading	0.00	4.50
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tblLandUse	LotAcreage	0.00	8.00
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tblTripsAndVMT	VendorTripNumber	98.00	99.00
tblTripsAndVMT	VendorTripNumber	98.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
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tblTripsAndVMT	VendorTripNumber	98.00	1.00
tblTripsAndVMT	VendorTripNumber	98.00	0.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00

tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	1.00
tblTripsAndVMT	WorkerTripNumber	30.00	2.00
tblTripsAndVMT	WorkerTripNumber	23.00	6.00
tblTripsAndVMT	WorkerTripNumber	251.00	10.00
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tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	251.00	10.00
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tblTripsAndVMT	WorkerTripNumber	251.00	8.00
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tblTripsAndVMT	WorkerTripNumber	20.00	8.00
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tblTripsAndVMT	WorkerTripNumber	18.00	8.00
tblTripsAndVMT	WorkerTripNumber	23.00	4.00
tblTripsAndVMT	WorkerTripNumber	30.00	6.00
tblTripsAndVMT	WorkerTripNumber	25.00	10.00
tblTripsAndVMT	WorkerTripNumber	33.00	6.00

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.5110	2.0000e-005	2.4200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.8800e-003
Energy	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	937.5375	937.5375	0.0165	4.1200e-003	939.1606
Mobile	0.7571	2.3428	8.6194	0.0110	0.5472	0.0326	0.5798	0.1478	0.0299	0.1777	0.0000	889.7113	889.7113	0.0398	0.0000	890.5478
Waste						0.0000	0.0000		0.0000	0.0000	62.9272	0.0000	62.9272	3.7189	0.0000	141.0239
Water						0.0000	0.0000		0.0000	0.0000	18.3412	235.0323	253.3736	1.8879	0.0453	307.0733
Total	3.2730	2.3879	8.6597	0.0113	0.5472	0.0360	0.5832	0.1478	0.0334	0.1812	81.2684	2,062.2858	2,143.5542	5.6632	0.0495	2,277.8105

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.5110	2.0000e-005	2.4200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.8800e-003
Energy	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	937.5375	937.5375	0.0165	4.1200e-003	939.1606
Mobile	0.7571	2.3428	8.6194	0.0110	0.5472	0.0326	0.5798	0.1478	0.0299	0.1777	0.0000	889.7113	889.7113	0.0398	0.0000	890.5478
Waste						0.0000	0.0000		0.0000	0.0000	62.9272	0.0000	62.9272	3.7189	0.0000	141.0239
Water						0.0000	0.0000		0.0000	0.0000	18.3412	235.0323	253.3736	1.8876	0.0453	307.0440

Total	3.2730	2.3879	8.6597	0.0113	0.5472	0.0360	0.5832	0.1478	0.0334	0.1812	81.2684	2,062.2858	2,143.5542	5.6628	0.0494	2,277.7813
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.14	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Construction Management	Site Preparation	10/1/2016	9/30/2017	5	260	
2	Survey	Site Preparation	10/1/2016	10/13/2016	5	9	
3	Construction Management	Site Preparation	10/1/2016	9/30/2017	5	260	
4	Survey Transmission	Site Preparation	10/1/2016	10/13/2016	5	9	
5	Demolition	Demolition	10/14/2016	11/3/2016	5	15	
6	Access road Transmission	Grading	10/14/2016	1/10/2017	5	63	
7	Material Haul Transmission	Grading	10/14/2016	1/10/2017	5	63	
8	Lassen Substation Grading	Grading	11/4/2016	1/10/2017	5	48	
9	Material Haul	Grading	11/4/2016	1/10/2017	5	48	
10	Access Road Construction	Grading	11/4/2016	1/10/2017	5	48	
11	Auger Holes, Direct Embed Poles	Trenching	1/11/2017	3/17/2017	5	48	
12	Structure Assembly and Installation	Building Construction	1/11/2017	5/24/2017	5	96	
13	Concrete Placement and Formwork	Paving	1/11/2017	3/17/2017	5	48	
14	Distribution Line Underground	Grading	3/18/2017	5/24/2017	5	48	
15	Steel Installation	Building Construction	3/18/2017	5/24/2017	5	48	
16	Structure Erection	Building Construction	3/18/2017	7/31/2017	5	96	
17	Equipment Installation	Building Construction	5/25/2017	7/31/2017	5	48	
18	Equipment Removal	Demolition	8/1/2017	8/31/2017	5	25	
19	Bus Work	Building Construction	8/1/2017	8/15/2017	5	11	

20	Wire Installation	Building Construction	8/1/2017	8/31/2017	5	23
21	Testing and Energization	Building Construction	8/16/2017	8/31/2017	5	12
22	Foundation Removal	Demolition	9/1/2017	9/15/2017	5	11
23	Right-of-way Restoration and Cleanup	Site Preparation	9/1/2017	9/30/2017	5	21
24	Right-of-way Restoration and Cleanup Transmission	Site Preparation	9/1/2017	9/30/2017	5	21
25	Fencing	Building Construction	9/1/2017	9/30/2017	5	21
26	Marshalling Yard	Site Preparation	9/15/2017	9/30/2017	5	11
27	Grading	Grading	9/16/2017	9/30/2017	5	10

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.5

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Construction Management	Cranes	1	0.00	226	0.29
Construction Management	Forklifts	3	0.00	89	0.20
Construction Management	Generator Sets	1	0.00	84	0.74
Construction Management	Rubber Tired Dozers	3	0.00	255	0.40
Construction Management	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Construction Management	Welders	1	0.00	46	0.45
Survey	Pavers	2	0.00	125	0.42
Survey	Paving Equipment	2	0.00	130	0.36
Survey	Rollers	2	0.00	80	0.38
Survey	Rubber Tired Dozers	3	0.00	255	0.40
Survey	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Construction Management	Rubber Tired Dozers	3	0.00	255	0.40
Construction Management	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Survey Transmission	Rubber Tired Dozers	3	0.00	255	0.40

Survey Transmission	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Demolition	Concrete/Industrial Saws	1	0.00	81	0.73
Demolition	Crawler Tractors	1	10.00	208	0.43
Demolition	Excavators	1	10.00	162	0.38
Demolition	Off-Highway Trucks	2	10.00	400	0.38
Demolition	Rubber Tired Dozers	2	0.00	255	0.40
Access road Transmission	Excavators	2	0.00	162	0.38
Access road Transmission	Graders	1	10.00	174	0.41
Access road Transmission	Off-Highway Trucks	1	10.00	250	0.38
Access road Transmission	Rubber Tired Dozers	1	10.00	255	0.40
Access road Transmission	Scrapers	2	0.00	361	0.48
Access road Transmission	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Material Haul Transmission	Cranes	2	10.00	226	0.29
Material Haul Transmission	Excavators	2	0.00	162	0.38
Material Haul Transmission	Graders	1	0.00	174	0.41
Material Haul Transmission	Off-Highway Trucks	1	10.00	400	0.38
Material Haul Transmission	Rough Terrain Forklifts	1	10.00	100	0.40
Material Haul Transmission	Rubber Tired Dozers	1	0.00	255	0.40
Material Haul Transmission	Scrapers	2	0.00	361	0.48
Material Haul Transmission	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Lassen Substation Grading	Excavators	2	0.00	162	0.38
Lassen Substation Grading	Graders	1	0.00	174	0.41
Lassen Substation Grading	Off-Highway Trucks	2	10.00	400	0.38
Lassen Substation Grading	Off-Highway Trucks	1	10.00	250	0.38
Lassen Substation Grading	Rubber Tired Dozers	1	10.00	255	0.40
Lassen Substation Grading	Scrapers	2	0.00	361	0.48
Lassen Substation Grading	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Material Haul	Air Compressors	1	0.00	78	0.48
Material Haul	Cranes	2	10.00	226	0.29
Material Haul	Excavators	2	0.00	162	0.38

Material Haul	Graders	1	0.00	174	0.41
Material Haul	Off-Highway Trucks	1	10.00	400	0.38
Material Haul	Rough Terrain Forklifts	1	10.00	100	0.40
Material Haul	Rubber Tired Dozers	1	0.00	255	0.40
Material Haul	Scrapers	2	0.00	361	0.48
Material Haul	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Access Road Construction	Excavators	2	0.00	162	0.38
Access Road Construction	Graders	1	10.00	174	0.41
Access Road Construction	Off-Highway Trucks	1	10.00	250	0.38
Access Road Construction	Rubber Tired Dozers	1	10.00	255	0.40
Access Road Construction	Scrapers	2	0.00	361	0.48
Access Road Construction	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Auger Holes, Direct Embed Poles	Bore/Drill Rigs	1	10.00	205	0.50
Auger Holes, Direct Embed Poles	Off-Highway Trucks	1	10.00	250	0.38
Auger Holes, Direct Embed Poles	Off-Highway Trucks	1	10.00	250	0.38
Auger Holes, Direct Embed Poles	Pumps	1	10.00	84	0.74
Structure Assembly and Installation	Cranes	1	0.00	226	0.29
Structure Assembly and Installation	Forklifts	3	0.00	89	0.20
Structure Assembly and Installation	Generator Sets	1	0.00	84	0.74
Structure Assembly and Installation	Off-Highway Trucks	3	10.00	400	0.38
Structure Assembly and Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Structure Assembly and Installation	Welders	1	0.00	46	0.45
Concrete Placement and Formwork	Excavators	2	0.00	162	0.38
Concrete Placement and Formwork	Graders	1	0.00	174	0.41
Concrete Placement and Formwork	Off-Highway Trucks	1	10.00	400	0.38
Concrete Placement and Formwork	Off-Highway Trucks	1	10.00	400	0.38
Concrete Placement and Formwork	Pavers	2	0.00	125	0.42
Concrete Placement and Formwork	Paving Equipment	2	0.00	130	0.36
Concrete Placement and Formwork	Rollers	2	0.00	80	0.38
Concrete Placement and Formwork	Rubber Tired Dozers	1	0.00	255	0.40

Concrete Placement and Formwork	Scrapers	2	0.00	361	0.48
Concrete Placement and Formwork	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Distribution Line Underground	Excavators	1	10.00	162	0.38
Distribution Line Underground	Graders	1	0.00	174	0.41
Distribution Line Underground	Rubber Tired Dozers	1	0.00	255	0.40
Distribution Line Underground	Scrapers	2	0.00	361	0.48
Distribution Line Underground	Tractors/Loaders/Backhoes	1	10.00	97	0.37
Steel Installation	Cranes	1	10.00	226	0.29
Steel Installation	Forklifts	1	10.00	89	0.20
Steel Installation	Generator Sets	1	0.00	84	0.74
Steel Installation	Off-Highway Trucks	1	10.00	400	0.38
Steel Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Steel Installation	Welders	1	0.00	46	0.45
Structure Erection	Cranes	1	0.00	226	0.29
Structure Erection	Forklifts	3	0.00	89	0.20
Structure Erection	Generator Sets	1	0.00	84	0.74
Structure Erection	Off-Highway Trucks	3	10.00	400	0.38
Structure Erection	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Structure Erection	Welders	1	0.00	46	0.45
Equipment Installation	Aerial Lifts	1	10.00	62	0.31
Equipment Installation	Cranes	1	10.00	226	0.29
Equipment Installation	Forklifts	1	10.00	89	0.20
Equipment Installation	Generator Sets	1	0.00	84	0.74
Equipment Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Equipment Installation	Welders	1	0.00	46	0.45
Equipment Removal	Concrete/Industrial Saws	1	0.00	81	0.73
Equipment Removal	Cranes	1	10.00	226	0.29
Equipment Removal	Excavators	3	0.00	162	0.38
Equipment Removal	Off-Highway Trucks	1	10.00	400	0.38
Equipment Removal	Rough Terrain Forklifts	1	10.00	100	0.40

Equipment Removal	Rubber Tired Dozers	2	0.00	255	0.40
Bus Work	Aerial Lifts	1	10.00	62	0.31
Bus Work	Cranes	1	10.00	226	0.29
Bus Work	Forklifts	3	0.00	89	0.20
Bus Work	Generator Sets	1	0.00	84	0.74
Bus Work	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Bus Work	Welders	1	10.00	46	0.45
Wire Installation	Cranes	1	10.00	226	0.29
Wire Installation	Crawler Tractors	1	10.00	208	0.43
Wire Installation	Forklifts	3	0.00	89	0.20
Wire Installation	Generator Sets	1	0.00	84	0.74
Wire Installation	Off-Highway Trucks	3	10.00	400	0.38
Wire Installation	Other Construction Equipment	1	10.00	171	0.42
Wire Installation	Other Construction Equipment	2	10.00	171	0.42
Wire Installation	Other Construction Equipment	1	10.00	171	0.42
Wire Installation	Other Construction Equipment	1	10.00	171	0.42
Wire Installation	Other Construction Equipment	1	10.00	171	0.42
Wire Installation	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Wire Installation	Welders	1	0.00	46	0.45
Testing and Energization	Cranes	1	0.00	226	0.29
Testing and Energization	Forklifts	3	0.00	89	0.20
Testing and Energization	Generator Sets	1	0.00	84	0.74
Testing and Energization	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Testing and Energization	Welders	1	0.00	46	0.45
Foundation Removal	Concrete/Industrial Saws	1	0.00	81	0.73
Foundation Removal	Excavators	3	0.00	162	0.38
Foundation Removal	Off-Highway Trucks	2	10.00	400	0.38
Foundation Removal	Rubber Tired Dozers	2	0.00	255	0.40
Foundation Removal	Tractors/Loaders/Backhoes	2	10.00	97	0.37
Right-of-way Restoration and Cleanup	Off-Highway Trucks	1	10.00	400	0.38

Material Haul	13	6.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Access Road	9	6.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Construction										
Auger Holes, Direct	4	10.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Embed Poles										
Structure Assembly	12	10.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
and Installation										
Concrete Placement	16	10.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
and Formwork										
Distribution Line	6	16.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Underground										
Steel Installation	8	10.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Structure Erection	12	10.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Equipment Installation	8	8.00	99.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Equipment Removal	9	8.00	0.00	99.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Bus Work	10	8.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Wire Installation	19	16.00	101.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Testing and	9	4.00	1.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Energization										
Foundation Removal	10	8.00	0.00	99.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Right-of-way	6	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Restoration and										
Right-of-way	6	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Restoration and										
Fencing	9	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Marshalling Yard	7	4.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Construction Management - 2016

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	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
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	7.8000e-004	2.7400e-003	8.4000e-003	1.0000e-005	1.8000e-004	6.0000e-005	2.4000e-004	5.0000e-005	5.0000e-005	1.0000e-004	0.0000	0.6071	0.6071	1.0000e-005	0.0000	0.6073
Worker	6.2000e-004	9.1000e-004	8.8000e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.7843	0.7843	6.0000e-005	0.0000	0.7857
Total	1.4000e-003	3.6500e-003	0.0172	2.0000e-005	9.7000e-004	7.0000e-005	1.0400e-003	2.6000e-004	6.0000e-005	3.2000e-004	0.0000	1.3915	1.3915	7.0000e-005	0.0000	1.3929

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

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	7.8000e-004	2.7400e-003	8.4000e-003	1.0000e-005	1.8000e-004	6.0000e-005	2.4000e-004	5.0000e-005	5.0000e-005	1.0000e-004	0.0000	0.6071	0.6071	1.0000e-005	0.0000	0.6073
Worker	6.2000e-004	9.1000e-004	8.8000e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.7843	0.7843	6.0000e-005	0.0000	0.7857
Total	1.4000e-003	3.6500e-003	0.0172	2.0000e-005	9.7000e-004	7.0000e-005	1.0400e-003	2.6000e-004	6.0000e-005	3.2000e-004	0.0000	1.3915	1.3915	7.0000e-005	0.0000	1.3929

3.2 Construction Management - 2017

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

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	1.9300e-003	7.2000e-003	0.0228	2.0000e-005	5.5000e-004	1.4000e-004	6.8000e-004	1.5000e-004	1.2000e-004	2.8000e-004	0.0000	1.7899	1.7899	2.0000e-005	0.0000	1.7902
Worker	1.5700e-003	2.3800e-003	0.0227	3.0000e-005	2.3800e-003	3.0000e-005	2.4100e-003	6.3000e-004	3.0000e-005	6.6000e-004	0.0000	2.2591	2.2591	1.7000e-004	0.0000	2.2626
Total	3.5000e-003	9.5800e-003	0.0455	5.0000e-005	2.9300e-003	1.7000e-004	3.0900e-003	7.8000e-004	1.5000e-004	9.4000e-004	0.0000	4.0490	4.0490	1.9000e-004	0.0000	4.0528

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

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	1.9300e-003	7.2000e-003	0.0228	2.0000e-005	5.5000e-004	1.4000e-004	6.8000e-004	1.5000e-004	1.2000e-004	2.8000e-004	0.0000	1.7899	1.7899	2.0000e-005	0.0000	1.7902
Worker	1.5700e-003	2.3800e-003	0.0227	3.0000e-005	2.3800e-003	3.0000e-005	2.4100e-003	6.3000e-004	3.0000e-005	6.6000e-004	0.0000	2.2591	2.2591	1.7000e-004	0.0000	2.2626
Total	3.5000e-003	9.5800e-003	0.0455	5.0000e-005	2.9300e-003	1.7000e-004	3.0900e-003	7.8000e-004	1.5000e-004	9.4000e-004	0.0000	4.0490	4.0490	1.9000e-004	0.0000	4.0528

3.3 Survey - 2016

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

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	1.1000e-004	3.8000e-004	1.1600e-003	0.0000	3.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.0841	0.0841	0.0000	0.0000	0.0841
Worker	2.6000e-004	3.8000e-004	3.6500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3258	0.3258	3.0000e-005	0.0000	0.3264

Total	3.7000e-004	7.6000e-004	4.8100e-003	0.0000	3.6000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.0000e-004	0.0000	0.4099	0.4099	3.0000e-005	0.0000	0.4104
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Mitigated Construction On-Site

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

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	1.1000e-004	3.8000e-004	1.1600e-003	0.0000	3.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.0841	0.0841	0.0000	0.0000	0.0841
Worker	2.6000e-004	3.8000e-004	3.6500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3258	0.3258	3.0000e-005	0.0000	0.3264
Total	3.7000e-004	7.6000e-004	4.8100e-003	0.0000	3.6000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.0000e-004	0.0000	0.4099	0.4099	3.0000e-005	0.0000	0.4104

3.4 Construction Management Transmission - 2016

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

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	7.8000e-004	2.7400e-003	8.4000e-003	1.0000e-005	1.8000e-004	6.0000e-005	2.4000e-004	5.0000e-005	5.0000e-005	1.0000e-004	0.0000	0.6071	0.6071	1.0000e-005	0.0000	0.6073
Worker	6.2000e-004	9.1000e-004	8.8000e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.7843	0.7843	6.0000e-005	0.0000	0.7857
Total	1.4000e-003	3.6500e-003	0.0172	2.0000e-005	9.7000e-004	7.0000e-005	1.0400e-003	2.6000e-004	6.0000e-005	3.2000e-004	0.0000	1.3915	1.3915	7.0000e-005	0.0000	1.3929

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					

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	1.9300e-003	7.2000e-003	0.0228	2.0000e-005	5.5000e-004	1.4000e-004	6.8000e-004	1.5000e-004	1.2000e-004	2.8000e-004	0.0000	1.7899	1.7899	2.0000e-005	0.0000	1.7902
Worker	1.5700e-003	2.3800e-003	0.0227	3.0000e-005	2.3800e-003	3.0000e-005	2.4100e-003	6.3000e-004	3.0000e-005	6.6000e-004	0.0000	2.2591	2.2591	1.7000e-004	0.0000	2.2626
Total	3.5000e-003	9.5800e-003	0.0455	5.0000e-005	2.9300e-003	1.7000e-004	3.0900e-003	7.8000e-004	1.5000e-004	9.4000e-004	0.0000	4.0490	4.0490	1.9000e-004	0.0000	4.0528

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

Mitigated Construction Off-Site

Vendor	1.1000e-004	3.8000e-004	1.1600e-003	0.0000	3.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.0841	0.0841	0.0000	0.0000	0.0841
Worker	2.6000e-004	3.8000e-004	3.6500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3258	0.3258	3.0000e-005	0.0000	0.3264
Total	3.7000e-004	7.6000e-004	4.8100e-003	0.0000	3.6000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.0000e-004	0.0000	0.4099	0.4099	3.0000e-005	0.0000	0.4104

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

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	1.1000e-004	3.8000e-004	1.1600e-003	0.0000	3.0000e-005	1.0000e-005	3.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.0841	0.0841	0.0000	0.0000	0.0841
Worker	2.6000e-004	3.8000e-004	3.6500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3258	0.3258	3.0000e-005	0.0000	0.3264
Total	3.7000e-004	7.6000e-004	4.8100e-003	0.0000	3.6000e-004	1.0000e-005	3.6000e-004	1.0000e-004	1.0000e-005	1.0000e-004	0.0000	0.4099	0.4099	3.0000e-005	0.0000	0.4104

3.6 Demolition - 2016

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					1.0300e-003	0.0000	1.0300e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.3345	0.1536	3.7000e-004		0.0132	0.0132		0.0121	0.0121	0.0000	34.7333	34.7333	0.0105	0.0000	34.9533
Total	0.0279	0.3345	0.1536	3.7000e-004	1.0300e-003	0.0132	0.0142	1.6000e-004	0.0121	0.0123	0.0000	34.7333	34.7333	0.0105	0.0000	34.9533

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	1.7000e-004	1.0600e-003	1.8200e-003	0.0000	8.0000e-005	2.0000e-005	1.0000e-004	2.0000e-005	2.0000e-005	4.0000e-005	0.0000	0.3054	0.3054	0.0000	0.0000	0.3055
Vendor	1.8000e-004	6.3000e-004	1.9400e-003	0.0000	4.0000e-005	1.0000e-005	5.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1401	0.1401	0.0000	0.0000	0.1401
Worker	5.7000e-004	8.4000e-004	8.1200e-003	1.0000e-005	7.3000e-004	1.0000e-005	7.4000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	0.7240	0.7240	6.0000e-005	0.0000	0.7252
Total	9.2000e-004	2.5300e-003	0.0119	1.0000e-005	8.5000e-004	4.0000e-005	8.9000e-004	2.3000e-004	4.0000e-005	2.6000e-004	0.0000	1.1696	1.1696	6.0000e-005	0.0000	1.1709

Mitigated Construction On-Site

Off-Road	0.1051	1.1318	0.6464	8.1000e-004		0.0552	0.0552		0.0508	0.0508	0.0000	76.6715	76.6715	0.0231	0.0000	77.1572
Total	0.1051	1.1318	0.6464	8.1000e-004	0.2414	0.0552	0.2965	0.1308	0.0508	0.1816	0.0000	76.6715	76.6715	0.0231	0.0000	77.1572

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7000e-004	2.3600e-003	7.2300e-003	1.0000e-005	1.6000e-004	5.0000e-005	2.1000e-004	4.0000e-005	4.0000e-005	9.0000e-005	0.0000	0.5231	0.5231	1.0000e-005	0.0000	0.5232
Worker	1.0700e-003	1.5600e-003	0.0152	2.0000e-005	1.3700e-003	2.0000e-005	1.3900e-003	3.6000e-004	2.0000e-005	3.8000e-004	0.0000	1.3515	1.3515	1.1000e-004	0.0000	1.3537
Total	1.7400e-003	3.9200e-003	0.0224	3.0000e-005	1.5300e-003	7.0000e-005	1.6000e-003	4.0000e-004	6.0000e-005	4.7000e-004	0.0000	1.8746	1.8746	1.2000e-004	0.0000	1.8769

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					0.0941	0.0000	0.0941	0.0510	0.0000	0.0510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1051	1.1318	0.6464	8.1000e-004		0.0552	0.0552		0.0508	0.0508	0.0000	76.6714	76.6714	0.0231	0.0000	77.1571
Total	0.1051	1.1318	0.6464	8.1000e-004	0.0941	0.0552	0.1493	0.0510	0.0508	0.1018	0.0000	76.6714	76.6714	0.0231	0.0000	77.1571

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.7000e-004	2.3600e-003	7.2300e-003	1.0000e-005	1.6000e-004	5.0000e-005	2.1000e-004	4.0000e-005	4.0000e-005	9.0000e-005	0.0000	0.5231	0.5231	1.0000e-005	0.0000	0.5232
Worker	1.0700e-003	1.5600e-003	0.0152	2.0000e-005	1.3700e-003	2.0000e-005	1.3900e-003	3.6000e-004	2.0000e-005	3.8000e-004	0.0000	1.3515	1.3515	1.1000e-004	0.0000	1.3537
Total	1.7400e-003	3.9200e-003	0.0224	3.0000e-005	1.5300e-003	7.0000e-005	1.6000e-003	4.0000e-004	6.0000e-005	4.7000e-004	0.0000	1.8746	1.8746	1.2000e-004	0.0000	1.8769

3.7 Access road Transmission - 2017

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					0.2414	0.0000	0.2414	0.1308	0.0000	0.1308	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1319	0.0775	1.0000e-004		6.4300e-003	6.4300e-003		5.9200e-003	5.9200e-003	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934
Total	0.0124	0.1319	0.0775	1.0000e-004	0.2414	6.4300e-003	0.2478	0.1308	5.9200e-003	0.1367	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	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
Vendor	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643
Worker	1.1000e-004	1.7000e-004	1.6300e-003	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1622	0.1622	1.0000e-005	0.0000	0.1625
Total	1.8000e-004	4.3000e-004	2.4500e-003	0.0000	1.9000e-004	0.0000	1.9000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2264	0.2264	1.0000e-005	0.0000	0.2267

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					0.0941	0.0000	0.0941	0.0510	0.0000	0.0510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1319	0.0775	1.0000e-004		6.4300e-003	6.4300e-003		5.9200e-003	5.9200e-003	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934
Total	0.0124	0.1319	0.0775	1.0000e-004	0.0941	6.4300e-003	0.1006	0.0510	5.9200e-003	0.0569	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934

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	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643

Worker	1.1000e-004	1.7000e-004	1.6300e-003	0.0000	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1622	0.1622	1.0000e-005	0.0000	0.1625
Total	1.8000e-004	4.3000e-004	2.4500e-003	0.0000	1.9000e-004	0.0000	1.9000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2264	0.2264	1.0000e-005	0.0000	0.2267

3.8 Material Haul Transmission - 2016

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					4.2400e-003	0.0000	4.2400e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0908	1.0718	0.4683	9.8000e-004		0.0467	0.0467		0.0430	0.0430	0.0000	91.9852	91.9852	0.0278	0.0000	92.5679
Total	0.0908	1.0718	0.4683	9.8000e-004	4.2400e-003	0.0467	0.0509	4.6000e-004	0.0430	0.0434	0.0000	91.9852	91.9852	0.0278	0.0000	92.5679

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	2.3400e-003	0.0227	3.0000e-005	2.0500e-003	3.0000e-005	2.0800e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	2.0272	2.0272	1.6000e-004	0.0000	2.0306
Total	1.6000e-003	2.3400e-003	0.0227	3.0000e-005	2.0500e-003	3.0000e-005	2.0800e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	2.0272	2.0272	1.6000e-004	0.0000	2.0306

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					1.6500e-003	0.0000	1.6500e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0908	1.0718	0.4683	9.8000e-004		0.0467	0.0467		0.0430	0.0430	0.0000	91.9851	91.9851	0.0278	0.0000	92.5678
Total	0.0908	1.0718	0.4683	9.8000e-004	1.6500e-003	0.0467	0.0483	1.8000e-004	0.0430	0.0431	0.0000	91.9851	91.9851	0.0278	0.0000	92.5678

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-003	2.3400e-003	0.0227	3.0000e-005	2.0500e-003	3.0000e-005	2.0800e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	2.0272	2.0272	1.6000e-004	0.0000	2.0306
Total	1.6000e-003	2.3400e-003	0.0227	3.0000e-005	2.0500e-003	3.0000e-005	2.0800e-003	5.5000e-004	2.0000e-005	5.7000e-004	0.0000	2.0272	2.0272	1.6000e-004	0.0000	2.0306

3.8 Material Haul Transmission - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Fugitive Dust					4.2400e-003	0.0000	4.2400e-003	4.6000e-004	0.0000	4.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1209	0.0549	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878
Total	0.0103	0.1209	0.0549	1.2000e-004	4.2400e-003	5.1600e-003	9.4000e-003	4.6000e-004	4.7500e-003	5.2100e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437
Total	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437

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					1.6500e-003	0.0000	1.6500e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1209	0.0549	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878

Total	0.0103	0.1209	0.0549	1.2000e-004	1.6500e-003	5.1600e-003	6.8100e-003	1.8000e-004	4.7500e-003	4.9300e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437
Total	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437

3.9 Lassen Substation Grading - 2016

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					0.1831	0.0000	0.1831	0.0996	0.0000	0.0996	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1079	1.2022	0.6678	1.1900e-003		0.0529	0.0529		0.0486	0.0486	0.0000	112.1114	112.1114	0.0338	0.0000	112.8215
Total	0.1079	1.2022	0.6678	1.1900e-003	0.1831	0.0529	0.2359	0.0996	0.0486	0.1482	0.0000	112.1114	112.1114	0.0338	0.0000	112.8215

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	4.9000e-004	1.7300e-003	5.3000e-003	0.0000	1.1000e-004	4.0000e-005	1.5000e-004	3.0000e-005	3.0000e-005	6.0000e-005	0.0000	0.3830	0.3830	0.0000	0.0000	0.3830
Worker	1.9500e-003	2.8600e-003	0.0278	3.0000e-005	2.5000e-003	3.0000e-005	2.5400e-003	6.7000e-004	3.0000e-005	7.0000e-004	0.0000	2.4737	2.4737	2.0000e-004	0.0000	2.4778
Total	2.4400e-003	4.5900e-003	0.0331	3.0000e-005	2.6100e-003	7.0000e-005	2.6900e-003	7.0000e-004	6.0000e-005	7.6000e-004	0.0000	2.8567	2.8567	2.0000e-004	0.0000	2.8609

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					0.0714	0.0000	0.0714	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1079	1.2022	0.6678	1.1900e-003		0.0529	0.0529		0.0486	0.0486	0.0000	112.1113	112.1113	0.0338	0.0000	112.8214
Total	0.1079	1.2022	0.6678	1.1900e-003	0.0714	0.0529	0.1243	0.0388	0.0486	0.0875	0.0000	112.1113	112.1113	0.0338	0.0000	112.8214

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	4.9000e-004	1.7300e-003	5.3000e-003	0.0000	1.1000e-004	4.0000e-005	1.5000e-004	3.0000e-005	3.0000e-005	6.0000e-005	0.0000	0.3830	0.3830	0.0000	0.0000	0.3830
Worker	1.9500e-003	2.8600e-003	0.0278	3.0000e-005	2.5000e-003	3.0000e-005	2.5400e-003	6.7000e-004	3.0000e-005	7.0000e-004	0.0000	2.4737	2.4737	2.0000e-004	0.0000	2.4778
Total	2.4400e-003	4.5900e-003	0.0331	3.0000e-005	2.6100e-003	7.0000e-005	2.6900e-003	7.0000e-004	6.0000e-005	7.6000e-004	0.0000	2.8567	2.8567	2.0000e-004	0.0000	2.8609

3.9 Lassen Substation Grading - 2017

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					0.1831	0.0000	0.1831	0.0996	0.0000	0.0996	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.1891	0.1078	2.0000e-004		8.2600e-003	8.2600e-003		7.6000e-003	7.6000e-003	0.0000	18.8359	18.8359	5.7700e-003	0.0000	18.9571
Total	0.0173	0.1891	0.1078	2.0000e-004	0.1831	8.2600e-003	0.1913	0.0996	7.6000e-003	0.1072	0.0000	18.8359	18.8359	5.7700e-003	0.0000	18.9571

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	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643
Worker	2.8000e-004	4.3000e-004	4.0700e-003	1.0000e-005	4.3000e-004	1.0000e-005	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.4055	0.4055	3.0000e-005	0.0000	0.4061

Total	3.5000e-004	6.9000e-004	4.8900e-003	1.0000e-005	4.5000e-004	1.0000e-005	4.5000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.4697	0.4697	3.0000e-005	0.0000	0.4704
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0714	0.0000	0.0714	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0173	0.1891	0.1078	2.0000e-004		8.2600e-003	8.2600e-003		7.6000e-003	7.6000e-003	0.0000	18.8359	18.8359	5.7700e-003	0.0000	18.9571
Total	0.0173	0.1891	0.1078	2.0000e-004	0.0714	8.2600e-003	0.0797	0.0388	7.6000e-003	0.0464	0.0000	18.8359	18.8359	5.7700e-003	0.0000	18.9571

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	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643
Worker	2.8000e-004	4.3000e-004	4.0700e-003	1.0000e-005	4.3000e-004	1.0000e-005	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.4055	0.4055	3.0000e-005	0.0000	0.4061
Total	3.5000e-004	6.9000e-004	4.8900e-003	1.0000e-005	4.5000e-004	1.0000e-005	4.5000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.4697	0.4697	3.0000e-005	0.0000	0.4704

3.10 Material Haul - 2016

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					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0665	0.7847	0.3429	7.1000e-004		0.0342	0.0342		0.0315	0.0315	0.0000	67.3463	67.3463	0.0203	0.0000	67.7729
Total	0.0665	0.7847	0.3429	7.1000e-004	2.3900e-003	0.0342	0.0366	2.6000e-004	0.0315	0.0317	0.0000	67.3463	67.3463	0.0203	0.0000	67.7729

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	1.7200e-003	0.0167	2.0000e-005	1.5000e-003	2.0000e-005	1.5200e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	1.4842	1.4842	1.2000e-004	0.0000	1.4867
Total	1.1700e-003	1.7200e-003	0.0167	2.0000e-005	1.5000e-003	2.0000e-005	1.5200e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	1.4842	1.4842	1.2000e-004	0.0000	1.4867

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					9.3000e-004	0.0000	9.3000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0665	0.7847	0.3429	7.1000e-004		0.0342	0.0342		0.0315	0.0315	0.0000	67.3462	67.3462	0.0203	0.0000	67.7728
Total	0.0665	0.7847	0.3429	7.1000e-004	9.3000e-004	0.0342	0.0351	1.0000e-004	0.0315	0.0316	0.0000	67.3462	67.3462	0.0203	0.0000	67.7728

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1700e-003	1.7200e-003	0.0167	2.0000e-005	1.5000e-003	2.0000e-005	1.5200e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	1.4842	1.4842	1.2000e-004	0.0000	1.4867
Total	1.1700e-003	1.7200e-003	0.0167	2.0000e-005	1.5000e-003	2.0000e-005	1.5200e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	1.4842	1.4842	1.2000e-004	0.0000	1.4867

3.10 Material Haul - 2017

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					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1209	0.0549	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878
Total	0.0103	0.1209	0.0549	1.2000e-004	2.3900e-003	5.1600e-003	7.5500e-003	2.6000e-004	4.7500e-003	5.0100e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437
Total	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437

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					9.3000e-004	0.0000	9.3000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1209	0.0549	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878
Total	0.0103	0.1209	0.0549	1.2000e-004	9.3000e-004	5.1600e-003	6.0900e-003	1.0000e-004	4.7500e-003	4.8500e-003	0.0000	11.3150	11.3150	3.4700e-003	0.0000	11.3878

Mitigated Construction Off-Site

Vendor	4.9000e-004	1.7300e-003	5.3000e-003	0.0000	1.1000e-004	4.0000e-005	1.5000e-004	3.0000e-005	3.0000e-005	6.0000e-005	0.0000	0.3830	0.3830	0.0000	0.0000	0.3830
Worker	1.1700e-003	1.7200e-003	0.0167	2.0000e-005	1.5000e-003	2.0000e-005	1.5200e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	1.4842	1.4842	1.2000e-004	0.0000	1.4867
Total	1.6600e-003	3.4500e-003	0.0220	2.0000e-005	1.6100e-003	6.0000e-005	1.6700e-003	4.3000e-004	5.0000e-005	4.8000e-004	0.0000	1.8672	1.8672	1.2000e-004	0.0000	1.8697

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					0.0714	0.0000	0.0714	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0770	0.8286	0.4733	5.9000e-004		0.0404	0.0404		0.0372	0.0372	0.0000	56.1344	56.1344	0.0169	0.0000	56.4900
Total	0.0770	0.8286	0.4733	5.9000e-004	0.0714	0.0404	0.1118	0.0388	0.0372	0.0760	0.0000	56.1344	56.1344	0.0169	0.0000	56.4900

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	4.9000e-004	1.7300e-003	5.3000e-003	0.0000	1.1000e-004	4.0000e-005	1.5000e-004	3.0000e-005	3.0000e-005	6.0000e-005	0.0000	0.3830	0.3830	0.0000	0.0000	0.3830
Worker	1.1700e-003	1.7200e-003	0.0167	2.0000e-005	1.5000e-003	2.0000e-005	1.5200e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	1.4842	1.4842	1.2000e-004	0.0000	1.4867
Total	1.6600e-003	3.4500e-003	0.0220	2.0000e-005	1.6100e-003	6.0000e-005	1.6700e-003	4.3000e-004	5.0000e-005	4.8000e-004	0.0000	1.8672	1.8672	1.2000e-004	0.0000	1.8697

3.11 Access Road Construction - 2017

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					0.1831	0.0000	0.1831	0.0996	0.0000	0.0996	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1319	0.0775	1.0000e-004		6.4300e-003	6.4300e-003		5.9200e-003	5.9200e-003	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934
Total	0.0124	0.1319	0.0775	1.0000e-004	0.1831	6.4300e-003	0.1895	0.0996	5.9200e-003	0.1055	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934

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	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643
Worker	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437
Total	2.4000e-004	5.2000e-004	3.2600e-003	0.0000	2.8000e-004	0.0000	2.8000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3075	0.3075	2.0000e-005	0.0000	0.3079

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					0.0714	0.0000	0.0714	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0124	0.1319	0.0775	1.0000e-004		6.4300e-003	6.4300e-003		5.9200e-003	5.9200e-003	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934
Total	0.0124	0.1319	0.0775	1.0000e-004	0.0714	6.4300e-003	0.0778	0.0388	5.9200e-003	0.0448	0.0000	9.4327	9.4327	2.8900e-003	0.0000	9.4934

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	7.0000e-005	2.6000e-004	8.2000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0643	0.0643	0.0000	0.0000	0.0643
Worker	1.7000e-004	2.6000e-004	2.4400e-003	0.0000	2.6000e-004	0.0000	2.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2433	0.2433	2.0000e-005	0.0000	0.2437
Total	2.4000e-004	5.2000e-004	3.2600e-003	0.0000	2.8000e-004	0.0000	2.8000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.3075	0.3075	2.0000e-005	0.0000	0.3079

3.12 Auger Holes, Direct Embed Poles - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0693	0.7118	0.3509	9.5000e-004		0.0323	0.0323		0.0305	0.0305	0.0000	86.3930	86.3930	0.0227	0.0000	86.8705

Total	0.0693	0.7118	0.3509	9.5000e-004		0.0323	0.0323		0.0305	0.0305	0.0000	86.3930	86.3930	0.0227	0.0000	86.8705
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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	0.0000	0.0000	0.0000	0.0000	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	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0693	0.7118	0.3509	9.5000e-004		0.0323	0.0323		0.0305	0.0305	0.0000	86.3929	86.3929	0.0227	0.0000	86.8704
Total	0.0693	0.7118	0.3509	9.5000e-004		0.0323	0.0323		0.0305	0.0305	0.0000	86.3929	86.3929	0.0227	0.0000	86.8704

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848

3.13 Structure Assembly and Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5090	219.5090	0.0673	0.0000	220.9214
Total	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5090	219.5090	0.0673	0.0000	220.9214

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0942	0.3507	1.1121	9.9000e-004	0.0266	6.6200e-003	0.0332	7.5100e-003	6.0700e-003	0.0136	0.0000	87.2349	87.2349	7.7000e-004	0.0000	87.2510
Worker	3.8600e-003	5.8700e-003	0.0558	8.0000e-005	5.8600e-003	7.0000e-005	5.9400e-003	1.5600e-003	7.0000e-005	1.6300e-003	0.0000	5.5610	5.5610	4.1000e-004	0.0000	5.5696
Total	0.0981	0.3566	1.1679	1.0700e-003	0.0325	6.6900e-003	0.0392	9.0700e-003	6.1400e-003	0.0152	0.0000	92.7958	92.7958	1.1800e-003	0.0000	92.8206

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5087	219.5087	0.0673	0.0000	220.9211
Total	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5087	219.5087	0.0673	0.0000	220.9211

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0942	0.3507	1.1121	9.9000e-004	0.0266	6.6200e-003	0.0332	7.5100e-003	6.0700e-003	0.0136	0.0000	87.2349	87.2349	7.7000e-004	0.0000	87.2510

Worker	3.8600e-003	5.8700e-003	0.0558	8.0000e-005	5.8600e-003	7.0000e-005	5.9400e-003	1.5600e-003	7.0000e-005	1.6300e-003	0.0000	5.5610	5.5610	4.1000e-004	0.0000	5.5696
Total	0.0981	0.3566	1.1679	1.0700e-003	0.0325	6.6900e-003	0.0392	9.0700e-003	6.1400e-003	0.0152	0.0000	92.7958	92.7958	1.1800e-003	0.0000	92.8206

3.14 Concrete Placement and Formwork - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0523	0.5901	0.2811	7.9000e-004		0.0219	0.0219		0.0202	0.0202	0.0000	73.1697	73.1697	0.0224	0.0000	73.6405
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0523	0.5901	0.2811	7.9000e-004		0.0219	0.0219		0.0202	0.0202	0.0000	73.1697	73.1697	0.0224	0.0000	73.6405

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	4.8000e-004	1.7700e-003	5.6200e-003	0.0000	1.3000e-004	3.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4406	0.4406	0.0000	0.0000	0.4407
Worker	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	2.4100e-003	4.7000e-003	0.0335	4.0000e-005	3.0600e-003	7.0000e-005	3.1400e-003	8.2000e-004	6.0000e-005	8.8000e-004	0.0000	3.2211	3.2211	2.0000e-004	0.0000	3.2254

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0523	0.5901	0.2811	7.9000e-004		0.0219	0.0219		0.0202	0.0202	0.0000	73.1696	73.1696	0.0224	0.0000	73.6404
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0523	0.5901	0.2811	7.9000e-004		0.0219	0.0219		0.0202	0.0202	0.0000	73.1696	73.1696	0.0224	0.0000	73.6404

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	4.8000e-004	1.7700e-003	5.6200e-003	0.0000	1.3000e-004	3.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4406	0.4406	0.0000	0.0000	0.4407
Worker	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	2.4100e-003	4.7000e-003	0.0335	4.0000e-005	3.0600e-003	7.0000e-005	3.1400e-003	8.2000e-004	6.0000e-005	8.8000e-004	0.0000	3.2211	3.2211	2.0000e-004	0.0000	3.2254

3.15 Distribution Line Underground - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Fugitive Dust					7.3000e-004	0.0000	7.3000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2118	0.1745	2.5000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	23.3925	23.3925	7.1700e-003	0.0000	23.5430
Total	0.0204	0.2118	0.1745	2.5000e-004	7.3000e-004	0.0128	0.0135	8.0000e-005	0.0118	0.0119	0.0000	23.3925	23.3925	7.1700e-003	0.0000	23.5430

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	4.8000e-004	1.7700e-003	5.6200e-003	0.0000	1.3000e-004	3.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4406	0.4406	0.0000	0.0000	0.4407
Worker	3.0900e-003	4.6900e-003	0.0446	6.0000e-005	4.6900e-003	6.0000e-005	4.7500e-003	1.2500e-003	5.0000e-005	1.3000e-003	0.0000	4.4488	4.4488	3.3000e-004	0.0000	4.4557
Total	3.5700e-003	6.4600e-003	0.0502	6.0000e-005	4.8200e-003	9.0000e-005	4.9200e-003	1.2900e-003	8.0000e-005	1.3700e-003	0.0000	4.8893	4.8893	3.3000e-004	0.0000	4.8963

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					2.9000e-004	0.0000	2.9000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2118	0.1745	2.5000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	23.3925	23.3925	7.1700e-003	0.0000	23.5430

Total	0.0204	0.2118	0.1745	2.5000e-004	2.9000e-004	0.0128	0.0131	3.0000e-005	0.0118	0.0118	0.0000	23.3925	23.3925	7.1700e-003	0.0000	23.5430
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.8000e-004	1.7700e-003	5.6200e-003	0.0000	1.3000e-004	3.0000e-005	1.7000e-004	4.0000e-005	3.0000e-005	7.0000e-005	0.0000	0.4406	0.4406	0.0000	0.0000	0.4407
Worker	3.0900e-003	4.6900e-003	0.0446	6.0000e-005	4.6900e-003	6.0000e-005	4.7500e-003	1.2500e-003	5.0000e-005	1.3000e-003	0.0000	4.4488	4.4488	3.3000e-004	0.0000	4.4557
Total	3.5700e-003	6.4600e-003	0.0502	6.0000e-005	4.8200e-003	9.0000e-005	4.9200e-003	1.2900e-003	8.0000e-005	1.3700e-003	0.0000	4.8893	4.8893	3.3000e-004	0.0000	4.8963

3.16 Steel Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0519	0.5806	0.2607	6.1000e-004		0.0258	0.0258		0.0237	0.0237	0.0000	56.5472	56.5472	0.0173	0.0000	56.9111
Total	0.0519	0.5806	0.2607	6.1000e-004		0.0258	0.0258		0.0237	0.0237	0.0000	56.5472	56.5472	0.0173	0.0000	56.9111

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	0.1754	0.5561	4.9000e-004	0.0133	3.3100e-003	0.0166	3.7500e-003	3.0400e-003	6.7900e-003	0.0000	43.6174	43.6174	3.9000e-004	0.0000	43.6255
Worker	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	0.0490	0.1783	0.5839	5.3000e-004	0.0162	3.3500e-003	0.0196	4.5300e-003	3.0700e-003	7.6000e-003	0.0000	46.3979	46.3979	5.9000e-004	0.0000	46.4103

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0519	0.5806	0.2607	6.1000e-004		0.0258	0.0258		0.0237	0.0237	0.0000	56.5472	56.5472	0.0173	0.0000	56.9110
Total	0.0519	0.5806	0.2607	6.1000e-004		0.0258	0.0258		0.0237	0.0237	0.0000	56.5472	56.5472	0.0173	0.0000	56.9110

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	0.1754	0.5561	4.9000e-004	0.0133	3.3100e-003	0.0166	3.7500e-003	3.0400e-003	6.7900e-003	0.0000	43.6174	43.6174	3.9000e-004	0.0000	43.6255
Worker	1.9300e-003	2.9300e-003	0.0279	4.0000e-005	2.9300e-003	4.0000e-005	2.9700e-003	7.8000e-004	3.0000e-005	8.1000e-004	0.0000	2.7805	2.7805	2.0000e-004	0.0000	2.7848
Total	0.0490	0.1783	0.5839	5.3000e-004	0.0162	3.3500e-003	0.0196	4.5300e-003	3.0700e-003	7.6000e-003	0.0000	46.3979	46.3979	5.9000e-004	0.0000	46.4103

3.17 Structure Erection - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5090	219.5090	0.0673	0.0000	220.9214
Total	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5090	219.5090	0.0673	0.0000	220.9214

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0942	0.3507	1.1121	9.9000e-004	0.0266	6.6200e-003	0.0332	7.5100e-003	6.0700e-003	0.0136	0.0000	87.2349	87.2349	7.7000e-004	0.0000	87.2510
Worker	3.8600e-003	5.8700e-003	0.0558	8.0000e-005	5.8600e-003	7.0000e-005	5.9400e-003	1.5600e-003	7.0000e-005	1.6300e-003	0.0000	5.5610	5.5610	4.1000e-004	0.0000	5.5696

Total	0.0981	0.3566	1.1679	1.0700e-003	0.0325	6.6900e-003	0.0392	9.0700e-003	6.1400e-003	0.0152	0.0000	92.7958	92.7958	1.1800e-003	0.0000	92.8206
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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5087	219.5087	0.0673	0.0000	220.9211
Total	0.1570	1.7702	0.8434	2.3700e-003		0.0657	0.0657		0.0605	0.0605	0.0000	219.5087	219.5087	0.0673	0.0000	220.9211

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0942	0.3507	1.1121	9.9000e-004	0.0266	6.6200e-003	0.0332	7.5100e-003	6.0700e-003	0.0136	0.0000	87.2349	87.2349	7.7000e-004	0.0000	87.2510
Worker	3.8600e-003	5.8700e-003	0.0558	8.0000e-005	5.8600e-003	7.0000e-005	5.9400e-003	1.5600e-003	7.0000e-005	1.6300e-003	0.0000	5.5610	5.5610	4.1000e-004	0.0000	5.5696
Total	0.0981	0.3566	1.1679	1.0700e-003	0.0325	6.6900e-003	0.0392	9.0700e-003	6.1400e-003	0.0152	0.0000	92.7958	92.7958	1.1800e-003	0.0000	92.8206

3.18 Equipment Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0272	0.3096	0.1526	2.6000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	24.5599	24.5599	7.5300e-003	0.0000	24.7179
Total	0.0272	0.3096	0.1526	2.6000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	24.5599	24.5599	7.5300e-003	0.0000	24.7179

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	0.1754	0.5561	4.9000e-004	0.0133	3.3100e-003	0.0166	3.7500e-003	3.0400e-003	6.7900e-003	0.0000	43.6174	43.6174	3.9000e-004	0.0000	43.6255
Worker	1.5400e-003	2.3500e-003	0.0223	3.0000e-005	2.3500e-003	3.0000e-005	2.3700e-003	6.2000e-004	3.0000e-005	6.5000e-004	0.0000	2.2244	2.2244	1.6000e-004	0.0000	2.2278
Total	0.0486	0.1777	0.5784	5.2000e-004	0.0157	3.3400e-003	0.0190	4.3700e-003	3.0700e-003	7.4400e-003	0.0000	45.8418	45.8418	5.5000e-004	0.0000	45.8533

Mitigated Construction On-Site

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

Off-Road	0.0272	0.3096	0.1526	2.6000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	24.5599	24.5599	7.5300e-003	0.0000	24.7179
Total	0.0272	0.3096	0.1526	2.6000e-004		0.0157	0.0157		0.0144	0.0144	0.0000	24.5599	24.5599	7.5300e-003	0.0000	24.7179

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	0.1754	0.5561	4.9000e-004	0.0133	3.3100e-003	0.0166	3.7500e-003	3.0400e-003	6.7900e-003	0.0000	43.6174	43.6174	3.9000e-004	0.0000	43.6255
Worker	1.5400e-003	2.3500e-003	0.0223	3.0000e-005	2.3500e-003	3.0000e-005	2.3700e-003	6.2000e-004	3.0000e-005	6.5000e-004	0.0000	2.2244	2.2244	1.6000e-004	0.0000	2.2278
Total	0.0486	0.1777	0.5784	5.2000e-004	0.0157	3.3400e-003	0.0190	4.3700e-003	3.0700e-003	7.4400e-003	0.0000	45.8418	45.8418	5.5000e-004	0.0000	45.8533

3.19 Equipment Removal - 2017

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					0.0112	0.0000	0.0112	1.6900e-003	0.0000	1.6900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0246	0.2866	0.1406	3.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	29.6502	29.6502	9.0800e-003	0.0000	29.8410
Total	0.0246	0.2866	0.1406	3.2000e-004	0.0112	0.0120	0.0232	1.6900e-003	0.0111	0.0128	0.0000	29.6502	29.6502	9.0800e-003	0.0000	29.8410

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-003	0.0101	0.0187	4.0000e-005	8.3000e-004	1.9000e-004	1.0200e-003	2.3000e-004	1.7000e-004	4.0000e-004	0.0000	3.3012	3.3012	2.0000e-005	0.0000	3.3017
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	1.1200e-003	0.0107	1.0000e-005	1.1200e-003	1.0000e-005	1.1400e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	1.0659	1.0659	8.0000e-005	0.0000	1.0675
Total	2.3400e-003	0.0112	0.0294	5.0000e-005	1.9500e-003	2.0000e-004	2.1600e-003	5.3000e-004	1.8000e-004	7.1000e-004	0.0000	4.3671	4.3671	1.0000e-004	0.0000	4.3692

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.3600e-003	0.0000	4.3600e-003	6.6000e-004	0.0000	6.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0246	0.2866	0.1406	3.2000e-004		0.0120	0.0120		0.0111	0.0111	0.0000	29.6502	29.6502	9.0800e-003	0.0000	29.8410
Total	0.0246	0.2866	0.1406	3.2000e-004	4.3600e-003	0.0120	0.0164	6.6000e-004	0.0111	0.0117	0.0000	29.6502	29.6502	9.0800e-003	0.0000	29.8410

Mitigated Construction Off-Site

Vendor	1.1000e-004	4.1000e-004	1.2900e-003	0.0000	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1010	0.1010	0.0000	0.0000	0.1010
Worker	3.5000e-004	5.4000e-004	5.1100e-003	1.0000e-005	5.4000e-004	1.0000e-005	5.4000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.5098	0.5098	4.0000e-005	0.0000	0.5105
Total	4.6000e-004	9.5000e-004	6.4000e-003	1.0000e-005	5.7000e-004	2.0000e-005	5.8000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	0.6107	0.6107	4.0000e-005	0.0000	0.6115

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2300e-003	0.0704	0.0395	7.0000e-005		3.4300e-003	3.4300e-003		3.2300e-003	3.2300e-003	0.0000	5.9478	5.9478	1.7100e-003	0.0000	5.9836
Total	8.2300e-003	0.0704	0.0395	7.0000e-005		3.4300e-003	3.4300e-003		3.2300e-003	3.2300e-003	0.0000	5.9478	5.9478	1.7100e-003	0.0000	5.9836

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	1.1000e-004	4.1000e-004	1.2900e-003	0.0000	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1010	0.1010	0.0000	0.0000	0.1010
Worker	3.5000e-004	5.4000e-004	5.1100e-003	1.0000e-005	5.4000e-004	1.0000e-005	5.4000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.5098	0.5098	4.0000e-005	0.0000	0.5105
Total	4.6000e-004	9.5000e-004	6.4000e-003	1.0000e-005	5.7000e-004	2.0000e-005	5.8000e-004	1.5000e-004	2.0000e-005	1.7000e-004	0.0000	0.6107	0.6107	4.0000e-005	0.0000	0.6115

3.21 Wire Installation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1113	1.2656	0.6458	1.2900e-003		0.0574	0.0574		0.0528	0.0528	0.0000	119.5530	119.5530	0.0366	0.0000	120.3223
Total	0.1113	1.2656	0.6458	1.2900e-003		0.0574	0.0574		0.0528	0.0528	0.0000	119.5530	119.5530	0.0366	0.0000	120.3223

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0230	0.0857	0.2718	2.4000e-004	6.5000e-003	1.6200e-003	8.1200e-003	1.8400e-003	1.4800e-003	3.3200e-003	0.0000	21.3222	21.3222	1.9000e-004	0.0000	21.3262
Worker	1.4800e-003	2.2500e-003	0.0214	3.0000e-005	2.2500e-003	3.0000e-005	2.2800e-003	6.0000e-004	3.0000e-005	6.2000e-004	0.0000	2.1317	2.1317	1.6000e-004	0.0000	2.1350
Total	0.0245	0.0880	0.2932	2.7000e-004	8.7500e-003	1.6500e-003	0.0104	2.4400e-003	1.5100e-003	3.9400e-003	0.0000	23.4539	23.4539	3.5000e-004	0.0000	23.4612

Mitigated Construction On-Site

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	1.2000e-004	4.4000e-004	1.4000e-003	0.0000	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	0.1102	0.1102	0.0000	0.0000	0.1102
Worker	1.9000e-004	2.9000e-004	2.7900e-003	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2781	0.2781	2.0000e-005	0.0000	0.2785
Total	3.1000e-004	7.3000e-004	4.1900e-003	0.0000	3.2000e-004	1.0000e-005	3.4000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	0.3882	0.3882	2.0000e-005	0.0000	0.3887

3.23 Foundation Removal - 2017

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					0.0112	0.0000	0.0112	1.6900e-003	0.0000	1.6900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0164	0.1771	0.0973	2.2000e-004		8.1700e-003	8.1700e-003		7.5100e-003	7.5100e-003	0.0000	20.7380	20.7380	6.3500e-003	0.0000	20.8715
Total	0.0164	0.1771	0.0973	2.2000e-004	0.0112	8.1700e-003	0.0194	1.6900e-003	7.5100e-003	9.2000e-003	0.0000	20.7380	20.7380	6.3500e-003	0.0000	20.8715

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Worker	3.5000e-004	5.4000e-004	5.1100e-003	1.0000e-005	5.4000e-004	1.0000e-005	5.4000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	0.5098	0.5098	4.0000e-005	0.0000	0.5105
Total	1.9500e-003	0.0107	0.0238	5.0000e-005	1.3700e-003	2.0000e-004	1.5600e-003	3.7000e-004	1.8000e-004	5.5000e-004	0.0000	3.8110	3.8110	6.0000e-005	0.0000	3.8123

3.24 Right-of-way Restoration and Cleanup - 2017

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					0.0790	0.0000	0.0790	0.0435	0.0000	0.0435	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0271	0.3022	0.1920	2.9000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	26.8412	26.8412	8.2200e-003	0.0000	27.0139
Total	0.0271	0.3022	0.1920	2.9000e-004	0.0790	0.0128	0.0919	0.0435	0.0118	0.0553	0.0000	26.8412	26.8412	8.2200e-003	0.0000	27.0139

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747
Total	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747

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					0.0308	0.0000	0.0308	0.0169	0.0000	0.0169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0271	0.3022	0.1920	2.9000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	26.8411	26.8411	8.2200e-003	0.0000	27.0138
Total	0.0271	0.3022	0.1920	2.9000e-004	0.0308	0.0128	0.0437	0.0169	0.0118	0.0288	0.0000	26.8411	26.8411	8.2200e-003	0.0000	27.0138

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747
Total	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747

3.25 Right-of-way Restoration and Cleanup Transmission - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	tons/yr										MT/yr					
Fugitive Dust					0.0790	0.0000	0.0790	0.0435	0.0000	0.0435	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0271	0.3022	0.1920	2.9000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	26.8412	26.8412	8.2200e-003	0.0000	27.0139
Total	0.0271	0.3022	0.1920	2.9000e-004	0.0790	0.0128	0.0919	0.0435	0.0118	0.0553	0.0000	26.8412	26.8412	8.2200e-003	0.0000	27.0139

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747
Total	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747

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					0.0308	0.0000	0.0308	0.0169	0.0000	0.0169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0271	0.3022	0.1920	2.9000e-004		0.0128	0.0128		0.0118	0.0118	0.0000	26.8411	26.8411	8.2200e-003	0.0000	27.0138

Total	0.0271	0.3022	0.1920	2.9000e-004	0.0308	0.0128	0.0437	0.0169	0.0118	0.0288	0.0000	26.8411	26.8411	8.2200e-003	0.0000	27.0138
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747
Total	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747

3.26 Fencing - 2017

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747
Total	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747
Total	6.8000e-004	1.0300e-003	9.7600e-003	1.0000e-005	1.0300e-003	1.0000e-005	1.0400e-003	2.7000e-004	1.0000e-005	2.8000e-004	0.0000	0.9732	0.9732	7.0000e-005	0.0000	0.9747

3.27 Marshalling Yard - 2017

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.7000e-004	2.5600e-003	0.0000	2.7000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2549	0.2549	2.0000e-005	0.0000	0.2553

Total	1.8000e-004	2.7000e-004	2.5600e-003	0.0000	2.7000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2549	0.2549	2.0000e-005	0.0000	0.2553
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Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	2.7000e-004	2.5600e-003	0.0000	2.7000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2549	0.2549	2.0000e-005	0.0000	0.2553
Total	1.8000e-004	2.7000e-004	2.5600e-003	0.0000	2.7000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2549	0.2549	2.0000e-005	0.0000	0.2553

3.28 Grading - 2017

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					0.0379	0.0000	0.0379	0.0207	0.0000	0.0207	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1629	0.1064	1.6000e-004		7.5400e-003	7.5400e-003		6.9400e-003	6.9400e-003	0.0000	14.5860	14.5860	4.4700e-003	0.0000	14.6799
Total	0.0149	0.1629	0.1064	1.6000e-004	0.0379	7.5400e-003	0.0454	0.0207	6.9400e-003	0.0277	0.0000	14.5860	14.5860	4.4700e-003	0.0000	14.6799

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	4.9000e-004	4.6500e-003	1.0000e-005	4.9000e-004	1.0000e-005	4.9000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	0.4634	0.4634	3.0000e-005	0.0000	0.4641
Total	3.2000e-004	4.9000e-004	4.6500e-003	1.0000e-005	4.9000e-004	1.0000e-005	4.9000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	0.4634	0.4634	3.0000e-005	0.0000	0.4641

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					0.0148	0.0000	0.0148	8.0800e-003	0.0000	8.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1629	0.1064	1.6000e-004		7.5400e-003	7.5400e-003		6.9400e-003	6.9400e-003	0.0000	14.5860	14.5860	4.4700e-003	0.0000	14.6799
Total	0.0149	0.1629	0.1064	1.6000e-004	0.0148	7.5400e-003	0.0223	8.0800e-003	6.9400e-003	0.0150	0.0000	14.5860	14.5860	4.4700e-003	0.0000	14.6799

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	4.9000e-004	4.6500e-003	1.0000e-005	4.9000e-004	1.0000e-005	4.9000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	0.4634	0.4634	3.0000e-005	0.0000	0.4641
Total	3.2000e-004	4.9000e-004	4.6500e-003	1.0000e-005	4.9000e-004	1.0000e-005	4.9000e-004	1.3000e-004	1.0000e-005	1.4000e-004	0.0000	0.4634	0.4634	3.0000e-005	0.0000	0.4641

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7571	2.3428	8.6194	0.0110	0.5472	0.0326	0.5798	0.1478	0.0299	0.1777	0.0000	889.7113	889.7113	0.0398	0.0000	890.5478
Unmitigated	0.7571	2.3428	8.6194	0.0110	0.5472	0.0326	0.5798	0.1478	0.0299	0.1777	0.0000	889.7113	889.7113	0.0398	0.0000	890.5478

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Heavy Industry	375.00	375.00	375.00	1,448,800	1,448,800
User Defined Industrial	0.00	0.00	0.00		
Total	375.00	375.00	375.00	1,448,800	1,448,800

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Heavy Industry	14.70	6.60	6.60	59.00	28.00	13.00	92	5	3
User Defined Industrial	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.287345	0.100576	0.160740	0.161612	0.115759	0.012096	0.012835	0.131392	0.003377	0.001210	0.006560	0.001783	0.004715

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	888.4428	888.4428	0.0156	3.2200e-003	889.7671

Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	888.4428	888.4428	0.0156	3.2200e-003	889.7671
NaturalGas Mitigated	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0947	49.0947	9.4000e-004	9.0000e-004	49.3935
NaturalGas Unmitigated	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0947	49.0947	9.4000e-004	9.0000e-004	49.3935

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					
User Defined Industrial	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
General Heavy Industry	920000	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0947	49.0947	9.4000e-004	9.0000e-004	49.3935
Total		4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0947	49.0947	9.4000e-004	9.0000e-004	49.3935

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					
User Defined Industrial	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
General Heavy Industry	920000	4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0947	49.0947	9.4000e-004	9.0000e-004	49.3935
Total		4.9600e-003	0.0451	0.0379	2.7000e-004		3.4300e-003	3.4300e-003		3.4300e-003	3.4300e-003	0.0000	49.0947	49.0947	9.4000e-004	9.0000e-004	49.3935

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	1.1825e+06	888.4428	0.0156	3.2200e-003	889.7671
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		888.4428	0.0156	3.2200e-003	889.7671

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Heavy Industry	1.1825e+06	888.4428	0.0156	3.2200e-003	889.7671
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		888.4428	0.0156	3.2200e-003	889.7671

6.0 Area Detail

6.1 Mitigation Measures Area

Consumer Products	2.3374					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	2.3000e-004	2.0000e-005	2.4200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.8800e-003
Total	2.5110	2.0000e-005	2.4200e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.6100e-003	4.6100e-003	1.0000e-005	0.0000	4.8800e-003

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	253.3736	1.8876	0.0453	307.0440
Unmitigated	253.3736	1.8879	0.0453	307.0733

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	57.8125 / 0	253.3736	1.8879	0.0453	307.0733
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		253.3736	1.8879	0.0453	307.0733

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Heavy Industry	57.8125 / 0	253.3736	1.8876	0.0453	307.0440
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		253.3736	1.8876	0.0453	307.0440

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	62.9272	3.7189	0.0000	141.0239
Unmitigated	62.9272	3.7189	0.0000	141.0239

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	310	62.9272	3.7189	0.0000	141.0239
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		62.9272	3.7189	0.0000	141.0239

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Heavy Industry	310	62.9272	3.7189	0.0000	141.0239
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		62.9272	3.7189	0.0000	141.0239

9.0 Operational Offroad

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