SDG&E Tie Line 695/6971 Reconductor Project

San Diego Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	0.00	1000sqft	98.33	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.6	**Precipitation Freq (Days)**	40
Climate Zone	13			**Operational Year**	2018
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	720.49	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Selected General Light Industry as the most appropriate default land use type. Assumed that "Lot acreage" was equivalent to the total area of site disturbance as described in Section 4.3 within the document.

Construction Phase - The construction phasing is per the construction schedule within the PEA.

Off-road Equipment - Off-highway trucks = water truck, spray truck. Crew trucks and pickup trucks are included within the worker VMT calcuations.

Off-road Equipment - Off-highway trucks = water trucks (3), tractor trailer units (3), and bucket trucks (3).

Off-road Equipment - Off-road Equipment - Off-highway trucks = water trucks (2), and cement trucks (10). Crew trucks are counted in the worker VMT calculations.

Off-road Equipment - Off-highway trucks = water trucks (2), and cement trucks (10). Crew trucks are counted in the worker VMT calculations.

Off-road Equipment - Off-highway trucks = water trucks (2), tractor trailer units (2). Other construction equipment = mowers (2).

Off-road Equipment - Off-highway trucks = water trucks (3), boom trucks (3), bucket trucks (3), wire truck, pulling rig. Crew trucks and pickups are included within the worker VMT calculations.

Off-road Equipment - Off-highway trucks = water truck, bucket trucks (2), and wire dolly.

Trips and VMT - Trips and VMT-worker trips based on the max # of workers/phase. Assumed 10 haul trips/day for trenching, and 2 haul trips/day for staging yard construction. Vendor trips estimated to be 2 trips/day for each water truck/cement truck, 30 miles one-way.

Grading - Grading-site preparation activities would occur at approximately 10.25 acres total. Assumed half that amount for total acres disturbed from demobilization activities. Trenching operations will generate up to approximately 2,900 cubic yards total.

Construction Off-road Equipment Mitigation - Construction Off-road Equipment Mitigation - Mitigation measures: water exposed areas for dust control, and replace ground cover of disturbed areas.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	1,550.00	50.00
tblConstructionPhase	NumDays	1,550.00	90.00
tblConstructionPhase	NumDays	1,550.00	60.00
tblConstructionPhase	NumDays	155.00	10.00
tblConstructionPhase	NumDays	60.00	30.00
tblConstructionPhase	NumDays	60.00	40.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	9/25/2018	7/30/2018
tblConstructionPhase	PhaseEndDate	9/12/2018	7/28/2018
tblConstructionPhase	PhaseEndDate	9/14/2018	8/31/2018
tblConstructionPhase	PhaseStartDate	2/4/2018	2/5/2018
tblConstructionPhase	PhaseStartDate	7/18/2018	5/22/2018
tblConstructionPhase	PhaseStartDate	9/1/2018	7/18/2018
tblConstructionPhase	PhaseStartDate	7/31/2018	7/17/2018
tblGrading	AcresOfGrading	22.50	29.50
tblGrading	AcresOfGrading	17.50	29.50
tblLandUse	LotAcreage	0.00	98.33
tblOffRoadEquipment	OffRoadEquipmentType		Dumpers/Tenders
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	12.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	9.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	11.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	4.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Pier Foundation and Micropile Construction
tblOffRoadEquipment	PhaseName		Direct Bury Construction and Pole Installation
tblOffRoadEquipment	PhaseName		Pier Foundation and Micropile Construction
tblOffRoadEquipment	PhaseName		Direct Bury Construction and Pole Installation
tblOffRoadEquipment	PhaseName		Trenching for Installation of Underground Cables
tblOffRoadEquipment	PhaseName		Pier Foundation and Micropile Construction
tblOffRoadEquipment	PhaseName		Staging Yard Setup, Road Refinishing, Vegetation Trimming, BMP Installation
tblOffRoadEquipment	PhaseName		Staging Yard Setup, Road Refinishing, Vegetation Trimming, BMP Installation
tblOffRoadEquipment	PhaseName		Demobilization/Clean Up/Road Refreshing
tblOffRoadEquipment	PhaseName		Staging Yard Setup, Road Refinishing, Vegetation Trimming, BMP Installation
tblOffRoadEquipment	PhaseName		Pier Foundation and Micropile Construction
tblOffRoadEquipment	PhaseName		Direct Bury Construction and Pole Installation

tblOffRoadEquipment	PhaseName		Stringing Activities/Transfer Conductor/Sagging Activities
tblOffRoadEquipment	PhaseName		Demobilization/Clean Up/Road Refreshing
tblOffRoadEquipment	PhaseName		Trenching for Installation of Underground Cables
tblOffRoadEquipment	PhaseName		Staging Yard Setup, Road Refinishing, Vegetation Trimming, BMP Installatior
tblOffRoadEquipment	PhaseName		Pier Foundation and Micropile Construction
tblOffRoadEquipment	PhaseName		Pier Foundation and Micropile Construction
tblOffRoadEquipment	UsageHours	7.00	5.00
tblOffRoadEquipment	UsageHours	8.00	4.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblTripsAndVMT	HaulingTripLength	20.00	74.00
tblTripsAndVMT	HaulingTripLength	20.00	74.00
tblTripsAndVMT	HaulingTripLength	20.00	74.00
tblTripsAndVMT	HaulingTripLength	20.00	74.00
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tblTripsAndVMT	HaulingTripLength	20.00	74.00
tblTripsAndVMT	HaulingTripNumber	0.00	363.00
tblTripsAndVMT	VendorTripLength	7.30	69.00
tblTripsAndVMT	VendorTripLength	7.30	69.00
tblTripsAndVMT	VendorTripLength	7.30	69.00
tblTripsAndVMT	VendorTripLength	7.30	69.00
tblTripsAndVMT	VendorTripLength	7.30	69.00
tblTripsAndVMT	VendorTripLength	7.30	69.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	24.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00

tblTripsAndVMT	WorkerTripNumber	23.00	14.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	0.00	60.00
tblTripsAndVMT	WorkerTripNumber	0.00	24.00
tblTripsAndVMT	WorkerTripNumber	10.00	14.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.6994	7.7683	4.1935	0.0144	0.1715	0.2859	0.4574	0.0426	0.2646	0.3073	0.0000	1,289.0266	1,289.0266	0.2862	0.0000	1,295.0377
Total	**0.6994**	**7.7683**	**4.1935**	**0.0144**	**0.1715**	**0.2859**	**0.4574**	**0.0426**	**0.2646**	**0.3073**	**0.0000**	**1,289.0266**	**1,289.0266**	**0.2862**	**0.0000**	**1,295.0377**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.6994	7.7286	4.1935	0.0144	0.1473	0.2859	0.4332	0.0400	0.2646	0.3046	0.0000	1,289.0255	1,289.0255	0.2862	0.0000	1,295.0366
Total	**0.6994**	**7.7286**	**4.1935**	**0.0144**	**0.1473**	**0.2859**	**0.4332**	**0.0400**	**0.2646**	**0.3046**	**0.0000**	**1,289.0255**	**1,289.0255**	**0.2862**	**0.0000**	**1,295.0366**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.51**	**0.00**	**0.00**	**14.13**	**0.00**	**5.30**	**6.12**	**0.00**	**0.85**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**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 Operational

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

Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Staging Yard Setup, Road Refinishing, Vegetation Trimming, BMP Installation	Site Preparation	1/1/2018	2/3/2018	6	30	
2	Pier Foundation and Micropile Construction	Building Construction	2/5/2018	4/3/2018	6	50	
3	Direct Bury Construction and Pole Installation	Building Construction	4/4/2018	7/17/2018	6	90	
4	Stringing Activities/Transfer Conductor/Sagging Activities	Building Construction	5/22/2018	7/30/2018	6	60	
5	Demobilization/Clean Up/Road Refreshing	Site Preparation	7/17/2018	8/31/2018	6	40	
6	Trenching for Installation of Underground Cables	Grading	7/18/2018	7/28/2018	6	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor

Staging Yard Setup, Road Refinishing, Vegetation Trimming, BMP Installation	Dumpers/Tenders	1	3.00	16	0.38
Staging Yard Setup, Road Refinishing, Vegetation Trimming, BMP Installation	Graders	2	6.00	174	0.41
Staging Yard Setup, Road Refinishing, Vegetation Trimming, BMP Installation	Off-Highway Trucks	4	3.00	400	0.38
Staging Yard Setup, Road Refinishing, Vegetation Trimming, BMP Installation	Other Construction Equipment	2	7.00	171	0.42
Pier Foundation and Micropile Construction	Air Compressors	3	5.00	78	0.48
Pier Foundation and Micropile Construction	Bore/Drill Rigs	3	7.00	205	0.50
Pier Foundation and Micropile Construction	Cement and Mortar Mixers	1	4.00	9	0.56
Pier Foundation and Micropile Construction	Forklifts	3	4.00	89	0.20
Pier Foundation and Micropile Construction	Off-Highway Trucks	12	3.00	400	0.38
Direct Bury Construction and Pole Installation	Air Compressors	3	3.00	78	0.48
Direct Bury Construction and Pole Installation	Bore/Drill Rigs	3	7.00	205	0.50
Direct Bury Construction and Pole Installation	Cranes	3	5.00	226	0.29
Direct Bury Construction and Pole Installation	Off-Highway Trucks	9	4.00	400	0.38
Stringing Activities/Transfer Conductor/Sagging Activities	Off-Highway Trucks	11	4.00	400	0.38
Demobilization/Clean Up/Road Refreshing	Graders	1	7.00	174	0.41
Demobilization/Clean Up/Road Refreshing	Off-Highway Trucks	2	6.00	400	0.38
Demobilization/Clean Up/Road Refreshing	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Trenching for Installation of Underground Cables	Bore/Drill Rigs	1	6.00	205	0.50
Trenching for Installation of Underground Cables	Off-Highway Trucks	4	3.00	400	0.38
Trenching for Installation of Underground Cables	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Pier Foundation and Micropile Construction	Dumpers/Tenders	1	4.00	16	0.38
Pier Foundation and Micropile Construction	Excavators	1	4.00	162	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Staging Yard Setup, Road Refinishing, Vegetation Trimming, BMP Installation	9	14.00	2.00	0.00	10.80	69.00	74.00	LD_Mix	HDT_Mix	HHDT
Pier Foundation and Micropile Construction	22	12.00	8.00	0.00	10.80	69.00	74.00	LD_Mix	HDT_Mix	HHDT
Direct Bury Construction and Pole Installation	18	60.00	24.00	0.00	10.80	69.00	74.00	LD_Mix	HDT_Mix	HHDT
Stringing Activities/Transfer Conductor/Sagging Activities	11	24.00	6.00	0.00	10.80	69.00	74.00	LD_Mix	HDT_Mix	HHDT

Demobilization/Clean Up/Road Refreshing	4	14.00	2.00	0.00	10.80	69.00	74.00	LD_Mix	HDT_Mix	HHDT
Trenching for Installation of Underground Cables	8	16.00	2.00	363.00	10.80	69.00	74.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

3.2 Staging Yard Setup, Road Refinishing, Vegetation Trimming, BMP Installation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0156	0.0000	0.0156	1.6900e-003	0.0000	1.6900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0510	0.5341	0.3090	6.0000e-004		0.0257	0.0257		0.0237	0.0237	0.0000	54.8092	54.8092	0.0170	0.0000	55.1662
Total	**0.0510**	**0.5341**	**0.3090**	**6.0000e-004**	**0.0156**	**0.0257**	**0.0414**	**1.6900e-003**	**0.0237**	**0.0254**	**0.0000**	**54.8092**	**54.8092**	**0.0170**	**0.0000**	**55.1662**

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	1.1100e-003	0.0176	8.6500e-003	6.0000e-005	1.8400e-003	3.2000e-004	2.1500e-003	5.3000e-004	2.9000e-004	8.2000e-004	0.0000	5.5277	5.5277	4.0000e-005	0.0000	5.5284
Worker	5.9000e-004	7.9000e-004	7.4000e-003	2.0000e-005	1.6800e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.4521	1.4521	7.0000e-005	0.0000	1.4536

Total	**1.7000e-003**	**0.0184**	**0.0161**	**8.0000e-005**	**3.5200e-003**	**3.3000e-004**	**3.8500e-003**	**9.8000e-004**	**3.0000e-004**	**1.2800e-003**	**0.0000**	**6.9797**	**6.9797**	**1.1000e-004**	**0.0000**	**6.9820**

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					3.5200e-003	0.0000	3.5200e-003	3.8000e-004	0.0000	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0510	0.5341	0.3090	6.0000e-004		0.0257	0.0257		0.0237	0.0237	0.0000	54.8092	54.8092	0.0170	0.0000	55.1662
Total	**0.0510**	**0.5341**	**0.3090**	**6.0000e-004**	**3.5200e-003**	**0.0257**	**0.0293**	**3.8000e-004**	**0.0237**	**0.0241**	**0.0000**	**54.8092**	**54.8092**	**0.0170**	**0.0000**	**55.1662**

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	1.1100e-003	0.0176	8.6500e-003	6.0000e-005	1.8400e-003	3.2000e-004	2.1500e-003	5.3000e-004	2.9000e-004	8.2000e-004	0.0000	5.5277	5.5277	4.0000e-005	0.0000	5.5284
Worker	5.9000e-004	7.9000e-004	7.4000e-003	2.0000e-005	1.6800e-003	1.0000e-005	1.7000e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.4521	1.4521	7.0000e-005	0.0000	1.4536
Total	**1.7000e-003**	**0.0184**	**0.0161**	**8.0000e-005**	**3.5200e-003**	**3.3000e-004**	**3.8500e-003**	**9.8000e-004**	**3.0000e-004**	**1.2800e-003**	**0.0000**	**6.9797**	**6.9797**	**1.1000e-004**	**0.0000**	**6.9820**

3.3 Pier Foundation and Micropile Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1356	1.4219	0.8079	2.3800e-003		0.0577	0.0577		0.0539	0.0539	0.0000	215.6687	215.6687	0.0634	0.0000	217.0008
Total	**0.1356**	**1.4219**	**0.8079**	**2.3800e-003**		**0.0577**	**0.0577**		**0.0539**	**0.0539**	**0.0000**	**215.6687**	**215.6687**	**0.0634**	**0.0000**	**217.0008**

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	7.4300e-003	0.1172	0.0577	4.2000e-004	0.0123	2.1100e-003	0.0144	3.5000e-003	1.9400e-003	5.4400e-003	0.0000	36.8511	36.8511	2.4000e-004	0.0000	36.8561
Worker	8.5000e-004	1.1300e-003	0.0106	3.0000e-005	2.4100e-003	2.0000e-005	2.4200e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.0744	2.0744	1.0000e-004	0.0000	2.0765
Total	**8.2800e-003**	**0.1183**	**0.0682**	**4.5000e-004**	**0.0147**	**2.1300e-003**	**0.0168**	**4.1400e-003**	**1.9600e-003**	**6.1000e-003**	**0.0000**	**38.9254**	**38.9254**	**3.4000e-004**	**0.0000**	**38.9326**

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	0.1356	1.3822	0.8079	2.3800e-003		0.0577	0.0577		0.0539	0.0539	0.0000	215.6685	215.6685	0.0634	0.0000	217.0005
Total	**0.1356**	**1.3822**	**0.8079**	**2.3800e-003**		**0.0577**	**0.0577**		**0.0539**	**0.0539**	**0.0000**	**215.6685**	**215.6685**	**0.0634**	**0.0000**	**217.0005**

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	7.4300e-003	0.1172	0.0577	4.2000e-004	0.0123	2.1100e-003	0.0144	3.5000e-003	1.9400e-003	5.4400e-003	0.0000	36.8511	36.8511	2.4000e-004	0.0000	36.8561
Worker	8.5000e-004	1.1300e-003	0.0106	3.0000e-005	2.4100e-003	2.0000e-005	2.4200e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.0744	2.0744	1.0000e-004	0.0000	2.0765
Total	**8.2800e-003**	**0.1183**	**0.0682**	**4.5000e-004**	**0.0147**	**2.1300e-003**	**0.0168**	**4.1400e-003**	**1.9600e-003**	**6.1000e-003**	**0.0000**	**38.9254**	**38.9254**	**3.4000e-004**	**0.0000**	**38.9326**

3.4 Direct Bury Construction and Pole Installation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2561	2.8356	1.4091	4.3700e-003		0.1088	0.1088		0.1009	0.1009	0.0000	397.6270	397.6270	0.1201	0.0000	400.1482
Total	**0.2561**	**2.8356**	**1.4091**	**4.3700e-003**		**0.1088**	**0.1088**		**0.1009**	**0.1009**	**0.0000**	**397.6270**	**397.6270**	**0.1201**	**0.0000**	**400.1482**

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	0.0401	0.6328	0.3114	2.2500e-003	0.0662	0.0114	0.0776	0.0189	0.0105	0.0294	0.0000	198.9957	198.9957	1.2900e-003	0.0000	199.0229
Worker	7.6300e-003	0.0101	0.0951	2.7000e-004	0.0217	1.6000e-004	0.0218	5.7500e-003	1.5000e-004	5.9000e-003	0.0000	18.6694	18.6694	9.2000e-004	0.0000	18.6886
Total	**0.0477**	**0.6430**	**0.4065**	**2.5200e-003**	**0.0878**	**0.0115**	**0.0994**	**0.0247**	**0.0106**	**0.0353**	**0.0000**	**217.6651**	**217.6651**	**2.2100e-003**	**0.0000**	**217.7115**

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	0.2561	2.8356	1.4091	4.3700e-003		0.1088	0.1088		0.1009	0.1009	0.0000	397.6265	397.6265	0.1201	0.0000	400.1477
Total	**0.2561**	**2.8356**	**1.4091**	**4.3700e-003**		**0.1088**	**0.1088**		**0.1009**	**0.1009**	**0.0000**	**397.6265**	**397.6265**	**0.1201**	**0.0000**	**400.1477**

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	0.0401	0.6328	0.3114	2.2500e-003	0.0662	0.0114	0.0776	0.0189	0.0105	0.0294	0.0000	198.9957	198.9957	1.2900e-003	0.0000	199.0229
Worker	7.6300e-003	0.0101	0.0951	2.7000e-004	0.0217	1.6000e-004	0.0218	5.7500e-003	1.5000e-004	5.9000e-003	0.0000	18.6694	18.6694	9.2000e-004	0.0000	18.6886
Total	**0.0477**	**0.6430**	**0.4065**	**2.5200e-003**	**0.0878**	**0.0115**	**0.0994**	**0.0247**	**0.0106**	**0.0353**	**0.0000**	**217.6651**	**217.6651**	**2.2100e-003**	**0.0000**	**217.7115**

3.5 Stringing Activities/Transfer Conductor/Sagging Activities - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1270	1.3668	0.6898	2.1700e-003		0.0499	0.0499		0.0459	0.0459	0.0000	198.0341	198.0341	0.0617	0.0000	199.3287
Total	**0.1270**	**1.3668**	**0.6898**	**2.1700e-003**		**0.0499**	**0.0499**		**0.0459**	**0.0459**	**0.0000**	**198.0341**	**198.0341**	**0.0617**	**0.0000**	**199.3287**

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	6.6900e-003	0.1055	0.0519	3.7000e-004	0.0110	1.9000e-003	0.0129	3.1500e-003	1.7400e-003	4.9000e-003	0.0000	33.1660	33.1660	2.2000e-004	0.0000	33.1705
Worker	2.0300e-003	2.7100e-003	0.0254	7.0000e-005	5.7700e-003	4.0000e-005	5.8200e-003	1.5300e-003	4.0000e-005	1.5700e-003	0.0000	4.9785	4.9785	2.4000e-004	0.0000	4.9836

Total	**8.7200e-003**	**0.1082**	**0.0773**	**4.4000e-004**	**0.0168**	**1.9400e-003**	**0.0188**	**4.6800e-003**	**1.7800e-003**	**6.4700e-003**	**0.0000**	**38.1445**	**38.1445**	**4.6000e-004**	**0.0000**	**38.1541**

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	0.1270	1.3668	0.6898	2.1700e-003		0.0499	0.0499		0.0459	0.0459	0.0000	198.0338	198.0338	0.0617	0.0000	199.3285
Total	**0.1270**	**1.3668**	**0.6898**	**2.1700e-003**		**0.0499**	**0.0499**		**0.0459**	**0.0459**	**0.0000**	**198.0338**	**198.0338**	**0.0617**	**0.0000**	**199.3285**

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	6.6900e-003	0.1055	0.0519	3.7000e-004	0.0110	1.9000e-003	0.0129	3.1500e-003	1.7400e-003	4.9000e-003	0.0000	33.1660	33.1660	2.2000e-004	0.0000	33.1705
Worker	2.0300e-003	2.7100e-003	0.0254	7.0000e-005	5.7700e-003	4.0000e-005	5.8200e-003	1.5300e-003	4.0000e-005	1.5700e-003	0.0000	4.9785	4.9785	2.4000e-004	0.0000	4.9836
Total	**8.7200e-003**	**0.1082**	**0.0773**	**4.4000e-004**	**0.0168**	**1.9400e-003**	**0.0188**	**4.6800e-003**	**1.7800e-003**	**6.4700e-003**	**0.0000**	**38.1445**	**38.1445**	**4.6000e-004**	**0.0000**	**38.1541**

3.6 Demobilization/Clean Up/Road Refreshing - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0156	0.0000	0.0156	1.6900e-003	0.0000	1.6900e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0416	0.4334	0.2422	5.5000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	50.1976	50.1976	0.0156	0.0000	50.5258
Total	**0.0416**	**0.4334**	**0.2422**	**5.5000e-004**	**0.0156**	**0.0200**	**0.0357**	**1.6900e-003**	**0.0184**	**0.0201**	**0.0000**	**50.1976**	**50.1976**	**0.0156**	**0.0000**	**50.5258**

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	1.4900e-003	0.0234	0.0115	8.0000e-005	2.4500e-003	4.2000e-004	2.8700e-003	7.0000e-004	3.9000e-004	1.0900e-003	0.0000	7.3702	7.3702	5.0000e-005	0.0000	7.3712
Worker	7.9000e-004	1.0500e-003	9.8600e-003	3.0000e-005	2.2500e-003	2.0000e-005	2.2600e-003	6.0000e-004	2.0000e-005	6.1000e-004	0.0000	1.9361	1.9361	1.0000e-004	0.0000	1.9381
Total	**2.2800e-003**	**0.0245**	**0.0214**	**1.1000e-004**	**4.7000e-003**	**4.4000e-004**	**5.1300e-003**	**1.3000e-003**	**4.1000e-004**	**1.7000e-003**	**0.0000**	**9.3063**	**9.3063**	**1.5000e-004**	**0.0000**	**9.3093**

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					3.5200e-003	0.0000	3.5200e-003	3.8000e-004	0.0000	3.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0416	0.4334	0.2422	5.5000e-004		0.0200	0.0200		0.0184	0.0184	0.0000	50.1975	50.1975	0.0156	0.0000	50.5257
Total	**0.0416**	**0.4334**	**0.2422**	**5.5000e-004**	**3.5200e-003**	**0.0200**	**0.0236**	**3.8000e-004**	**0.0184**	**0.0188**	**0.0000**	**50.1975**	**50.1975**	**0.0156**	**0.0000**	**50.5257**

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	1.4900e-003	0.0234	0.0115	8.0000e-005	2.4500e-003	4.2000e-004	2.8700e-003	7.0000e-004	3.9000e-004	1.0900e-003	0.0000	7.3702	7.3702	5.0000e-005	0.0000	7.3712
Worker	7.9000e-004	1.0500e-003	9.8600e-003	3.0000e-005	2.2500e-003	2.0000e-005	2.2600e-003	6.0000e-004	2.0000e-005	6.1000e-004	0.0000	1.9361	1.9361	1.0000e-004	0.0000	1.9381
Total	**2.2800e-003**	**0.0245**	**0.0214**	**1.1000e-004**	**4.7000e-003**	**4.4000e-004**	**5.1300e-003**	**1.3000e-003**	**4.1000e-004**	**1.7000e-003**	**0.0000**	**9.3063**	**9.3063**	**1.5000e-004**	**0.0000**	**9.3093**

3.7 Trenching for Installation of Underground Cables - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1112	0.0693	1.7000e-004		5.1300e-003	5.1300e-003		4.7200e-003	4.7200e-003	0.0000	15.7058	15.7058	4.8900e-003	0.0000	15.8084
Total	**0.0103**	**0.1112**	**0.0693**	**1.7000e-004**	**0.0000**	**5.1300e-003**	**5.1300e-003**	**0.0000**	**4.7200e-003**	**4.7200e-003**	**0.0000**	**15.7058**	**15.7058**	**4.8900e-003**	**0.0000**	**15.8084**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	8.5000e-003	0.1468	0.0710	4.9000e-004	0.0115	2.2100e-003	0.0137	3.1400e-003	2.0300e-003	5.1700e-003	0.0000	43.5676	43.5676	2.9000e-004	0.0000	43.5736
Vendor	3.7000e-004	5.8600e-003	2.8800e-003	2.0000e-005	6.1000e-004	1.1000e-004	7.2000e-004	1.8000e-004	1.0000e-004	2.7000e-004	0.0000	1.8426	1.8426	1.0000e-005	0.0000	1.8428
Worker	2.3000e-004	3.0000e-004	2.8200e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5532	0.5532	3.0000e-005	0.0000	0.5537
Total	**9.1000e-003**	**0.1529**	**0.0767**	**5.2000e-004**	**0.0127**	**2.3200e-003**	**0.0150**	**3.4900e-003**	**2.1300e-003**	**5.6100e-003**	**0.0000**	**45.9633**	**45.9633**	**3.3000e-004**	**0.0000**	**45.9702**

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	0.0103	0.1112	0.0693	1.7000e-004		5.1300e-003	5.1300e-003		4.7200e-003	4.7200e-003	0.0000	15.7057	15.7057	4.8900e-003	0.0000	15.8084
Total	**0.0103**	**0.1112**	**0.0693**	**1.7000e-004**	**0.0000**	**5.1300e-003**	**5.1300e-003**	**0.0000**	**4.7200e-003**	**4.7200e-003**	**0.0000**	**15.7057**	**15.7057**	**4.8900e-003**	**0.0000**	**15.8084**

Mitigated Construction Off-Site

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

Category	tons/yr										MT/yr					
Hauling	8.5000e-003	0.1468	0.0710	4.9000e-004	0.0115	2.2100e-003	0.0137	3.1400e-003	2.0300e-003	5.1700e-003	0.0000	43.5676	43.5676	2.9000e-004	0.0000	43.5736
Vendor	3.7000e-004	5.8600e-003	2.8800e-003	2.0000e-005	6.1000e-004	1.1000e-004	7.2000e-004	1.8000e-004	1.0000e-004	2.7000e-004	0.0000	1.8426	1.8426	1.0000e-005	0.0000	1.8428
Worker	2.3000e-004	3.0000e-004	2.8200e-003	1.0000e-005	6.4000e-004	0.0000	6.5000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.5532	0.5532	3.0000e-005	0.0000	0.5537
Total	**9.1000e-003**	**0.1529**	**0.0767**	**5.2000e-004**	**0.0127**	**2.3200e-003**	**0.0150**	**3.4900e-003**	**2.1300e-003**	**5.6100e-003**	**0.0000**	**45.9633**	**45.9633**	**3.3000e-004**	**0.0000**	**45.9702**

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

4.2 Trip Summary Information

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

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.511818	0.073499	0.191840	0.131575	0.036332	0.005186	0.012677	0.022513	0.001864	0.002072	0.006564	0.000601	0.003458

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

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

5.3 Energy by Land Use - Electricity

Unmitigated

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

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

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

6.2 Area by SubCategory

Unmitigated

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

SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	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**

7.0 Water Detail

7.1 Mitigation Measures Water

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

Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

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

Mitigated

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

8.2 Waste by Land Use

Unmitigated

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

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			

General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Vegetation