

APPENDIX 4.3-A: AIR QUALITY AND GREENHOUSE GAS ASSESSMENT

Activity	People	Start/End Date (tr of days)	# of Truck Deliveries	Acres of Ground Disturbances	Equipment	Quantity	Equipment Horsepower Rating	Hours of Use Per Day	Total Hours of Use	Assumed: CALLED/MOD (Construction) Phase Type	Assumed: CALLED/MOD Construction Equipment
01 Pre-Construction Activities (Staging Yard Setup, Road Refreshing, Vegetation Trimming/BMP Installation)	2 Crew of 4-5 (8 Total)	12/30/2019 - 02/07/2020	Total deliveries for all segments: 80 per day 1st month, then intermittent	Approximately 2.84 acres (subject to change per finalization of staging yard locations)	dump truck	2	250	3	6		Off-highway truck
					excavator	2	162	3	6		Excavators
					loader	2	37	4	8		Tractors/Loaders/Backhoes
02 Access Road Construction/Refreshing	1 Crew of 4-5	01/21/2020 - 04/16/2020	2/Day	(no new access road construction - only existing road)	motor grader	2	174	5	10	Grading	Graders
					pickup truck	2	250	5	10		Off-highway truck
					water truck	1	250	4	4		Off-highway truck
03 Material Haul	1 Crew of 5	01/21/2020 - 03/02/2020	See individual activities for number of deliveries	0	tractor/trailer unit	1	250	4	4	Grading	Tractors/Loaders/Backhoes
					pickup truck	2	250	5	10		Off-highway truck
					water truck	1	250	4	4		Off-highway truck
04.1 Auger Holes, Direct Bury Poles	2 Crews of 4-5 (8 Total)	01/21/2020 - 07/27/2020	Deliveries - 1 every other day	0.18 acres (based on 25 direct bury poles depicted in Table 3-2 in PD-20-foot work area translates to 314 sf per pole)	air compressor	2	78	4	8	Grading	Air Compressor
					boom truck	2	250	6	12		Off-highway truck
					drilling rig	2	82	6	12		Bore/Drill Rigs
04.2 Auger Holes, Direct Bury Poles	2 Crews of 4-5 (8 Total)	02/28/2020 - 04/10/2020	Deliveries - 1 per day	0.04 acres (based on 5 direct bury poles depicted in Table 3-2 in PD-20-foot work area translates to 314 sf per pole)	air compressor	2	78	4	8	Grading	Air Compressor
					boom truck	2	250	6	12		Off-highway truck
					drilling rig	2	82	6	12		Bore/Drill Rigs
04.3 Auger Holes, Direct Bury Poles	2 Crews of 4-5 (8 Total)	4/10/2020 - 4/13/2020	Deliveries - 1 per day	0.01 acres (based on 1 direct bury poles depicted in Table 3-2 in PD-20-foot work area translates to 314 sf per pole)	air compressor	2	78	4	8	Grading	Air Compressor
					boom truck	2	250	6	12		Off-highway truck
					drilling rig	2	82	6	12		Bore/Drill Rigs
05.1 Foundation Construction (Pier)	1 Crew of 4-5	01/21/2020 - 03/26/2020	Seg. 1 (10) fndt poles (10) deliveries for rebar & anchor bolt cages (30) deliveries for concrete throat Jan, Feb, & March	0.06 acres (based on 9 pier foundations depicted in Table 3-2 of PD-20-foot work area translates to 314 sf per area)	excavator	1	162	4	12	Grading	Excavators
					forklift	1	83	3	9		Forklifts
					generator	1	84	3	9		Generator Set
05.2 Foundation Construction (Pier)	1 Crew of 4-5	03/27/2020 - 07/13/2020	Seg. 2 (11) fndt poles (11) deliveries for rebar & anchor bolt cages (33) deliveries for concrete	0.07 acres (based on 10 pier foundations depicted in Table 3-2 of PD-20-foot work area translates to 314 sf per area)	excavator	1	162	4	12	Grading	Excavators
					forklift	1	83	3	9		Forklifts
					generator	1	84	3	9		Generator Set

Activity	People	Start/End Date (tr of days)	# of Truck Deliveries throughout March, April, May	Acres of Ground Disturbance (per acre)	Equipment	Quantity	Equipment Horsepower Rating	Hours of Use Per Day	Total Hours of Use	Assumed: CALLED/MOD (Construction) Phase Type	Assumed: CALLED/MOD Construction Equipment
05.3 Foundation Construction (Pier) (Approximately 2 Poles)	1 Crew of 4-5	06/01/2020 - 06/15/2020	Seg. 3 (4) fndt poles (4) deliveries for rebar & anchor bolt cages (12) deliveries: throught May & June	0.03 acres (based on 4 pier foundations depicted in Table 3.2 of PD; 20-foot work area translates to 314 sf per area)	air compressor boom truck drilling rig excavator forklift generator leader pickup truck water truck	1 1 1 1 1 1 1 1	37 250 250 78 250 82 162 83 84 37 250 250	3 4 3 4 7 4 3 3 3 4 3 3	9 12 9 12 21 12 9 9 9 12 9	Tractors/Loader/Backhoes OH-Highway trucks OH-Highway trucks Air Compressors OH-Highway trucks Bore/Drill Rigs Excavators Forklifts Generator Set Tractors/Loader/Backhoes OH-Highway trucks OH-Highway trucks	
06.1 Structure Installation and Assembly, Per Crew, 2 Crews Required (Included old pole removal) - Approximately 35 new structures to assemble and install for Segment 1	2 Crews of 4-5 (8-10 Total)	02/28/2020 - 04/10/2020	None	No ground disturbance for 27 sites next to road - 1750 sq ft ea for 8 poles (includes pole locations for pole top work, anchor work, and overhead pole work areas already disturbed during foundation construction and auger holes this would include fndt disturbance)	pickup truck bucket truck line truck helicopter medium duty boom truck	2 3 2 0 3	250 250 250 250 250	4 6 5 4 6	8 18 10 4 18	OH-Highway trucks OH-Highway trucks OH-Highway trucks Not Included OH-Highway trucks	
06.2 Structure Installation and Assembly, Per Crew, 2 Crews Required (Included old pole removal) - Approximately 16 new structures to assemble and install for Segment 2	2 Crews of 4-5 (8-10 Total)	04/13/2020 - 07/15/2020	25 deliveries intermittent for March, April, May	28,000 sq ft (includes pole locations for pole top work, anchor work, and overhead pole work areas already disturbed during foundation construction and auger holes this would include fndt disturbance)	pickup truck bucket truck line truck helicopter medium duty boom truck	2 3 2 1 3	250 250 250 250 250	4 6 5 4 6	8 18 10 4 18	OH-Highway trucks OH-Highway trucks OH-Highway trucks Not Included OH-Highway trucks	
06.3 Structure Installation and Assembly, Per Crew, 2 Crews Required (Included old pole removal) - Approximately 8 new structures to assemble and install for Segment 3	2 Crews of 4-5 (8-10 Total)	06/08/2020 - 07/15/2020	6 Deliveries for July	14,000 sq ft (includes pole locations for pole top work, anchor work, and overhead pole work areas already disturbed during foundation construction and auger holes this would include fndt disturbance)	pickup truck bucket truck line truck helicopter medium duty boom truck	2 3 2 1 3	250 250 250 250 250	4 6 5 4 6	8 18 10 4 18	OH-Highway trucks OH-Highway trucks OH-Highway trucks Not Included OH-Highway trucks	
07.1 Stringing Activities/Transfer Conductor/Sagging Activities (Includes removal of old conductor) - Approximately 35 structures re-conductored/re-energized for Segment 1	2 Crews of 4-5 (8-10 Total)	04/13/2020 - 06/26/2020	Approximately (4) pulls for 69kv and (4) pulls for U-build (36) deliveries for removal and new conductor	10,900 sq ft (subject to change based on stringing site finalization)	boom truck double-bull-wheel tensioned (heavy) drum pulley forklift line truck pickup truck water truck wire truck	2 1 1 1 2 2 1	250 300 300 83 250 250 82	6 6 3 3 4 4 5	12 6 6 3 8 4 5	OH-Highway trucks Other construction equipment Other construction equipment Forklifts OH-Highway trucks OH-Highway trucks OH-Highway trucks	
07.2 Stringing Activities/Transfer Conductor/Sagging Activities (Includes removal of old conductor) - Approximately 38 structures re-conductored/re-energized for Segment 3	2 Crews of 4-5 (8-10 Total)	06/29/2020 - 08/12/2020	Approximately (6) pulls and (45) deliveries (includes removal of existing conductor)	33,000 sq ft (subject to change based on stringing site finalization)	boom truck double-bull-wheel tensioned (heavy) drum pulley forklift line truck pickup truck water truck wire truck	2 1 1 1 2 2 1	250 300 300 83 250 250 82	6 6 3 3 4 4 5	12 6 6 3 8 4 5	OH-Highway trucks Other construction equipment Other construction equipment Forklifts OH-Highway trucks OH-Highway trucks OH-Highway trucks	
07.3 Stringing Activities/Transfer Conductor/Sagging Activities	2 Crews		Approximately (3) pulls for	10,000 sq ft (subject to change based on stringing site finalization)	boom truck double-bull-wheel tensioned (heavy) drum pulley	2 1 1	250 300 300	6 6 6	12 6 6	OH-Highway trucks Other construction equipment Other construction equipment	

Activity	People	Start/End Date (tr of days)	# of Truck Deliveries	Acres of Ground Disturbances	Equipment	Quantity	Equipment Horsepower Rating	Hours of Use Per Day	Total Hours of Use	Assumed CALLED/MOD (Construction) Phase Type	Assumed CALLED/MOD Construction Equipment	
Includes removal of old conductor - Approximately 16 structures re-conductorized/re-energized for Segment 2	1 Crew of 4-5 (8-10 Total)	08/13/2020 - 09/28/2020	Approximately 17 poles for 69kv and (10) deliveries for new conductor	change based on 2005-2019 project stringing site finalization)	forklift	1	83	3	3	Use	Grading	Forklifts
					line truck	2	250	4	8	OH-Highway trucks		
					pickup truck	2	250	4	8	OH-Highway trucks		
					water truck	1	250	4	4	OH-Highway trucks		
					wire truck	1	82	5	5	OH-Highway trucks		
					concrete truck	2	400	3	6	OH-Highway trucks		
					crane	1	226	4	4	Cranes		
					dump truck	1	250	3	3	OH-Highway trucks		
					line truck	1	250	4	4	OH-Highway trucks		
					water truck	1	250	3	3	OH-Highway trucks		
08 Trenching for installation of Underground Cables	1 Crew (4-5 Total)	03/02/2020 - 07/15/2020	TBD	0.08 acres (based on maximum of 500 feet of trench at any one time; Trenches would be a maximum of 7 feet wide)	wire dolly	1	82	3	3	Grading (so it would show up in the dust from material movement)	OH-Highway trucks	
					pulling rig	1	82	4	4	Other construction equipment		
					backhoe	1	97	3	3	Other construction equipment		
					backhoe	1	97	4	4	Tractors/Loaders/backhoes		
					backhoe	1	97	4	4	Tractors/Loaders/backhoes		
					dump truck	1	400	5	5	OH-Highway trucks		
					excavator loader	1	162	4	4	Excavators		
					motor grader	1	37	4	4	Tractors/Loaders/backhoes		
					mower	1	174	4	4	Graders		
					9.1 Demobilization/Right-of-Way Restoration and Cleanup/Road Refreshing	2 Crews of 4-5 (8-10 Total)	6/29/2020 - 08/13/2020	(20) Deliveries, replace MP's, etc.	0	pickup truck	2	250
tractor/ trailer unit	1	250	4	4						OH-Highway trucks		
water truck	1	250	4	4						Tractors/Loaders/backhoes		
backhoe	1	97	4	4						OH-Highway trucks		
backhoe	1	97	4	4						Tractors/Loaders/backhoes		
dump truck	1	400	5	5						OH-Highway trucks		
excavator loader	1	162	4	4						Excavators		
motor grader	1	37	4	4						Tractors/Loaders/backhoes		
mower	1	174	4	4						Graders		
9.2 Demobilization/Right-of-Way Restoration and Cleanup/Road Refreshing	2 Crews of 4-5 (8-10 Total)	9/29/2020 - 11/12/2020	(20) Deliveries, replace MP's, etc.	0						pickup truck	2	250
					tractor/ trailer unit	1	250	4	4	OH-Highway trucks		
					water truck	1	250	4	4	Tractors/Loaders/backhoes		
					backhoe	1	97	4	4	OH-Highway trucks		
					backhoe	1	97	4	4	Tractors/Loaders/backhoes		
					dump truck	1	400	5	5	OH-Highway trucks		
					excavator loader	1	162	4	4	Excavators		
					motor grader	1	37	4	4	Tractors/Loaders/backhoes		
					mower	1	174	4	4	Graders		
					9.3 Demobilization/Right-of-Way Restoration and Cleanup/Road Refreshing	2 Crews of 4-5 (8-10 Total)	08/14/2020 - 10/15/2020	(20) Deliveries, replace MP's, etc.	0	pickup truck	2	250
tractor/ trailer unit	1	250	4	4						OH-Highway trucks		
water truck	1	250	4	4						Tractors/Loaders/backhoes		
backhoe	1	97	4	4						OH-Highway trucks		
backhoe	1	97	4	4						Tractors/Loaders/backhoes		
dump truck	1	400	5	5						OH-Highway trucks		
excavator loader	1	162	4	4						Excavators		
motor grader	1	37	4	4						Tractors/Loaders/backhoes		
mower	1	174	4	4						Graders		
10.1 Substation Work (San Marcos) below grade	1 Crew of 4	03/28/2020 - 03/19/2020	1/day	0						water truck	1	250
					cement truck	1	250	4	4	OH-Highway trucks		
					drill rig	1	250	4	4	Bore/Drill Rigs		
					ditch witch	1	250	3	3	Trenchers		
					crew truck	1	250	1	1	OH-Highway trucks		
					assist truck	1	250	1	1	OH-Highway trucks		
					boom truck	1	250	3	3	OH-Highway trucks		
					bucket truck	1	250	3	3	OH-Highway trucks		
					crew truck	1	250	1	1	OH-Highway trucks		
					10.2 Substation Work (San Marcos) above grade	1 Crew of 6	3/20/2020 - 04/09/2020	1/day	0	assist truck	1	250
boom truck	1	250	3	3						OH-Highway trucks		
bucket truck	1	250	3	3						OH-Highway trucks		
pick up truck	2	250	1	2						OH-Highway trucks		
van	1	250	1	1						OH-Highway trucks		
pick up truck	1	250	1	1						OH-Highway trucks		
pick up truck	1	250	1	1						OH-Highway trucks		
water truck	1	250	1	1						OH-Highway trucks		
cement truck	1	250	4	4						OH-Highway trucks		
10.3 Substation Work (Escondido)	1 Crew	6/6/2020 - 06/26/2020	1/day	0						crew truck	1	250
					assist truck	1	250	1	1	OH-Highway trucks		
					boom truck	1	250	3	3	OH-Highway trucks		
					bucket truck	1	250	3	3	OH-Highway trucks		
					crew truck	1	250	1	1	OH-Highway trucks		
					assist truck	1	250	1	1	OH-Highway trucks		
					boom truck	1	250	3	3	OH-Highway trucks		
					bucket truck	1	250	3	3	OH-Highway trucks		
					pick up truck	2	250	1	2	OH-Highway trucks		
					van	1	250	1	1	OH-Highway trucks		
pick up truck	1	250	1	1	OH-Highway trucks							
pick up truck	1	250	1	1	OH-Highway trucks							
water truck	1	250	1	1	OH-Highway trucks							
cement truck	1	250	4	4	OH-Highway trucks							

Activity	People	Start/End Date (tr of days)	# of Truck Deliveries	Acres of Ground Disturbances	Equipment	Quantity	Equipment Horsepower Rating	Hours of Use Per Day	Total Hours of Use	Assumed CALLED/MOD (Construction) Phase Type	Assumed CALLED/MOD Construction Equipment
below grade	of 4				drill rig ditch witch	1	250	4	4		Bore/Drill Rigs Trenchers
	1 Crew of 5			0	crew truck assist truck boom truck bucket truck	1	250	1	1	Building Construction	OH-Highway trucks OH-Highway trucks OH-Highway trucks
10.4 Substation Work (Escondido) above grade	1 Crew of 6	06/27/2020 - 07/17/2020	1/day	0	crew truck assist truck boom truck bucket truck	1	250	1	1	Building Construction	OH-Highway trucks OH-Highway trucks OH-Highway trucks
	1 crew of 3			0	pick up truck	2	250	1	2	Building Construction	OH-Highway trucks
	1 crew of 2			0	van	1	250	1	1	Building Construction	OH-Highway trucks
	1			0	pick up truck	1	250	1	1	Building Construction	OH-Highway trucks

Source: SDG&E

SDG&E TL 6975 Project - San Diego County, Summer

SDG&E TL 6975 Project
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	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	2021
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MW/hr)	720.49	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use -

Construction Phase - Overall construction schedule (December 2019 - November 2020) and general phases provided by client; schedule was prepared
 Off-road Equipment -

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; mower assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; pressure digger is substituted by bore/drill rig.

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Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; double-bullwheel and drum puller assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; double-bullwheel and drum puller assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; double-bullwheel and drum puller assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; wire dolly and pulling rig assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; mower assumed to be "other construction equipment."

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Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; ditch witch substituted with a trencher.

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Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

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Off-road Equipment -
Off-road Equipment -

Trips and VMT - Based on information provided by client. All delivery trips accounted for with haul truck trips, using default trip lengths of 20 miles.
Grading - Acres to be graded based on data from project description and assumptions based on work areas for poles.

On-road Fugitive Dust - Assumes 5% of vehicle travel would be on unpaved roads, with a mean vehicle speed of 15mph.

Table Name	Column Name	Default Value	New Value
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tblConstructionPhase	NumDays	0.00	15.00
tblConstructionPhase	NumDays	0.00	28.00
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tblConstructionPhase	NumDays	0.00	31.00
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tblConstructionPhase	NumDays	0.00	2.00
tblConstructionPhase	NumDays	0.00	68.00
tblConstructionPhase	NumDays	0.00	55.00
tblConstructionPhase	NumDays	0.00	11.00
tblConstructionPhase	NumDays	0.00	18.00
tblConstructionPhase	NumDays	0.00	15.00
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tblConstructionPhase	NumDays	0.00	33.00
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tblConstructionPhase	PhaseStartDate	10/7/2020	2/28/2020
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tblConstructionPhase	PhaseStartDate	1/1/2021	2/28/2020
tblConstructionPhase	PhaseStartDate	1/22/2021	3/2/2020
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tblConstructionPhase	PhaseStartDate	9/28/2021	4/13/2020
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tblGrading	AcresOfGrading	0.00	0.18
tblGrading	AcresOfGrading	0.00	0.06
tblGrading	AcresOfGrading	0.00	0.04
tblGrading	AcresOfGrading	0.00	0.32
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tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOffRoadEquipment	UsageHours	6.00	4.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	HaulingPercentPave	100.00	95.00
tblOnRoadDust	MeanVehiclesSpeed	40.00	15.00
tblOnRoadDust	MeanVehiclesSpeed	40.00	15.00
tblOnRoadDust	MeanVehiclesSpeed	40.00	15.00

tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblTripsAndVMT	Hauling TripNumber	0.00	2.00
tblTripsAndVMT	Hauling TripNumber	0.00	2.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	558.00	281.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	117.00	61.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	2.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	2.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	80.00
tblTripsAndVMT	Hauling TripNumber	0.00	2.00
tblTripsAndVMT	Worker TripNumber	10.00	0.00
tblTripsAndVMT	Worker TripNumber	35.00	20.00

Year	lb/day															
2019	3.1407	30.0756	18.8672	0.0418	46.5438	2.6181	47.9957	4.7415	2.4591	6.0774	0.0000	4,161.6727	4,161.6727	1.2146	0.0000	4,192.0378
2020	15.5721	142.6864	89.8684	0.2760	80.4126	5.8494	86.2620	8.2048	5.3934	13.5982	0.0000	26,789.7987	26,789.7987	8.1462	0.0000	26,993.4530
Maximum	15.5721	142.6864	89.8684	0.2760	80.4126	5.8494	86.2620	8.2048	5.3934	13.5982	0.0000	26,789.7987	26,789.7987	8.1462	0.0000	26,993.4530

Mitigated Construction

Year	lb/day															
2019	3.1407	30.0756	18.8672	0.0418	46.5438	2.6181	47.9957	4.7415	2.4591	6.0774	0.0000	4,161.6727	4,161.6727	1.2146	0.0000	4,192.0378
2020	15.5721	142.6864	89.8684	0.2760	80.4126	5.8494	86.2620	8.2048	5.3934	13.5982	0.0000	26,789.7987	26,789.7987	8.1462	0.0000	26,993.4530
Maximum	15.5721	142.6864	89.8684	0.2760	80.4126	5.8494	86.2620	8.2048	5.3934	13.5982	0.0000	26,789.7987	26,789.7987	8.1462	0.0000	26,993.4530

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

2.2 Overall Operational Unmitigated Operational

Category	lb/day															
Area	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

6	Paving		12/30/2019	12/29/2019	5	0
7	Architectural Coating	Architectural Coating	12/30/2019	12/29/2019	5	0
8	02 Access Road	Grading	1/21/2020	4/16/2020	5	63
9	03 Material Haul	Grading	1/21/2020	3/5/2020	5	33
10	04.1 Auger Holes, Direct Bury Poles - Seq. 1	Grading	1/21/2020	2/27/2020	5	28
11	05.1 Foundation Construction (Pier) - Seq. 1	Grading	1/21/2020	3/26/2020	5	48
12	04.2 Auger Holes, Direct Bury Poles - Seq. 2	Grading	2/28/2020	4/10/2020	5	31
13	06.1 Structure Installation and Assembly - Seq. 1	Grading	2/28/2020	4/10/2020	5	31
14	10.1 Substation Work (San Marcos) below grade	Grading	2/28/2020	3/19/2020	5	15
15	08 Trenching for Installation of Underground Cables	Grading	3/2/2020	7/15/2020	5	98
16	10.2 Substation Work (San Marcos) above grade	Building Construction	3/20/2020	4/9/2020	5	15
17	05.2 Foundation Construction (Pier) - Seq. 2	Grading	3/27/2020	7/13/2020	5	77
18	04.3 Auger Holes, Direct Bury Poles - Seq. 3	Grading	4/10/2020	4/13/2020	5	2
19	06.2 Structure Installation and Assembly - Seq. 2	Grading	4/13/2020	7/15/2020	5	68
20	07.1 Stringing Activities/Transfer Conductor/Sagging Activities - (Pier) - Seq. 3	Grading	4/13/2020	6/26/2020	5	55
21	05.3 Foundation Construction (Pier) - Seq. 3	Grading	6/1/2020	6/15/2020	5	11
22	06.3 Structure Installation and Assembly - Seq. 3	Grading	6/8/2020	7/1/2020	5	18
23	10.3 Substation Work (Esccondido) below grade	Grading	6/8/2020	6/26/2020	5	15
24	10.4 Substation Work (Esccondido) above grade	Building Construction	6/27/2020	7/17/2020	5	15
25	07.2 Stringing Activities/Transfer Conductor/Sagging Activities - Restoration and Cleanup/Road	Grading	6/29/2020	8/12/2020	5	33
26	09.1 Demobilization/ROW	Grading	6/29/2020	8/13/2020	5	34
27	07.3 Stringing Activities/Transfer Conductor/Sagging Activities - Restoration and Cleanup/Road	Grading	8/13/2020	9/28/2020	5	33
28	09.3 Demobilization/ROW	Grading	8/14/2020	10/15/2020	5	45
29	09.2 Demobilization/ROW	Grading	9/29/2020	11/12/2020	5	33

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
01 Pre-Construction Activities	Concrete/Industrial Saws	0	8.00	81	0.73
01 Pre-Construction Activities	Excavators	2	3.00	162	0.38
01 Pre-Construction Activities	Graders	2	5.00	174	0.41
01 Pre-Construction Activities	Off-Highway Trucks	2	3.00	250	0.38
01 Pre-Construction Activities	Off-Highway Trucks	2	4.00	250	0.38
01 Pre-Construction Activities	Off-Highway Trucks	1	4.00	250	0.38
01 Pre-Construction Activities	Other Construction Equipment	2	4.00	74	0.42
01 Pre-Construction Activities	Rubber Tired Dozers	0	1.00	247	0.40
01 Pre-Construction Activities	Tractors/Loaders/Backhoes	2	4.00	37	0.37
01 Pre-Construction Activities	Tractors/Loaders/Backhoes	1	4.00	250	0.37
02 Access Road Construction/Refreshina	Concrete/Industrial Saws	0	8.00	81	0.73
02 Access Road Construction/Refreshina	Graders	1	6.00	174	0.41
02 Access Road Construction/Refreshina	Off-Highway Tractors	1	4.00	250	0.44
02 Access Road Construction/Refreshina	Off-Highway Trucks	2	5.00	250	0.38

02 Access Road Construction/Refreshing	Rubber Tired Dozers	0	1.00	247	0.40
02 Access Road Construction/Refreshing	Tractors/Loaders/Backhoes	0	6.00	97	0.37
03 Material Haul	Concrete/Industrial Saws	0	8.00	81	0.73
03 Material Haul	Cranes	2	4.00	250	0.29
03 Material Haul	Forklifts	2	4.00	83	0.20
03 Material Haul	Rubber Tired Dozers	0	1.00	247	0.40
03 Material Haul	Tractors/Loaders/Backhoes	0	6.00	97	0.37
04.1 Auger Holes, Direct Bury Poles - Seq.1	Air Compressors	2	4.00	78	0.48
04.1 Auger Holes, Direct Bury Poles - Seq.1	Bore/Drill Rigs	2	6.00	82	0.50
04.1 Auger Holes, Direct Bury Poles - Seq.1	Bore/Drill Rigs	1	4.00	82	0.50
04.1 Auger Holes, Direct Bury Poles - Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	6.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	5.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	4.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	4.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Rubber Tired Dozers	0	1.00	247	0.40
04.1 Auger Holes, Direct Bury Poles - Seq.1	Tractors/Loaders/Backhoes	1	3.00	250	0.37
04.2 Auger Holes, Direct Bury Poles - Seq.2	Air Compressors	2	4.00	78	0.48
04.2 Auger Holes, Direct Bury Poles - Seq.2	Bore/Drill Rigs	2	6.00	82	0.50
04.2 Auger Holes, Direct Bury Poles - Seq.2	Bore/Drill Rigs	1	4.00	82	0.50
04.2 Auger Holes, Direct Bury Poles - Seq.2	Concrete/Industrial Saws	0	8.00	81	0.73
04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	6.00	250	0.38
04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	5.00	250	0.38
04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	4.00	250	0.38
04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	4.00	250	0.38
04.2 Auger Holes, Direct Bury Poles - Seq.2	Rubber Tired Dozers	0	1.00	247	0.40
04.2 Auger Holes, Direct Bury Poles - Seq.2	Tractors/Loaders/Backhoes	1	3.00	250	0.37
04.3 Auger Holes, Direct Bury Poles - Seq.3	Air Compressors	2	4.00	78	0.48
04.3 Auger Holes, Direct Bury Poles - Seq.3	Bore/Drill Rigs	2	6.00	82	0.50
04.3 Auger Holes, Direct Bury Poles - Seq.3	Bore/Drill Rigs	1	4.00	82	0.50
04.3 Auger Holes, Direct Bury Poles - Seq.3	Concrete/Industrial Saws	0	8.00	81	0.73

04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	6.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	5.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	4.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	4.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Rubber Tired Dozers	0	1.00	247	0.40
04.3 Auger Holes, Direct Bury Poles - Seq.3	Tractors/Loaders/Backhoes	1	3.00	250	0.37
05.1 Foundation Construction (Pier) - Seq.1	Air Compressors	1	4.00	78	0.48
05.1 Foundation Construction (Pier) - Seq.1	Bore/Drill Rigs	1	7.00	82	0.50
05.1 Foundation Construction (Pier) - Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
05.1 Foundation Construction (Pier) - Seq.1	Excavators	1	4.00	162	0.38
05.1 Foundation Construction (Pier) - Seq.1	Forklifts	1	3.00	83	0.20
05.1 Foundation Construction (Pier) - Seq.1	Generator Sets	1	3.00	84	0.74
05.1 Foundation Construction (Pier) - Seq.1	Off-Highway Trucks	1	3.00	250	0.38
05.1 Foundation Construction (Pier) - Seq.1	Off-Highway Trucks	1	4.00	250	0.38
05.1 Foundation Construction (Pier) - Seq.1	Off-Highway Trucks	1	3.00	250	0.38
05.1 Foundation Construction (Pier) - Seq.1	Rubber Tired Dozers	0	1.00	247	0.40
05.1 Foundation Construction (Pier) - Seq.1	Tractors/Loaders/Backhoes	1	3.00	37	0.37
05.2 Foundation Construction (Pier) - Seq.2	Air Compressors	1	4.00	78	0.48
05.2 Foundation Construction (Pier) - Seq.2	Bore/Drill Rigs	1	7.00	82	0.50
05.2 Foundation Construction (Pier) - Seq.2	Concrete/Industrial Saws	0	8.00	81	0.73
05.2 Foundation Construction (Pier) - Seq.2	Excavators	1	4.00	162	0.38
05.2 Foundation Construction (Pier) - Seq.2	Forklifts	1	3.00	83	0.20
05.2 Foundation Construction (Pier) - Seq.2	Generator Sets	1	3.00	84	0.74
05.2 Foundation Construction (Pier) - Seq.2	Off-Highway Trucks	1	3.00	250	0.38
05.2 Foundation Construction (Pier) - Seq.2	Off-Highway Trucks	1	4.00	250	0.38
05.2 Foundation Construction (Pier) - Seq.2	Off-Highway Trucks	1	3.00	250	0.38
05.2 Foundation Construction (Pier) - Seq.2	Rubber Tired Dozers	0	1.00	247	0.40
05.2 Foundation Construction (Pier) - Seq.2	Tractors/Loaders/Backhoes	1	3.00	37	0.37
05.3 Foundation Construction (Pier) - Seq.3	Air Compressors	1	4.00	78	0.48
05.3 Foundation Construction (Pier) - Seq.3	Bore/Drill Rigs	1	7.00	82	0.50
05.3 Foundation Construction (Pier) - Seq.3	Concrete/Industrial Saws	0	8.00	81	0.73

05.3 Foundation Construction (Pier) - Seq.3	Excavators	1	4.00	162	0.38
05.3 Foundation Construction (Pier) - Seq.3	Forklifts	1	3.00	83	0.20
05.3 Foundation Construction (Pier) - Seq.3	Generator Sets	1	3.00	84	0.74
05.3 Foundation Construction (Pier) - Seq.3	Off-Highway Trucks	1	3.00	250	0.38
05.3 Foundation Construction (Pier) - Seq.3	Off-Highway Trucks	1	4.00	250	0.38
05.3 Foundation Construction (Pier) - Seq.3	Off-Highway Trucks	1	3.00	250	0.38
05.3 Foundation Construction (Pier) - Seq.3	Rubber Tired Dozers	0	1.00	247	0.40
05.3 Foundation Construction (Pier) - Seq.3	Tractors/Loaders/Backhoes	1	3.00	37	0.37
06.1 Structure Installation and Assembly - Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	2	4.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	3	6.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	2	5.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	3	6.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Rubber Tired Dozers	0	1.00	247	0.40
06.1 Structure Installation and Assembly - Seq.1	Tractors/Loaders/Backhoes	0	6.00	97	0.37
06.2 Structure Installation and Assembly - Seq.2	Concrete/Industrial Saws	0	8.00	81	0.73
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	2	4.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	3	6.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	2	5.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	3	6.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Rubber Tired Dozers	0	1.00	247	0.40
06.2 Structure Installation and Assembly - Seq.2	Tractors/Loaders/Backhoes	0	6.00	97	0.37
06.3 Structure Installation and Assembly - Seq.3	Concrete/Industrial Saws	0	8.00	81	0.73
06.3 Structure Installation and Assembly - Seq.3	Off-Highway Trucks	2	4.00	250	0.38
06.3 Structure Installation and Assembly - Seq.3	Off-Highway Trucks	3	6.00	250	0.38
06.3 Structure Installation and Assembly - Seq.3	Off-Highway Trucks	2	5.00	250	0.38
06.3 Structure Installation and Assembly - Seq.3	Off-Highway Trucks	3	6.00	250	0.38
06.3 Structure Installation and Assembly - Seq.3	Rubber Tired Dozers	0	1.00	247	0.40
06.3 Structure Installation and Assembly - Seq.3	Tractors/Loaders/Backhoes	0	6.00	97	0.37
07.1 Stringing Activities/Transfer Conductor/Sagging Activities - Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
07.1 Stringing Activities/Transfer Conductor/Sagging Activities - Seq.1	Forklifts	1	3.00	83	0.20

07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Off-Highway Trucks	2	6.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Off-Highway Trucks	2	4.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Off-Highway Trucks	2	4.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Off-Highway Trucks	1	4.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Off-Highway Trucks	1	5.00	82	0.44
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Other Construction Equipment	1	6.00	300	0.42
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Other Construction Equipment	1	6.00	300	0.42
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Rubber Tired Dozers	0	1.00	247	0.40
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Tractors/Loaders/Backhoes	0	6.00	97	0.37
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Concrete/Industrial Saws	0	8.00	81	0.73
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Forklifts	1	3.00	83	0.20
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Off-Highway Trucks	2	6.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Off-Highway Trucks	2	4.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Off-Highway Trucks	2	4.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Off-Highway Trucks	1	4.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Off-Highway Trucks	1	5.00	82	0.38
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Other Construction Equipment	1	6.00	300	0.42
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Other Construction Equipment	1	6.00	300	0.42
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Rubber Tired Dozers	0	1.00	247	0.40
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Tractors/Loaders/Backhoes	0	6.00	97	0.37
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Concrete/Industrial Saws	0	8.00	81	0.73
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Forklifts	1	3.00	83	0.20
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Off-Highway Trucks	2	6.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Off-Highway Trucks	2	4.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Off-Highway Trucks	2	4.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Off-Highway Trucks	1	4.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Off-Highway Trucks	1	5.00	82	0.38
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Other Construction Equipment	1	6.00	300	0.42
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Other Construction Equipment	1	6.00	300	0.42
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Rubber Tired Dozers	0	1.00	247	0.40
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Tractors/Loaders/Backhoes	0	6.00	97	0.37

08 Trenching for Installation of Underground Cables	Concrete/Industrial Saws	0	8.00	81	0.73
08 Trenching for Installation of Underground Cables	Cranes	1	4.00	226	0.29
08 Trenching for Installation of Underground Cables	Off-Highway Tractors	1	3.00	250	0.44
08 Trenching for Installation of Underground Cables	Off-Highway Trucks	2	3.00	400	0.38
08 Trenching for Installation of Underground Cables	Off-Highway Trucks	1	3.00	250	0.38
08 Trenching for Installation of Underground Cables	Off-Highway Trucks	1	4.00	250	0.38
08 Trenching for Installation of Underground Cables	Other Construction Equipment	1	3.00	82	0.42
08 Trenching for Installation of Underground Cables	Other Construction Equipment	1	4.00	82	0.42
08 Trenching for Installation of Underground Cables	Rubber Tired Dozers	0	1.00	247	0.40
08 Trenching for Installation of Underground Cables	Tractors/Loaders/Backhoes	1	3.00	97	0.37
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Excavators	1	4.00	162	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Graders	1	4.00	174	0.41
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Off-Highway Trucks	1	5.00	400	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Off-Highway Trucks	2	4.00	250	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Off-Highway Trucks	1	4.00	250	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Other Construction Equipment	1	4.00	74	0.42
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Rubber Tired Dozers	0	1.00	247	0.40
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Tractors/Loaders/Backhoes	1	4.00	97	0.37
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Tractors/Loaders/Backhoes	1	4.00	37	0.37
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Tractors/Loaders/Backhoes	1	4.00	250	0.37
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Concrete/Industrial Saws	0	8.00	81	0.73
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Excavators	1	4.00	162	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Graders	1	4.00	174	0.41
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Off-Highway Trucks	1	5.00	400	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Off-Highway Trucks	2	4.00	250	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Off-Highway Trucks	1	4.00	250	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Other Construction Equipment	1	4.00	74	0.42
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Rubber Tired Dozers	0	1.00	247	0.40
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Tractors/Loaders/Backhoes	1	4.00	97	0.37
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Tractors/Loaders/Backhoes	1	4.00	37	0.37

09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Tractors/Loaders/Backhoes	1	4.00	250	0.37
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Concrete/Industrial Saws	0	8.00	81	0.73
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Excavators	1	4.00	162	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Graders	1	4.00	174	0.41
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Off-Highway Trucks	1	5.00	400	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Off-Highway Trucks	2	4.00	250	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Off-Highway Trucks	1	4.00	250	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Other Construction Equipment	1	4.00	74	0.42
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Rubber Tired Dozers	0	1.00	247	0.40
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Tractors/Loaders/Backhoes	1	4.00	97	0.37
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Tractors/Loaders/Backhoes	1	4.00	37	0.37
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Tractors/Loaders/Backhoes	1	4.00	250	0.37
10.1 Substation Work (San Marcos) <small>below grade</small>	Bore/Drill Rigs	1	4.00	250	0.50
10.1 Substation Work (San Marcos) <small>below grade</small>	Concrete/Industrial Saws	0	8.00	81	0.73
10.1 Substation Work (San Marcos) <small>below grade</small>	Off-Highway Trucks	1	1.00	250	0.38
10.1 Substation Work (San Marcos) <small>below grade</small>	Off-Highway Trucks	1	4.00	250	0.38
10.1 Substation Work (San Marcos) <small>below grade</small>	Rubber Tired Dozers	0	1.00	247	0.40
10.1 Substation Work (San Marcos) <small>below grade</small>	Tractors/Loaders/Backhoes	0	6.00	97	0.37
10.1 Substation Work (San Marcos) <small>below grade</small>	Trenchers	1	3.00	250	0.50
10.2 Substation Work (San Marcos) <small>above grade</small>	Cranes	0	4.00	231	0.29
10.2 Substation Work (San Marcos) <small>above grade</small>	Forklifts	0	6.00	89	0.20
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Tractors	1	1.00	250	0.44
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	3.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	3.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	3.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	3.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	2	1.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	1.00	250	0.38

10.2 Substation Work (San Marcos) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) <i>above grade</i>	Tractors/Loaders/Backhoes	0	8.00	97	0.37
10.3 Substation Work (Escondido) <i>below grade</i>	Bore/Drill Rigs	1	4.00	250	0.50
10.3 Substation Work (Escondido) <i>below grade</i>	Concrete/Industrial Saws	0	8.00	81	0.73
10.3 Substation Work (Escondido) <i>below grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.3 Substation Work (Escondido) <i>below grade</i>	Off-Highway Trucks	1	4.00	250	0.38
10.3 Substation Work (Escondido) <i>below grade</i>	Rubber Tired Dozers	0	1.00	247	0.40
10.3 Substation Work (Escondido) <i>below grade</i>	Tractors/Loaders/Backhoes	0	6.00	97	0.37
10.3 Substation Work (Escondido) <i>below grade</i>	Trenchers	1	3.00	250	0.50
10.4 Substation Work (Escondido) <i>above grade</i>	Cranes	0	4.00	231	0.29
10.4 Substation Work (Escondido) <i>above grade</i>	Forklifts	0	6.00	89	0.20
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	2	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Paving	7	0.00	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	0.00	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
01 Pre-Construction Activities	14	20.00	0.00	80.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
02 Access Road Construction/Refresh	4	10.00	0.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
03 Material Haul	4	10.00	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
04.1 Auger Holes, Direct Run Poles	14	20.00	0.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
04.2 Auger Holes, Direct Run Poles	14	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
04.3 Auger Holes, Direct Run Poles	14	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
05.1 Foundation Construction (Pier)	9	10.00	0.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
05.2 Foundation Construction (Pier)	9	10.00	0.00	281.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
05.3 Foundation Construction (Pier)	9	10.00	0.00	61.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
06.1 Structure Installation and	10	20.00	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
06.2 Structure Installation and	10	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
06.3 Structure Installation and	10	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
07.1 Stringing Activities/Transfer	11	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
07.2 Stringing Activities/Transfer	11	20.00	0.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
07.3 Stringing Activities/Transfer	11	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
08 Trenching for Installation of	9	10.00	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
09.1 Demobilization/ROW	10	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
09.2 Demobilization/ROW	10	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
09.3 Demobilization/ROW	10	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
10.1 Substation Work (San Marcos) below	4	8.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
10.2 Substation Work (San Marcos) above	12	34.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
10.3 Substation Work (Escondido) below	4	8.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
10.4 Substation Work (Escondido) above	12	34.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

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	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	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Site Preparation - 2019
Unmitigated Construction On-Site

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

Mitigated Construction On-Site

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 01 Pre-Construction Activities - 2019

Unmitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.1004	0.0000	0.1004	0.0108	0.0000	0.0108			0.0000			0.0000
Off-Road	3.0391	29.2198	18.0755	0.0379	1.4478	1.4478	1.4478	1.3320	1.3320	1.3320		3,756.840	3,756.840	1.1886		3,786.5557
Total	3.0391	29.2198	18.0755	0.0379	0.1004	1.4478	1.5482	0.0108	1.3320	1.3428		3,756.840	3,756.840	1.1886		3,786.5557

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0232	0.8010	0.1729	2.1200e-003	36.5551	3.0200e-003	36.5581	3.7191	2.8900e-003	3.7219		230.7927	230.7927	0.0204		231.3033
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0548	0.6188	1.7500e-003	9.8883	1.1700e-003	9.8895	1.0116	1.0800e-003	1.0126		174.0399	174.0399	5.5600e-003		174.1789
Total	0.1017	0.8568	0.7917	3.8700e-003	46.4434	4.1900e-003	46.4476	4.7306	3.9700e-003	4.7346		404.8327	404.8327	0.0260		405.4822

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.1004	0.0000	0.1004	0.0108	0.0000	0.0108			0.0000			0.0000
Off-Road	3.0391	29.2198	18.0755	0.0379	1.4478	1.4478	1.4478	1.3320	1.3320	1.3320		3,756.840	3,756.840	1.1886		3,786.5557
Total	3.0391	29.2198	18.0755	0.0379	0.1004	1.4478	1.5482	0.0108	1.3320	1.3428		3,756.840	3,756.840	1.1886		3,786.5557

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0232	0.8010	0.1729	2.1200e-003	36.5551	3.0200e-003	36.5581	3.7191	2.8900e-003	3.7219		230.7927	230.7927	0.0204		231.3033
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0785	0.0548	0.6188	1.7500e-003	9.8883	1.1700e-003	9.8895	1.0116	1.0800e-003	1.0126		174.0399	174.0399	5.5600e-003		174.1789
Total	0.1017	0.8558	0.7917	3.8700e-003	46.4434	4.1900e-003	46.4476	4.7306	3.9700e-003	4.7346		404.8327	404.8327	0.0260		405.4822

3.5 01 Pre-Construction Activities - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.1004	0.0000	0.1004	0.0108	0.0000	0.0108			0.0000			0.0000
Off-Road	2.7841	25.9162	17.6890	0.0380		1.2800	1.2800		1.1776	1.1776		3,676.1209	3,676.1209	1.1889		3,705.8442
Total	2.7841	25.9162	17.6890	0.0380	0.1004	1.2800	1.3804	0.0108	1.1776	1.1885		3,676.1209	3,676.1209	1.1889		3,705.8442

Unmitigated Construction Off-Site

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

Hauling	0.0211	0.7439	0.1689	2.0900e-003	2.6216	2.3700e-003	2.6240	0.2695	2.2700e-003	0.2717	228.3538	228.3538	0.0201			228.8566
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	168.5494	168.5494	5.0300e-003			168.6752
Total	0.0945	0.7934	0.7368	3.7800e-003	12.5099	3.5200e-003	12.5135	1.2810	3.3300e-003	1.2844	396.9032	396.9032	0.0251			397.5319

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.1004	0.0000	0.1004	0.0108	0.0000	0.0108			0.0000			0.0000
Off-Road	2.7841	25.9162	17.6890	0.0380		1.2800	1.2800	1.1776	1.1776	1.1776	0.0000	3,676.1209	3,676.1209	1.1889		3,705.8442
Total	2.7841	25.9162	17.6890	0.0380	0.1004	1.2800	1.3804	0.0108	1.1776	1.1885	0.0000	3,676.1209	3,676.1209	1.1889		3,705.8442

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0211	0.7439	0.1689	2.0900e-003	2.6216	2.3700e-003	2.6240	0.2695	2.2700e-003	0.2717	228.3538	228.3538	0.0201			228.8566
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	168.5494	168.5494	5.0300e-003			168.6752
Total	0.0945	0.7934	0.7368	3.7800e-003	12.5099	3.5200e-003	12.5135	1.2810	3.3300e-003	1.2844	396.9032	396.9032	0.0251			397.5319

3.6 Building Construction - 2019
Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

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

Mitigated Construction On-Site

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

Category	lb/day										lb/day									
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000	0.0000	0.0000

3.8 Architectural Coating - 2019
Unmitigated Construction On-Site

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
Archit. Coating	0.0000	0.0000	0.0000	0.0000	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	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

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
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction On-Site

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.9 02 Access Road Construction/Refreshing - 2020
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0480	0.0000	0.0480	5.1800e-003	0.0000	5.1800e-003			0.0000			0.0000
Off-Road	1.3250	12.9684	7.4764	0.0195		0.5793	0.5793		0.5330	0.5330		1,892.6562	1,892.6562	0.6121		1,907.9593
Total	1.3250	12.9684	7.4764	0.0195	0.0480	0.5793	0.6273	5.1800e-003	0.5330	0.5381		1,892.6562	1,892.6562	0.6121		1,907.9593

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	2.5000e-004	8.8600e-003	2.0100e-003	2.0000e-005	0.0291	3.0000e-005	0.0292	3.0000e-003	3.0000e-005	3.0200e-003		2.7185	2.7185	2.4000e-004		2.7245
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063		84.2747	84.2747	2.5200e-003		84.3376
Total	0.0370	0.0336	0.2855	8.7000e-004	4.9733	6.1000e-004	4.9739	0.5088	5.6000e-004	0.5093		86.9932	86.9932	2.7600e-003		87.0621

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0480	0.0000	0.0480	5.1800e-003	0.0000	5.1800e-003			0.0000			0.0000
Off-Road	1.3250	12.9684	7.4764	0.0195		0.5793	0.5793		0.5330	0.5330		1,892.6562	1,892.6562	0.6121		1,907.9593
Total	1.3250	12.9684	7.4764	0.0195	0.0480	0.5793	0.5793	5.1800e-003	0.5330	0.5330		1,892.6562	1,892.6562	0.6121		1,907.9593

Total	1.3250	12.9684	7.4764	0.0195	0.0480	0.5793	0.6273	5.1800e-003	0.5330	0.5381	0.0000	1,892.656 2	1,892.656 2	0.6121	1,907.959 3
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Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	2.5000e-004	8.8600e-003	2.0100e-003	2.0000e-005	0.0291	3.0000e-005	0.0292	3.0000e-003	3.0000e-005	3.0200e-003		2.7185	2.7185	2.4000e-004		2.7245
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063		84.2747	84.2747	2.5200e-003		84.3376
Total	0.0370	0.0336	0.2855	8.7000e-004	4.9733	6.1000e-004	4.9739	0.5088	5.6000e-004	0.5093		86.9932	86.9932	2.7600e-003		87.0621

3.10 03 Material Haul - 2020
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6250	7.0450	3.3901	7.6700e-003		0.3307	0.3307		0.3042	0.3042			742.8019	0.2402		748.8078
Total	0.6250	7.0450	3.3901	7.6700e-003	0.0000	0.3307	0.3307	0.0000	0.3042	0.3042			742.8019	0.2402		748.8078

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	84.2747	84.2747	84.2747	2.5200e-003		84.3376
Total	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	84.2747	84.2747	84.2747	2.5200e-003		84.3376

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6250	7.0450	3.3901	7.6700e-003	0.3307	0.3307	0.3307	0.3042	0.3042	0.3042	0.0000	742.8019	742.8019	0.2402		748.8078
Total	0.6250	7.0450	3.3901	7.6700e-003	0.3307	0.3307	0.3307	0.3042	0.3042	0.3042	0.0000	742.8019	742.8019	0.2402		748.8078

Mitigated Construction Off-Site

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

Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9447	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	84.2747	84.2747	2.5200e-003	84.3376
Total	0.0367	0.0247	0.2835	8.5000e-004	4.9447	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	84.2747	84.2747	2.5200e-003	84.3376

3.11 04.1 Auger Holes, Direct Bury Poles - Seg 1 - 2020

Unmitigated Construction On-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					6.8200e-003	0.0000	6.8200e-003	7.4000e-004	0.0000	7.4000e-004			0.0000			0.0000
Off-Road	3.0035	28.3088	19.0510	0.0525	1.2097	1.2097	1.2097	1.1248	1.1248	1.1248		5,075.4727	5,075.4727	1.5492		5,114.2026
Total	3.0035	28.3088	19.0510	0.0525	6.8200e-003	1.2097	1.2165	7.4000e-004	1.1248	1.1255		5,075.4727	5,075.4727	1.5492		5,114.2026

Unmitigated Construction Off-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	5.6000e-004	0.0199	4.5200e-003	6.0000e-005	0.0656	6.0000e-005	0.0656	6.7400e-003	6.0000e-005	6.8000e-003		6.1166	6.1166	5.4000e-004		6.1301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752
Total	0.0740	0.0694	0.5714	1.7500e-003	9.9539	1.2100e-003	9.9551	1.0183	1.1200e-003	1.0194		174.6660	174.6660	5.5700e-003		174.8053

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					6.8200e-003	0.0000	6.8200e-003	7.4000e-004	0.0000	7.4000e-004			0.0000			0.0000
Off-Road	3.0035	28.3088	19.0510	0.0525		1.2097	1.2097		1.1248	1.1248	0.0000	5.075.4727	5.075.4727	1.5492		5,114.2026
Total	3.0035	28.3088	19.0510	0.0525	6.8200e-003	1.2097	1.2165	7.4000e-004	1.1248	1.1255	0.0000	5,075.4727	5,075.4727	1.5492		5,114.2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	5.6000e-004	0.0199	4.5200e-003	6.0000e-005	0.0656	6.0000e-005	0.0656	6.7400e-003	6.0000e-005	6.8000e-003		6.1166	6.1166	5.4000e-004		6.1301
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752
Total	0.0740	0.0694	0.5714	1.7500e-003	9.9539	1.2100e-003	9.9551	1.0183	1.1200e-003	1.0194		174.6660	174.6660	5.5700e-003		174.8053

3.12 05.1 Foundation Construction (Pier) - Seg 1 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					1.3300e-003	0.0000	1.3300e-003	1.4000e-004	0.0000	1.4000e-004			0.0000			0.0000

Off-Road	1.2934	11.7070	10.1707	0.0213	0.5723	0.5723	0.5383	0.5383	2,054.174 3	2,054.174 3	0.5558	2,068.069 2
Total	1.2934	11.7070	10.1707	0.0213	0.5723	0.5736	1.4000e-004	0.5383	2,054.174 3	2,054.174 3	0.5558	2,068.069 2

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	3.3000e-004	0.0116	2.6400e-003	3.0000e-005	0.0382	4.0000e-005	0.0383	3.9300e-003	4.0000e-005	3.9700e-003		3.5680	3.5680	3.1000e-004		3.5769
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063		84.2747	84.2747	2.5200e-003		84.3376
Total	0.0370	0.0363	0.2861	8.8000e-004	4.9824	6.2000e-004	4.9830	0.5097	5.7000e-004	0.5103		87.8427	87.8427	2.8300e-003		87.9135

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					1.3300e-003	0.0000	1.3300e-003	1.4000e-004	0.0000	1.4000e-004			0.0000			0.0000
Off-Road	1.2934	11.7070	10.1707	0.0213	0.5723	0.5723	0.5723	0.5383	0.5383	0.5383		0.0000	2,054.174 3	2,054.174 3	0.5558	2,068.069 2
Total	1.2934	11.7070	10.1707	0.0213	0.5723	0.5723	0.5736	1.4000e-004	0.5383	0.5384		0.0000	2,054.174 3	2,054.174 3	0.5558	2,068.069 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	3.3000e-004	0.0116	2.6400e-003	3.0000e-005	0.0382	4.0000e-005	0.0383	3.9300e-003	4.0000e-005	3.9700e-003	3.5680	3.5680	3.5680	3.1000e-004		3.5759
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
Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	84.2747	84.2747	84.2747	2.5200e-003		84.3376
Total	0.0370	0.0363	0.2861	8.8000e-004	4.9824	6.2000e-004	4.9830	0.5097	5.7000e-004	0.5103	87.8427	87.8427	87.8427	2.8300e-003		87.9135

3.13 04.2 Auger Holes, Direct Bury Poles - Seg 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					1.3700e-003	0.0000	1.3700e-003	1.5000e-004	0.0000	1.5000e-004			0.0000			0.0000
Off-Road	3.0035	28.3088	19.0510	0.0525	1.2097	1.2097	1.2097	1.1248	1.1248	1.1248	5,075.4727	5,075.4727	5,075.4727	1.5492		5,114.2026
Total	3.0035	28.3088	19.0510	0.0525	1.3700e-003	1.2097	1.2111	1.5000e-004	1.1248	1.1249	5,075.4727	5,075.4727	5,075.4727	1.5492		5,114.2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	2.5000e-004	9.0000e-003	2.0400e-003	3.0000e-005	0.0296	3.0000e-005	0.0296	3.0500e-003	3.0000e-005	3.0700e-003	2.7623	2.7623	2.7623	2.4000e-004		2.7684

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	0.0000	0.0000	0.0000	
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	168.5494	168.5494	5.0300e-003	168.6752						
Total	0.0736	0.0585	0.5690	1.7200e-003	9.9179	1.1800e-003	9.9191	1.0146	1.0900e-003	1.0157	171.3118	171.3118	5.2700e-003	171.4437						

Mitigated Construction On-Site

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
Fugitive Dust					1.3700e-003	0.0000	1.3700e-003	1.5000e-004	0.0000	1.5000e-004			0.0000			0.0000
Off-Road	3.0035	28.3088	19.0510	0.0525	1.2097	1.2097	1.2097	1.1248	1.1248	1.1248	0.0000	5,075.4727	5,075.4727	1.5492		5,114.2026
Total	3.0035	28.3088	19.0510	0.0525	1.3700e-003	1.2097	1.2111	1.5000e-004	1.1248	1.1249	0.0000	5,075.4727	5,075.4727	1.5492		5,114.2026

Mitigated Construction Off-Site

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
Hauling	2.5000e-004	9.0000e-003	2.0400e-003	3.0000e-005	0.0296	3.0000e-005	0.0296	3.0500e-003	3.0000e-005	3.0700e-003			2.7623	2.4000e-004		2.7684
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
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	168.5494	168.5494	5.0300e-003	168.6752		
Total	0.0736	0.0585	0.5690	1.7200e-003	9.9179	1.1800e-003	9.9191	1.0146	1.0900e-003	1.0157	171.3118	171.3118	5.2700e-003	171.4437		

3.14 06.1 Structure Installation and Assembly - Seg 1 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0110	0.0000	0.0110	1.1800e-003	0.0000	1.1800e-003			0.0000			0.0000
Off-Road	3.1076	28.3564	15.7325	0.0549		1.1048	1.1048	1.0164	1.0164	1.0164		5,317.4604	5,317.4604	1.7198		5,360.4547
Total	3.1076	28.3564	15.7325	0.0549	0.0110	1.1048	1.1158	1.1800e-003	1.0164	1.0176		5,317.4604	5,317.4604	1.7198		5,360.4547

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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
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
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752
Total	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752

Mitigated Construction On-Site

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

	3.1076	28.3564	15.7325	0.0549	0.0110	0.0000	0.0110	0.0000	0.0110	1.1800e-003	0.0000	1.1800e-003	0.0000	1.1800e-003	0.0000	0.0000	0.0000	0.0000	
Fugitive Dust																			0.0000
Off-Road	3.1076	28.3564	15.7325	0.0549	1.1048	1.1048	1.1048	1.1048	1.1048	1.0164	1.0164	1.0164	1.0164	1.0164	0.0000	5,317.4604	5,317.4604	1,7198	5,360.4547
Total	3.1076	28.3564	15.7325	0.0549	0.0110	1.1048	1.1158	1.1048	1.1158	1.1800e-003	1.0164	1.0176	0.0000	5,317.4604	5,317.4604	1,7198	5,360.4547		

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752
Total	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752

3.15 10.1 Substation Work (San Marcos) below grade - 2020
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7688	8.5937	4.1003	0.0144	0.3208	0.3208	0.3208	0.2951	0.2951	0.2951		1,398.4910	1,398.4910	0.4523		1,409.7985
Total	0.7688	8.5937	4.1003	0.0144	0.0000	0.3208	0.3208	0.2951	0.2951	0.2951		1,398.4910	1,398.4910	0.4523		1,409.7985

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	5.3000e-004	0.0186	4.2200e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.7088	5.7088	5.0000e-004		5.7214
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0294	0.0198	0.2268	6.8000e-004	6.4205	4.6000e-004	6.4210	0.6511	4.2000e-004	0.6516		67.4198	67.4198	2.0100e-003		67.4701
Total	0.0299	0.0384	0.2310	7.3000e-004	6.5197	5.2000e-004	6.5203	0.6612	4.8000e-004	0.6617		73.1286	73.1286	2.5100e-003		73.1915

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7688	8.5937	4.1003	0.0144		0.3208	0.3208		0.2951	0.2951	0.0000	1,398.4910	1,398.4910	0.4523		1,409.7985
Total	0.7688	8.5937	4.1003	0.0144	0.0000	0.3208	0.3208	0.0000	0.2951	0.2951	0.0000	1,398.4910	1,398.4910	0.4523		1,409.7985

Mitigated Construction Off-Site

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

Hauling	5.3000e-004	0.0186	4.2200e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102	5.7088	5.0000e-004	5.7214
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
Worker	0.0294	0.0198	0.2268	6.8000e-004	6.4205	4.6000e-004	6.4210	0.6511	4.2000e-004	0.6516	67.4198	2.0100e-003	67.4701
Total	0.0299	0.0384	0.2310	7.3000e-004	6.5197	5.2000e-004	6.5203	0.6612	4.8000e-004	0.6617	73.1286	2.5100e-003	73.1915

3.16 08 Trenching for Installation of Underground Cables - 2020
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					1.0800e-003	0.0000	1.0800e-003	1.2000e-004	0.0000	1.2000e-004			0.0000			0.0000
Off-Road	1.6350	16.2307	9.6153	0.0271	0.7245	0.7245	0.7245	0.6665	0.6665	0.6665			2,623.2328	0.8484		2,644.4430
Total	1.6350	16.2307	9.6153	0.0271	1.0800e-003	0.7245	0.7255	1.2000e-004	0.6665	0.6666			2,623.2328	0.8484		2,644.4430

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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
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
Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063			84.2747	2.5200e-003		84.3376
Total	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063			84.2747	2.5200e-003		84.3376

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					1.0800e-003	0.0000	1.0800e-003	1.2000e-004	0.0000	1.2000e-004			0.0000			0.0000
Off-Road	1.6350	16.2307	9.6153	0.0271	0.7245	0.7245	0.7245	0.6665	0.6665	0.6665	0.0000	2,623.2328	2,623.2328	0.8484		2,644.4430
Total	1.6350	16.2307	9.6153	0.0271	1.0800e-003	0.7245	0.7255	1.2000e-004	0.6665	0.6666	0.0000	2,623.2328	2,623.2328	0.8484		2,644.4430

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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
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
Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063			84.2747	2.5200e-003		84.3376
Total	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063			84.2747	2.5200e-003		84.3376

3.17 10.2 Substation Work (San Marcos) above grade - 2020

Unmitigated Construction On-Site

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

Category	lb/day										
Off-Road	1.1471	10.6018	5.8220	0.0205	0.4096	0.4096	0.3769	0.3769	1,985.1659	0.6420	2,001.2170
Total	1.1471	10.6018	5.8220	0.0205	0.4096	0.4096	0.3769	0.3769	1,985.1659	0.6420	2,001.2170

Unmitigated Construction Off-Site

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
Hauling	5.3000e-004	0.0186	4.2200e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.7088	5.7088	5.0000e-004		5.7214
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1248	0.0841	0.9638	2.8800e-003	27.2872	1.9600e-003	27.2891	2.7674	1.8100e-003	2.7682		286.5340	286.5340	8.5600e-003		286.7479
Total	0.1253	0.1027	0.9680	2.9300e-003	27.3864	2.0200e-003	27.3884	2.7775	1.8700e-003	2.7793		292.2428	292.2428	9.0600e-003		292.4693

Mitigated Construction On-Site

Category	lb/day										
Off-Road	1.1471	10.6018	5.8220	0.0205	0.4096	0.4096	0.3769	0.3769	1,985.1659	0.6420	2,001.2170
Total	1.1471	10.6018	5.8220	0.0205	0.4096	0.4096	0.3769	0.3769	1,985.1659	0.6420	2,001.2170

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	5.3000e-004	0.0186	4.2200e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.7088	5.7088	5.0000e-004		5.7214
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1248	0.0841	0.9638	2.8800e-003	27.2872	1.9600e-003	27.2891	2.7674	1.8100e-003	2.7692		286.5340	286.5340	8.5600e-003		286.7479
Total	0.1253	0.1027	0.9680	2.9300e-003	27.3864	2.0200e-003	27.3884	2.7775	1.8700e-003	2.7793		292.2428	292.2428	9.0600e-003		292.4693

3.18 05.2 Foundation Construction (Pier) - Seg 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.0336	0.0000	0.0336	3.9900e-003	0.0000	3.9900e-003			0.0000			0.0000
Off-Road	1.2934	11.7070	10.1707	0.0213		0.5723	0.5723		0.5383	0.5383		2,054.174	2,054.174	0.5558		2,068.069
Total	1.2934	11.7070	10.1707	0.0213	0.0336	0.5723	0.6059	3.9900e-003	0.5383	0.5423		2,054.174	2,054.174	0.5558		2,068.069

Unmitigated Construction Off-Site

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

Category	lb/day										lb/day					
Hauling	0.0289	1.0180	0.2311	2.8600e-003	3.3495	3.2500e-003	3.3528	0.3446	3.1100e-003	0.3477	312.5036	312.5036	0.0275			313.1918
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	84.2747	84.2747	2.5200e-003			84.3376
Total	0.0656	1.0428	0.5146	3.7100e-003	8.2937	3.8300e-003	8.2975	0.8503	3.6400e-003	0.8540	396.7783	396.7783	0.0301			397.5294

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0336	0.0000	0.0336	3.9900e-003	0.0000	3.9900e-003			0.0000			0.0000
Off-Road	1.2934	11.7070	10.1707	0.0213	0.5723	0.5723	0.5723	0.5383	0.5383	0.5383	0.0000	2.054.174	2.054.174	0.5558		2.068.069
Total	1.2934	11.7070	10.1707	0.0213	0.0336	0.5723	0.6059	3.9900e-003	0.5383	0.5423	0.0000	2,054.174	2,054.174	0.5558		2,068.069

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0289	1.0180	0.2311	2.8600e-003	3.3495	3.2500e-003	3.3528	0.3446	3.1100e-003	0.3477			312.5036	0.0275		313.1918
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
Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063			84.2747	2.5200e-003		84.3376

Total	0.0656	1.0428	0.5146	3.7100e-003	8.2937	3.8300e-003	8.2975	0.8503	3.6400e-003	0.8540	396.7783	396.7783	0.0301	397.5294
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3.19 04.3 Auger Holes, Direct Bury Poles - Seg 3 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004			0.0000			0.0000
Off-Road	3.0035	28.3088	19.0510	0.0525		1.2097	1.2097	1.1248	1.1248	1.1248		5,075.4727	5,075.4727	1.5492		5,114.2026
Total	3.0035	28.3088	19.0510	0.0525	5.3000e-003	1.2097	1.2150	5.7000e-004	1.1248	1.1253		5,075.4727	5,075.4727	1.5492		5,114.2026

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	3.9500e-003	0.1395	0.0317	3.9000e-004	0.4589	4.5000e-004	0.4594	0.0472	4.3000e-004	0.0476		42.8163	42.8163	3.7700e-003		42.9106
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752
Total	0.0773	0.1889	0.5986	2.0800e-003	10.3472	1.6000e-003	10.3488	1.0588	1.4900e-003	1.0603		211.3657	211.3657	8.8000e-003		211.5859

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004			0.0000			0.0000
Off-Road	3.0035	28.3088	19.0510	0.0525		1.2097	1.2097		1.1248	1.1248	0.0000	5,075.4727	5,075.4727	1.5492		5,114.2026
Total	3.0035	28.3088	19.0510	0.0525	5.3000e-003	1.2097	1.2150	5.7000e-004	1.1248	1.1253	0.0000	5,075.4727	5,075.4727	1.5492		5,114.2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	3.9500e-003	0.1395	0.0317	3.9000e-004	0.4589	4.5000e-004	0.4594	0.0472	4.3000e-004	0.0476			42.8163	3.7700e-003		42.9106
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
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126			168.5494	5.0300e-003		168.6752
Total	0.0773	0.1889	0.5986	2.0800e-003	10.3472	1.6000e-003	10.3488	1.0588	1.4900e-003	1.0603			211.3657	8.8000e-003		211.5859

3.20 06.2 Structure Installation and Assembly - Seg 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					9.9800e-003	0.0000	9.9800e-003	1.0800e-003	0.0000	1.0800e-003			0.0000			0.0000
Off-Road	3.1076	28.3564	15.7325	0.0549		1.1048	1.1048		1.0164	1.0164			5,317.4604	1.7198		5,360.4547

Total	3.1076	28.3564	15.7325	0.0549	9.9800e-003	1.1048	1.1148	1.0800e-003	1.0164	1.0175	5,317.4604	1.7198	5,360.4547
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Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	1.2000e-004	4.1000e-003	9.3000e-004	1.0000e-005	0.0135	1.0000e-005	0.0135	1.3900e-003	1.0000e-005	1.4000e-003		1.2593	1.2593	1.1000e-004		1.2621
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8863	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752
Total	0.0735	0.0536	0.5679	1.7000e-003	9.9018	1.1600e-003	9.9030	1.0130	1.0700e-003	1.0140		169.8087	169.8087	5.1400e-003		169.9373

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					9.9800e-003	0.0000	9.9800e-003	1.0800e-003	0.0000	1.0800e-003		0.0000	0.0000			0.0000
Off-Road	3.1076	28.3564	15.7325	0.0549	1.1048	1.1048	1.1048	1.0164	1.0164	1.0164	0.0000	5,317.4604	5,317.4604	1.7198		5,360.4547
Total	3.1076	28.3564	15.7325	0.0549	9.9800e-003	1.1048	1.1148	1.0800e-003	1.0164	1.0175	0.0000	5,317.4604	5,317.4604	1.7198		5,360.4547

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	1.2000e-004	4.1000e-003	9.3000e-004	1.0000e-005	0.0135	1.0000e-005	0.0135	1.3900e-003	1.0000e-005	1.4000e-003	1.2593	1.2593	1.2593	1.1000e-004		1.2621
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
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	168.5494	168.5494	168.5494	5.0300e-003		168.6752
Total	0.0735	0.0536	0.5679	1.7000e-003	9.9018	1.1600e-003	9.9030	1.0130	1.0700e-003	1.0140	169.8087	169.8087	169.8087	5.1400e-003		169.9373

3.21 07.1 Stringing Activities/Transfer Conductor/Sagging

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					4.8200e-003	0.0000	4.8200e-003	5.2000e-004	0.0000	5.2000e-004			0.0000			0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494	1.0084	1.0084	1.0084	0.9277	0.9277	0.9277	4,786.992	2	4,786.992	1.5482		4,825.697
Total	2.6392	26.0468	15.1818	0.0494	4.8200e-003	1.0084	1.0132	5.2000e-004	0.9277	0.9283	4,786.992	2	4,786.992	1.5482		4,825.697

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	1.4000e-004	5.0700e-003	1.1500e-003	1.0000e-005	0.0167	2.0000e-005	0.0167	1.7200e-003	2.0000e-005	1.7300e-003	1.5570	1.5570	1.5570	1.4000e-004		1.5604
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

Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	168.5494	168.5494	5.0300e-003	168.6752
Total	0.0735	0.0545	0.5681	1.7000e-003	9.9050	1.1700e-003	9.9062	1.0133	1.0800e-003	1.0144	170.1064	170.1064	5.1700e-003	170.2356

Mitigated Construction On-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					4.8200e-003	0.0000	4.8200e-003	5.2000e-004	0.0000	5.2000e-004			0.0000			0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494	1.0084	1.0084	1.0084	0.9277	0.9277	0.9277	0.0000	4,786.992	4,786.992	1.5482		4,825.697
Total	2.6392	26.0468	15.1818	0.0494	4.8200e-003	1.0084	1.0132	5.2000e-004	0.9277	0.9283	0.0000	4,786.992	4,786.992	1.5482		4,825.697

Mitigated Construction Off-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	1.4000e-004	5.0700e-003	1.1500e-003	1.0000e-005	0.0167	2.0000e-005	0.0167	1.7200e-003	2.0000e-005	1.7300e-003			1.5570	1.4000e-004		1.5604
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
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126			168.5494	5.0300e-003		168.6752
Total	0.0735	0.0545	0.5681	1.7000e-003	9.9050	1.1700e-003	9.9062	1.0133	1.0800e-003	1.0144	170.1064	170.1064	5.1700e-003	170.2356		170.2356

3.22 05.3 Foundation Construction (Pier) - Seg 3 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0631	0.0000	0.0631	7.3300e-003	0.0000	7.3300e-003			0.0000			0.0000
Off-Road	1.2934	11.7070	10.1707	0.0213		0.5723	0.5723		0.5383	0.5383			2,054.1743	0.5558		2,068.0692
Total	1.2934	11.7070	10.1707	0.0213	0.0631	0.5723	0.6354	7.3300e-003	0.5383	0.5456			2,054.1743	0.5558		2,068.0692

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0438	1.5470	0.3512	4.3400e-003	5.0899	4.9400e-003	5.0948	0.5236	4.7200e-003	0.5283			474.8721	0.0418		475.9178
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
Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063			84.2747	2.5200e-003		84.3376
Total	0.0805	1.5717	0.6347	5.1900e-003	10.0340	5.5200e-003	10.0395	1.0294	5.2500e-003	1.0346			559.1468	0.0444		560.2554

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0631	0.0000	0.0631	7.3300e-003	0.0000	7.3300e-003			0.0000			0.0000

Off-Road	1.2934	11.7070	10.1707	0.0213	0.5723	0.5723	0.5383	0.5383	0.0000	2,054.174 ₃	2,054.174 ₃	0.5558	2,068.069 ₂
Total	1.2934	11.7070	10.1707	0.0213	0.5723	0.6354	0.5383	0.5456	0.0000	2,054.174₃	2,054.174₃	0.5558	2,068.069₂

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0438	1.5470	0.3512	4.3400e-003	5.0899	4.9400e-003	5.0948	0.5236	4.7200e-003	0.5283		474.8721	474.8721	0.0418		475.9178
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0367	0.0247	0.2835	8.5000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063		84.2747	84.2747	2.5200e-003		84.3376
Total	0.0805	1.5717	0.6347	5.1900e-003	10.0340	5.5200e-003	10.0395	1.0294	5.2500e-003	1.0346		559.1468	559.1468	0.0444		560.2554

3.23 06.3 Structure Installation and Assembly - Seg 3 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0189	0.0000	0.0189	2.0400e-003	0.0000	2.0400e-003			0.0000			0.0000
Off-Road	3.1076	28.3564	15.7325	0.0549	1.1048	1.1048	1.1048	1.0164	1.0164	1.0164		5,317.460 ₄	5,317.460 ₄	1,7198		5,360.454 ₇
Total	3.1076	28.3564	15.7325	0.0549	0.0189	1.1048	1.1237	2.0400e-003	1.0164	1.0185		5,317.460₄	5,317.460₄	1,7198		5,360.454₇

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	4.4000e-004	0.0155	3.5200e-003	4.0000e-005	0.0510	5.0000e-005	0.0510	5.2500e-003	5.0000e-005	5.2900e-003	4.7574	4.7574	4.7574	4.2000e-004		4.7679
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
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	168.5494	168.5494	168.5494	5.0300e-003		168.6752
Total	0.0738	0.0650	0.5704	1.7300e-003	9.9393	1.2000e-003	9.9405	1.0168	1.1100e-003	1.0179	173.3068	173.3068	173.3068	5.4500e-003		173.4431

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.0189	0.0000	0.0189	2.0400e-003	0.0000	2.0400e-003	0.0000	0.0000	0.0000			0.0000
Off-Road	3.1076	28.3564	15.7325	0.0549	1.1048	1.1048	1.1048	1.0164	1.0164	1.0164	0.0000	5,317.4604	5,317.4604	1.7198		5,360.4547
Total	3.1076	28.3564	15.7325	0.0549	0.0189	1.1048	1.1237	2.0400e-003	1.0164	1.0185	0.0000	5,317.4604	5,317.4604	1.7198		5,360.4547

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	4.4000e-004	0.0155	3.5200e-003	4.0000e-005	0.0510	5.0000e-005	0.0510	5.2500e-003	5.0000e-005	5.2900e-003	4.7574	4.7574	4.7574	4.2000e-004		4.7679

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	0.0000	0.0000	0.0000	0.0000	
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	1.0126	1.0126	1.0126	1.0126	1.0126	1.0126	1.0126	1.0126	1.0126	1.0126	1.0126
Total	0.0738	0.0650	0.5704	1.7300e-003	9.9393	1.2000e-003	9.9405	1.0168	1.1100e-003	1.0179	1.0179	1.0179	1.0179	1.0179	1.0179	1.0179	1.0179	1.0179	1.0179	1.0179	1.0179

3.24 10.3 Substation Work (Escondido) below grade - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7688	8.5937	4.1003	0.0144		0.3208	0.3208		0.2951	0.2951		1,398.4910	1,398.4910	0.4523		1,409.7985
Total	0.7688	8.5937	4.1003	0.0144	0.0000	0.3208	0.3208	0.0000	0.2951	0.2951		1,398.4910	1,398.4910	0.4523		1,409.7985

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	5.3000e-004	0.0186	4.2200e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.7088	5.7088	5.0000e-004		5.7214
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0294	0.0198	0.2268	6.8000e-004	6.4205	4.6000e-004	6.4210	0.6511	4.2000e-004	0.6516		67.4198	67.4198	2.0100e-003		67.4701
Total	0.0299	0.0384	0.2310	7.3000e-004	6.5197	5.2000e-004	6.5203	0.6612	4.8000e-004	0.6617		73.1286	73.1286	2.5100e-003		73.1915

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7688	8.5937	4.1003	0.0144		0.3208	0.3208		0.2951	0.2951	0.0000	1,398.4910	1,398.4910	0.4523		1,409.7985
Total	0.7688	8.5937	4.1003	0.0144	0.0000	0.3208	0.3208	0.0000	0.2951	0.2951	0.0000	1,398.4910	1,398.4910	0.4523		1,409.7985

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	5.3000e-004	0.0186	4.2200e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.7088	5.7088	5.0000e-004		5.7214
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0294	0.0198	0.2268	6.8000e-004	6.4205	4.6000e-004	6.4210	0.6511	4.2000e-004	0.6516		67.4198	67.4198	2.0100e-003		67.4701
Total	0.0299	0.0384	0.2310	7.3000e-004	6.5197	5.2000e-004	6.5203	0.6612	4.8000e-004	0.6617		73.1286	73.1286	2.5100e-003		73.1915

3.25 10.4 Substation Work (Escondido) above grade - 2020

Unmitigated Construction On-Site

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

Off-Road	1.1510	10.5024	5.8268	0.0203	0.4092	0.4092	0.3765	0.3765	1,969.4298	0.6370	1,985.3536
Total	1.1510	10.5024	5.8268	0.0203	0.4092	0.4092	0.3765	0.3765	1,969.4298	0.6370	1,985.3536

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	5.3000e-004	0.0186	4.2200e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.7088	5.7088	5.0000e-004		5.7214
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1248	0.0841	0.9638	2.8800e-003	27.2872	1.9600e-003	27.2891	2.7674	1.8100e-003	2.7692		286.5340	286.5340	8.5600e-003		286.7479
Total	0.1253	0.1027	0.9680	2.9300e-003	27.3864	2.0200e-003	27.3884	2.7775	1.8700e-003	2.7793		292.2428	292.2428	9.0600e-003		292.4693

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.1510	10.5024	5.8268	0.0203	0.4092	0.4092	0.4092	0.3765	0.3765	0.3765	0.0000	1,969.4298	1,969.4298	0.6370		1,985.3536
Total	1.1510	10.5024	5.8268	0.0203	0.4092	0.4092	0.4092	0.3765	0.3765	0.3765	0.0000	1,969.4298	1,969.4298	0.6370		1,985.3536

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	5.3000e-004	0.0186	4.2200e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.7088	5.7088	5.0000e-004		5.7214
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1248	0.0841	0.9638	2.8800e-003	27.2872	1.9600e-003	27.2891	2.7674	1.8100e-003	2.7692		286.5340	286.5340	8.5600e-003		286.7479
Total	0.1253	0.1027	0.9680	2.9300e-003	27.3864	2.0200e-003	27.3884	2.7775	1.8700e-003	2.7793		292.2428	292.2428	9.0600e-003		292.4693

3.26 07.2 Stringing Activities/Transfer Conductor/Sagging

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0244	0.0000	0.0244	2.6400e-003	0.0000	2.6400e-003			0.0000			0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494		1.0084	1.0084		0.9277	0.9277		4,786.9922	4,786.9922	1.5482		4,825.6975
Total	2.6392	26.0468	15.1818	0.0494	0.0244	1.0084	1.0328	2.6400e-003	0.9277	0.9304		4,786.9922	4,786.9922	1.5482		4,825.6975

Unmitigated Construction Off-Site

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

Hauling	4.8000e-004	0.0169	3.8400e-003	5.0000e-005	0.0557	0.0557	5.0000e-005	5.7200e-003	5.0000e-005	5.7700e-003	5.1899	4.6000e-004	5.2013
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
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8895	9.8895	1.1500e-003	1.0116	1.0600e-003	1.0126	168.5494	5.0300e-003	168.6752
Total	0.0739	0.0664	0.5708	1.7400e-003	9.9439	9.9452	1.2000e-003	1.0173	1.1100e-003	1.0184	173.7393	5.4900e-003	173.8765

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.0244	0.0000	0.0244	2.6400e-003	0.0000	2.6400e-003			0.0000			0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494	1.0084	1.0084	1.0084	0.9277	0.9277	0.9277	0.0000	4,786.992	1.5482	1.5482		4,825.697
Total	2.6392	26.0468	15.1818	0.0494	0.0244	1.0084	1.0328	2.6400e-003	0.9277	0.9304	0.0000	4,786.992	1.5482	1.5482	2	4,825.697

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	4.8000e-004	0.0169	3.8400e-003	5.0000e-005	0.0556	5.0000e-005	0.0557	5.7200e-003	5.0000e-005	5.7700e-003	5.1899	4.6000e-004	5.2013			
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			
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8895	9.8895	1.1500e-003	1.0116	1.0600e-003	1.0126	168.5494	5.0300e-003	168.6752			
Total	0.0739	0.0664	0.5708	1.7400e-003	9.9439	9.9452	1.2000e-003	1.0173	1.1100e-003	1.0184	173.7393	5.4900e-003	173.8765			

**3.27 09.1 Demobilization/ROW Restoration and Cleanup/Road
Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337		0.9143	0.9143	0.8411	0.8411	0.8411		3,259.830	3,259.830	1.0543		3,286.187
Total	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.0000	0.8411	0.8411		3,259.830	3,259.830	1.0543		3,286.187

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	2.3000e-004	8.2000e-003	1.8600e-003	2.0000e-005	0.0270	3.0000e-005	0.0270	2.7800e-003	3.0000e-005	2.8000e-003		2.5186	2.5186	2.2000e-004		2.5242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752
Total	0.0736	0.0577	0.5688	1.7100e-003	9.9153	1.1800e-003	9.9165	1.0143	1.0900e-003	1.0154		171.0680	171.0680	5.2500e-003		171.1994

Mitigated Construction On-Site

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

Category	lb/day										
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337	0.9143	0.9143	0.8411	0.8411	0.0000	3,259.830 ²	1.0543
Total	2.1160	20.0741	13.5649	0.0337	0.9143	0.9143	0.8411	0.8411	0.0000	3,259.830²	1.0543
											3,286.187⁶

Mitigated Construction Off-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	2.3000e-004	8.2000e-003	1.8600e-003	2.0000e-005	0.0270	3.0000e-005	0.0270	2.7800e-003	3.0000e-005	2.8000e-003		2.5186	2.5186	2.2000e-004		2.5242
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6732
Total	0.0736	0.0577	0.5688	1.7100e-003	9.9153	1.1800e-003	9.9165	1.0143	1.0900e-003	1.0154		171.0680	171.0680	5.2500e-003		171.1994

3.28 07.3 Stringing Activities/Transfer Conductor/Sagging
Unmitigated Construction On-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					7.3900e-003	0.0000	7.3900e-003	8.0000e-004	0.0000	8.0000e-004		0.0000	0.0000			0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494	1.0084	1.0084	1.0084	0.9277	0.9277	0.9277		4,786.992 ²	4,786.992 ²	1.5482		4,825.697 ⁵
Total	2.6392	26.0468	15.1818	0.0494	7.3900e-003	1.0084	1.0158	8.0000e-004	0.9277	0.9285		4,786.992²	4,786.992²	1.5482		4,825.697⁵

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	2.4000e-004	8.4500e-003	1.9200e-003	2.0000e-005	0.0278	3.0000e-005	0.0278	2.8600e-003	3.0000e-005	2.8900e-003		2.5949	2.5949	2.3000e-004		2.6006
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752
Total	0.0736	0.0579	0.5688	1.7100e-003	9.9161	1.1800e-003	9.9173	1.0144	1.0900e-003	1.0155		171.1443	171.1443	5.2600e-003		171.2759

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					7.3900e-003	0.0000	7.3900e-003	8.0000e-004	0.0000	8.0000e-004			0.0000			0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494	1.0084	1.0084	1.0084	0.9277	0.9277	0.9277		4,786.992	4,786.992	1.5482		4,825.6975
Total	2.6392	26.0468	15.1818	0.0494	7.3900e-003	1.0084	1.0158	8.0000e-004	0.9277	0.9285		4,786.992	4,786.992	1.5482		4,825.6975

Mitigated Construction Off-Site

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

Category	lb/day										lb/day				
Hauling	2.4000e-004	8.4500e-003	1.9200e-003	2.0000e-005	0.0278	3.0000e-005	0.0278	2.8600e-003	3.0000e-005	2.8900e-003	2.5949	2.5949	2.3000e-004	2.6006	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	168.5494	168.5494	5.0300e-003	168.6752	
Total	0.0736	0.0579	0.5688	1.7100e-003	9.9161	1.1800e-003	9.9173	1.0144	1.0900e-003	1.0155	171.1443	171.1443	5.2600e-003	171.2759	

**3.29 09.3 Demobilization/ROW Restoration and Cleanup/Road
Unmitigated Construction On-Site**

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
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337	0.9143	0.9143	0.9143	0.8411	0.8411	0.8411	3,259.830	2	3,259.830	1.0543		3,286.1876
Total	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.0000	0.8411	0.8411	3,259.830	2	3,259.830	1.0543		3,286.1876

Unmitigated Construction Off-Site

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
Hauling	1.8000e-004	6.2000e-003	1.4100e-003	2.0000e-005	0.0204	2.0000e-005	0.0204	2.1000e-003	2.0000e-005	2.1200e-003	1.9030	1.9030	1.7000e-004	1.9071		
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	168.5494	168.5494	5.0300e-003	168.6752		

Total	0.0736	0.0557	0.5683	1.7100e-003	9.9087	1.1700e-003	9.9099	1.0137	1.0800e-003	1.0147	170.4524	170.4524	5.2000e-003	170.5824
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Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.8411	0.8411	0.8411	0.0000	3,259.830	3,259.830	1.0543		3,286.187
Total	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.8411	0.8411	0.8411	0.0000	3,259.830	3,259.830	1.0543		3,286.187

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	1.8000e-004	6.2000e-003	1.4100e-003	2.0000e-005	0.0204	2.0000e-005	0.0204	2.1000e-003	2.0000e-005	2.1200e-003		1.9030	1.9030	1.7000e-004		1.9071
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752
Total	0.0736	0.0557	0.5683	1.7100e-003	9.9087	1.1700e-003	9.9099	1.0137	1.0800e-003	1.0147		170.4524	170.4524	5.2000e-003		170.5824

**3.30 09.2 Demobilization/ROW Restoration and Cleanup/Road
Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337		0.9143	0.9143		0.8411	0.8411		3,259.8302	3,259.8302	1.0543		3,286.1876
Total	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.0000	0.8411	0.8411		3,259.8302	3,259.8302	1.0543		3,286.1876

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	2.4000e-004	8.4500e-003	1.9200e-003	2.0000e-005	0.0278	3.0000e-005	0.0278	2.8600e-003	3.0000e-005	2.8900e-003		2.5949	2.5949	2.3000e-004		2.6006
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752
Total	0.0736	0.0579	0.5688	1.7100e-003	9.9161	1.1800e-003	9.9173	1.0144	1.0900e-003	1.0155		171.1443	171.1443	5.2600e-003		171.2759

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337		0.9143	0.9143		0.8411	0.8411		3,259.8302	3,259.8302	1.0543		3,286.1876

Total	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.0000	0.8411	0.8411	0.0000	3,259.830 ²	3,259.830 ²	1.0543	3,286.187 ⁶
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Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	2.4000e-004	8.4500e-003	1.9200e-003	2.0000e-005	0.0278	3.0000e-005	0.0278	2.8600e-003	3.0000e-005	2.8900e-003		2.5949	2.5949	2.3000e-004		2.6006
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0495	0.5669	1.6900e-003	9.8863	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		168.5494	168.5494	5.0300e-003		168.6752
Total	0.0736	0.0579	0.5688	1.7100e-003	9.9161	1.1800e-003	9.9173	1.0144	1.0900e-003	1.0155		171.1443	171.1443	5.2600e-003		171.2759

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate		Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Sunday		
User Defined Industrial	0.00	0.00		
Total	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles		Trip %		Trip Purpose %	
	H-W or C-W	H-S or C-C	H-S or C-C	H-W or C-W	Primary	Diverted
User Defined Industrial	9.50	7.30	7.30	0.00	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

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

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

6.0 Area Detail

6.1 Mitigation Measures Area

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
Mitigated	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000	0.0000		2.3000e-004

6.2 Area by SubCategory
Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000	0.0000		2.3000e-004

Mitigated

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

Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000	2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000	2.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

SDG&E TL 6975 Project - San Diego County, Winter

**SDG&E TL 6975 Project
San Diego County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	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	2021

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MW/hr)	720.49	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics -
Land Use -

Construction Phase - Overall construction schedule (December 2019 - November 2020) and general phases provided by client; schedule was prepared based on total number of work days with assumptions regarding schedule overlaps.
Off-road Equipment -

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; mower assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; pressure digger is substituted by bore/drill rig.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; pressure digger is substituted by bore/drill rig.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; pressure digger is substituted by bore/drill rig.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

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Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; double-bullwheel and drum puller assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; double-bullwheel and drum puller assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; double-bullwheel and drum puller assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; wire dolly and pulling rig assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; mower assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; mower assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; mower assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; ditch witch substituted with a trencher.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; ditch witch substituted with a trencher.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; ditch witch substituted with a trencher.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -
Off-road Equipment -

Trips and VMT - Based on information provided by client. All delivery trips accounted for with haul truck trips, using default trip lengths of 20 miles.
Grading - Acres to be graded based on data from project description and assumptions based on work areas for poles.

On-road Fugitive Dust - Assumes 5% of vehicle travel would be on unpaved roads, with a mean vehicle speed of 15mph.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	15.00
tblConstructionPhase	NumDays	0.00	15.00
tblConstructionPhase	NumDays	0.00	28.00
tblConstructionPhase	NumDays	0.00	48.00
tblConstructionPhase	NumDays	0.00	31.00
tblConstructionPhase	NumDays	0.00	31.00
tblConstructionPhase	NumDays	0.00	15.00
tblConstructionPhase	NumDays	0.00	98.00
tblConstructionPhase	NumDays	0.00	77.00
tblConstructionPhase	NumDays	0.00	2.00
tblConstructionPhase	NumDays	0.00	68.00
tblConstructionPhase	NumDays	0.00	55.00
tblConstructionPhase	NumDays	0.00	11.00
tblConstructionPhase	NumDays	0.00	18.00
tblConstructionPhase	NumDays	0.00	15.00
tblConstructionPhase	NumDays	0.00	33.00
tblConstructionPhase	NumDays	0.00	34.00
tblConstructionPhase	NumDays	0.00	33.00
tblConstructionPhase	NumDays	0.00	45.00
tblConstructionPhase	NumDays	0.00	33.00
tblConstructionPhase	NumDays	0.00	30.00
tblConstructionPhase	NumDays	0.00	63.00
tblConstructionPhase	NumDays	0.00	33.00
tblConstructionPhase	PhaseEndDate	3/6/2023	12/29/2019
tblConstructionPhase	PhaseEndDate	2/13/2023	4/9/2020

tblConstructionPhase	PhaseEndDate	3/6/2023	7/17/2020
tblConstructionPhase	PhaseEndDate	1/23/2023	12/29/2019
tblConstructionPhase	PhaseEndDate	7/30/2020	2/27/2020
tblConstructionPhase	PhaseEndDate	10/6/2020	3/26/2020
tblConstructionPhase	PhaseEndDate	11/18/2020	4/10/2020
tblConstructionPhase	PhaseEndDate	12/31/2020	4/10/2020
tblConstructionPhase	PhaseEndDate	1/21/2021	3/19/2020
tblConstructionPhase	PhaseEndDate	6/8/2021	7/15/2020
tblConstructionPhase	PhaseEndDate	9/23/2021	7/13/2020
tblConstructionPhase	PhaseEndDate	9/27/2021	4/13/2020
tblConstructionPhase	PhaseEndDate	12/30/2021	7/15/2020
tblConstructionPhase	PhaseEndDate	3/17/2022	6/26/2020
tblConstructionPhase	PhaseEndDate	4/1/2022	6/15/2020
tblConstructionPhase	PhaseEndDate	4/27/2022	7/1/2020
tblConstructionPhase	PhaseEndDate	5/18/2022	6/26/2020
tblConstructionPhase	PhaseEndDate	7/4/2022	8/12/2020
tblConstructionPhase	PhaseEndDate	8/19/2022	8/13/2020
tblConstructionPhase	PhaseEndDate	10/5/2022	9/28/2020
tblConstructionPhase	PhaseEndDate	12/7/2022	10/15/2020
tblConstructionPhase	PhaseEndDate	1/23/2023	11/12/2020
tblConstructionPhase	PhaseEndDate	5/6/2020	4/16/2020
tblConstructionPhase	PhaseEndDate	6/22/2020	3/5/2020
tblConstructionPhase	PhaseEndDate	3/6/2023	12/29/2019
tblConstructionPhase	PhaseStartDate	3/7/2023	12/30/2019
tblConstructionPhase	PhaseStartDate	1/24/2023	3/20/2020
tblConstructionPhase	PhaseStartDate	2/14/2023	6/27/2020
tblConstructionPhase	PhaseStartDate	1/24/2023	12/30/2019
tblConstructionPhase	PhaseStartDate	6/23/2020	1/21/2020
tblConstructionPhase	PhaseStartDate	7/31/2020	1/21/2020
tblConstructionPhase	PhaseStartDate	10/7/2020	2/28/2020
tblConstructionPhase	PhaseStartDate	11/19/2020	2/28/2020

tblConstructionPhase	PhaseStartDate	1/1/2021	2/28/2020
tblConstructionPhase	PhaseStartDate	1/22/2021	3/2/2020
tblConstructionPhase	PhaseStartDate	6/9/2021	3/27/2020
tblConstructionPhase	PhaseStartDate	9/24/2021	4/10/2020
tblConstructionPhase	PhaseStartDate	9/28/2021	4/13/2020
tblConstructionPhase	PhaseStartDate	12/31/2021	4/13/2020
tblConstructionPhase	PhaseStartDate	3/18/2022	6/1/2020
tblConstructionPhase	PhaseStartDate	4/2/2022	6/8/2020
tblConstructionPhase	PhaseStartDate	4/28/2022	6/8/2020
tblConstructionPhase	PhaseStartDate	5/19/2022	6/29/2020
tblConstructionPhase	PhaseStartDate	7/5/2022	6/29/2020
tblConstructionPhase	PhaseStartDate	8/20/2022	8/13/2020
tblConstructionPhase	PhaseStartDate	10/6/2022	8/14/2020
tblConstructionPhase	PhaseStartDate	12/8/2022	9/29/2020
tblConstructionPhase	PhaseStartDate	2/8/2020	1/21/2020
tblConstructionPhase	PhaseStartDate	5/7/2020	1/21/2020
tblConstructionPhase	PhaseStartDate	3/7/2023	12/30/2019
tblGrading	AcresOfGrading	0.00	0.18
tblGrading	AcresOfGrading	0.00	0.06
tblGrading	AcresOfGrading	0.00	0.04
tblGrading	AcresOfGrading	0.00	0.32
tblGrading	AcresOfGrading	0.00	0.10
tblGrading	AcresOfGrading	0.00	1.85
tblGrading	AcresOfGrading	0.00	0.01
tblGrading	AcresOfGrading	0.00	0.64
tblGrading	AcresOfGrading	0.00	0.25
tblGrading	AcresOfGrading	0.00	0.53
tblGrading	AcresOfGrading	0.00	0.32
tblGrading	AcresOfGrading	0.00	0.76
tblGrading	AcresOfGrading	8.50	0.00
tblGrading	AcresOfGrading	0.00	0.23

tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblTripsAndVMT	Hauling TripNumber	0.00	2.00
tblTripsAndVMT	Hauling TripNumber	0.00	2.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	558.00	281.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	117.00	61.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	2.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	1.00
tblTripsAndVMT	Hauling TripNumber	0.00	2.00
tblTripsAndVMT	Hauling TripNumber	0.00	0.00
tblTripsAndVMT	Hauling TripNumber	0.00	2.00
tblTripsAndVMT	Worker TripNumber	10.00	0.00
tblTripsAndVMT	Worker TripNumber	35.00	20.00

Year	lb/day															
2019	3.1517	30.0906	18.8456	0.0417	46.5438	2.6181	47.9958	4.7415	2.4591	6.0774	0.0000	4,147.1318	4,147.1318	1.2151	0.0000	4,177.5083
2020	15.6381	142.7374	89.6673	0.2753	80.4126	5.8495	86.2621	8.2048	5.3935	13.5983	0.0000	26,714.9397	26,714.9397	8.1453	0.0000	26,918.5740
Maximum	15.6381	142.7374	89.6673	0.2753	80.4126	5.8495	86.2621	8.2048	5.3935	13.5983	0.0000	26,714.9397	26,714.9397	8.1453	0.0000	26,918.5740

Mitigated Construction

Year	lb/day															
2019	3.1517	30.0906	18.8456	0.0417	46.5438	2.6181	47.9958	4.7415	2.4591	6.0774	0.0000	4,147.1318	4,147.1318	1.2151	0.0000	4,177.5083
2020	15.6381	142.7374	89.6673	0.2753	80.4126	5.8495	86.2621	8.2048	5.3935	13.5983	0.0000	26,714.9397	26,714.9397	8.1453	0.0000	26,918.5740
Maximum	15.6381	142.7374	89.6673	0.2753	80.4126	5.8495	86.2621	8.2048	5.3935	13.5983	0.0000	26,714.9397	26,714.9397	8.1453	0.0000	26,918.5740

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

**2.2 Overall Operational
Unmitigated Operational**

Category	lb/day															
Area	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	2.2000e-004	0.0000	0.0000	2.3000e-004

6	Paving		12/30/2019	12/29/2019	5	0
7	Architectural Coating	Architectural Coating	12/30/2019	12/29/2019	5	0
8	02 Access Road	Grading	1/21/2020	4/16/2020	5	63
9	03 Material Haul	Grading	1/21/2020	3/5/2020	5	33
10	04.1 Auger Holes, Direct Bury Poles - Seq. 1	Grading	1/21/2020	2/27/2020	5	28
11	05.1 Foundation Construction (Pier) - Seq. 1	Grading	1/21/2020	3/26/2020	5	48
12	04.2 Auger Holes, Direct Bury Poles - Seq. 2	Grading	2/28/2020	4/10/2020	5	31
13	06.1 Structure Installation and Assembly - Seq. 1	Grading	2/28/2020	4/10/2020	5	31
14	10.1 Substation Work (San Marcos) below grade	Grading	2/28/2020	3/19/2020	5	15
15	08 Trenching for Installation of Underground Cables	Grading	3/2/2020	7/15/2020	5	98
16	10.2 Substation Work (San Marcos) above grade	Building Construction	3/20/2020	4/9/2020	5	15
17	05.2 Foundation Construction (Pier) - Seq. 2	Grading	3/27/2020	7/13/2020	5	77
18	04.3 Auger Holes, Direct Bury Poles - Seq. 3	Grading	4/10/2020	4/13/2020	5	2
19	06.2 Structure Installation and Assembly - Seq. 2	Grading	4/13/2020	7/15/2020	5	68
20	07.1 Stringing Activities/Transfer Conductor/Sagging Activities - (Pier) - Seq. 3	Grading	4/13/2020	6/26/2020	5	55
21	05.3 Foundation Construction (Pier) - Seq. 3	Grading	6/1/2020	6/15/2020	5	11
22	06.3 Structure Installation and Assembly - Seq. 3	Grading	6/8/2020	7/1/2020	5	18
23	10.3 Substation Work (Esccondido) below grade	Grading	6/8/2020	6/26/2020	5	15
24	10.4 Substation Work (Esccondido) above grade	Building Construction	6/27/2020	7/17/2020	5	15
25	07.2 Stringing Activities/Transfer Conductor/Sagging Activities - Restoration and Cleanup/Road	Grading	6/29/2020	8/12/2020	5	33
26	09.1 Demobilization/ROW	Grading	6/29/2020	8/13/2020	5	34
27	07.3 Stringing Activities/Transfer Conductor/Sagging Activities - Restoration and Cleanup/Road	Grading	8/13/2020	9/28/2020	5	33
28	09.3 Demobilization/ROW	Grading	8/14/2020	10/15/2020	5	45
29	09.2 Demobilization/ROW	Grading	9/29/2020	11/12/2020	5	33

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
01 Pre-Construction Activities	Concrete/Industrial Saws	0	8.00	81	0.73
01 Pre-Construction Activities	Excavators	2	3.00	162	0.38
01 Pre-Construction Activities	Graders	2	5.00	174	0.41
01 Pre-Construction Activities	Off-Highway Trucks	2	3.00	250	0.38
01 Pre-Construction Activities	Off-Highway Trucks	2	4.00	250	0.38
01 Pre-Construction Activities	Off-Highway Trucks	1	4.00	250	0.38
01 Pre-Construction Activities	Other Construction Equipment	2	4.00	74	0.42
01 Pre-Construction Activities	Rubber Tired Dozers	0	1.00	247	0.40
01 Pre-Construction Activities	Tractors/Loaders/Backhoes	2	4.00	37	0.37
01 Pre-Construction Activities	Tractors/Loaders/Backhoes	1	4.00	250	0.37
02 Access Road Construction/Refreshina	Concrete/Industrial Saws	0	8.00	81	0.73
02 Access Road Construction/Refreshina	Graders	1	6.00	174	0.41
02 Access Road Construction/Refreshina	Off-Highway Tractors	1	4.00	250	0.44
02 Access Road Construction/Refreshina	Off-Highway Trucks	2	5.00	250	0.38

02 Access Road Construction/Refreshing	Rubber Tired Dozers	0	1.00	247	0.40
02 Access Road Construction/Refreshing	Tractors/Loaders/Backhoes	0	6.00	97	0.37
03 Material Haul	Concrete/Industrial Saws	0	8.00	81	0.73
03 Material Haul	Cranes	2	4.00	250	0.29
03 Material Haul	Forklifts	2	4.00	83	0.20
03 Material Haul	Rubber Tired Dozers	0	1.00	247	0.40
03 Material Haul	Tractors/Loaders/Backhoes	0	6.00	97	0.37
04.1 Auger Holes, Direct Bury Poles - Seq.1	Air Compressors	2	4.00	78	0.48
04.1 Auger Holes, Direct Bury Poles - Seq.1	Bore/Drill Rigs	2	6.00	82	0.50
04.1 Auger Holes, Direct Bury Poles - Seq.1	Bore/Drill Rigs	1	4.00	82	0.50
04.1 Auger Holes, Direct Bury Poles - Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	6.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	5.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	4.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	4.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Rubber Tired Dozers	0	1.00	247	0.40
04.1 Auger Holes, Direct Bury Poles - Seq.1	Tractors/Loaders/Backhoes	1	3.00	250	0.37
04.2 Auger Holes, Direct Bury Poles - Seq.2	Air Compressors	2	4.00	78	0.48
04.2 Auger Holes, Direct Bury Poles - Seq.2	Bore/Drill Rigs	2	6.00	82	0.50
04.2 Auger Holes, Direct Bury Poles - Seq.2	Bore/Drill Rigs	1	4.00	82	0.50
04.2 Auger Holes, Direct Bury Poles - Seq.2	Concrete/Industrial Saws	0	8.00	81	0.73
04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	6.00	250	0.38
04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	5.00	250	0.38
04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	4.00	250	0.38
04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	4.00	250	0.38
04.2 Auger Holes, Direct Bury Poles - Seq.2	Rubber Tired Dozers	0	1.00	247	0.40
04.2 Auger Holes, Direct Bury Poles - Seq.2	Tractors/Loaders/Backhoes	1	3.00	250	0.37
04.3 Auger Holes, Direct Bury Poles - Seq.3	Air Compressors	2	4.00	78	0.48
04.3 Auger Holes, Direct Bury Poles - Seq.3	Bore/Drill Rigs	2	6.00	82	0.50
04.3 Auger Holes, Direct Bury Poles - Seq.3	Bore/Drill Rigs	1	4.00	82	0.50
04.3 Auger Holes, Direct Bury Poles - Seq.3	Concrete/Industrial Saws	0	8.00	81	0.73

04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	6.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	5.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	4.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	4.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Rubber Tired Dozers	0	1.00	247	0.40
04.3 Auger Holes, Direct Bury Poles - Seq.3	Tractors/Loaders/Backhoes	1	3.00	250	0.37
05.1 Foundation Construction (Pier) - Seq.1	Air Compressors	1	4.00	78	0.48
05.1 Foundation Construction (Pier) - Seq.1	Bore/Drill Rigs	1	7.00	82	0.50
05.1 Foundation Construction (Pier) - Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
05.1 Foundation Construction (Pier) - Seq.1	Excavators	1	4.00	162	0.38
05.1 Foundation Construction (Pier) - Seq.1	Forklifts	1	3.00	83	0.20
05.1 Foundation Construction (Pier) - Seq.1	Generator Sets	1	3.00	84	0.74
05.1 Foundation Construction (Pier) - Seq.1	Off-Highway Trucks	1	3.00	250	0.38
05.1 Foundation Construction (Pier) - Seq.1	Off-Highway Trucks	1	4.00	250	0.38
05.1 Foundation Construction (Pier) - Seq.1	Off-Highway Trucks	1	3.00	250	0.38
05.1 Foundation Construction (Pier) - Seq.1	Rubber Tired Dozers	0	1.00	247	0.40
05.1 Foundation Construction (Pier) - Seq.1	Tractors/Loaders/Backhoes	1	3.00	37	0.37
05.2 Foundation Construction (Pier) - Seq.2	Air Compressors	1	4.00	78	0.48
05.2 Foundation Construction (Pier) - Seq.2	Bore/Drill Rigs	1	7.00	82	0.50
05.2 Foundation Construction (Pier) - Seq.2	Concrete/Industrial Saws	0	8.00	81	0.73
05.2 Foundation Construction (Pier) - Seq.2	Excavators	1	4.00	162	0.38
05.2 Foundation Construction (Pier) - Seq.2	Forklifts	1	3.00	83	0.20
05.2 Foundation Construction (Pier) - Seq.2	Generator Sets	1	3.00	84	0.74
05.2 Foundation Construction (Pier) - Seq.2	Off-Highway Trucks	1	3.00	250	0.38
05.2 Foundation Construction (Pier) - Seq.2	Off-Highway Trucks	1	4.00	250	0.38
05.2 Foundation Construction (Pier) - Seq.2	Off-Highway Trucks	1	3.00	250	0.38
05.2 Foundation Construction (Pier) - Seq.2	Rubber Tired Dozers	0	1.00	247	0.40
05.2 Foundation Construction (Pier) - Seq.2	Tractors/Loaders/Backhoes	1	3.00	37	0.37
05.3 Foundation Construction (Pier) - Seq.3	Air Compressors	1	4.00	78	0.48
05.3 Foundation Construction (Pier) - Seq.3	Bore/Drill Rigs	1	7.00	82	0.50
05.3 Foundation Construction (Pier) - Seq.3	Concrete/Industrial Saws	0	8.00	81	0.73

05.3 Foundation Construction (Pier) - Seq.3	Excavators	1	4.00	162	0.38
05.3 Foundation Construction (Pier) - Seq.3	Forklifts	1	3.00	83	0.20
05.3 Foundation Construction (Pier) - Seq.3	Generator Sets	1	3.00	84	0.74
05.3 Foundation Construction (Pier) - Seq.3	Off-Highway Trucks	1	3.00	250	0.38
05.3 Foundation Construction (Pier) - Seq.3	Off-Highway Trucks	1	4.00	250	0.38
05.3 Foundation Construction (Pier) - Seq.3	Off-Highway Trucks	1	3.00	250	0.38
05.3 Foundation Construction (Pier) - Seq.3	Rubber Tired Dozers	0	1.00	247	0.40
05.3 Foundation Construction (Pier) - Seq.3	Tractors/Loaders/Backhoes	1	3.00	37	0.37
06.1 Structure Installation and Assembly - Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	2	4.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	3	6.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	2	5.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	3	6.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Rubber Tired Dozers	0	1.00	247	0.40
06.1 Structure Installation and Assembly - Seq.1	Tractors/Loaders/Backhoes	0	6.00	97	0.37
06.2 Structure Installation and Assembly - Seq.2	Concrete/Industrial Saws	0	8.00	81	0.73
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	2	4.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	3	6.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	2	5.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	3	6.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Rubber Tired Dozers	0	1.00	247	0.40
06.2 Structure Installation and Assembly - Seq.2	Tractors/Loaders/Backhoes	0	6.00	97	0.37
06.3 Structure Installation and Assembly - Seq.3	Concrete/Industrial Saws	0	8.00	81	0.73
06.3 Structure Installation and Assembly - Seq.3	Off-Highway Trucks	2	4.00	250	0.38
06.3 Structure Installation and Assembly - Seq.3	Off-Highway Trucks	3	6.00	250	0.38
06.3 Structure Installation and Assembly - Seq.3	Off-Highway Trucks	2	5.00	250	0.38
06.3 Structure Installation and Assembly - Seq.3	Off-Highway Trucks	3	6.00	250	0.38
06.3 Structure Installation and Assembly - Seq.3	Rubber Tired Dozers	0	1.00	247	0.40
06.3 Structure Installation and Assembly - Seq.3	Tractors/Loaders/Backhoes	0	6.00	97	0.37
07.1 Stringing Activities/Transfer Conductor/Sagging Activities - Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
07.1 Stringing Activities/Transfer Conductor/Sagging Activities - Seq.1	Forklifts	1	3.00	83	0.20

07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Off-Highway Trucks	2	6.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Off-Highway Trucks	2	4.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Off-Highway Trucks	2	4.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Off-Highway Trucks	1	4.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Off-Highway Trucks	1	5.00	82	0.44
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Other Construction Equipment	1	6.00	300	0.42
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Other Construction Equipment	1	6.00	300	0.42
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Rubber Tired Dozers	0	1.00	247	0.40
07.1 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.1	Tractors/Loaders/Backhoes	0	6.00	97	0.37
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Concrete/Industrial Saws	0	8.00	81	0.73
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Forklifts	1	3.00	83	0.20
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Off-Highway Trucks	2	6.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Off-Highway Trucks	2	4.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Off-Highway Trucks	2	4.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Off-Highway Trucks	1	4.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Off-Highway Trucks	1	5.00	82	0.38
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Other Construction Equipment	1	6.00	300	0.42
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Other Construction Equipment	1	6.00	300	0.42
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Rubber Tired Dozers	0	1.00	247	0.40
07.2 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.2	Tractors/Loaders/Backhoes	0	6.00	97	0.37
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Concrete/Industrial Saws	0	8.00	81	0.73
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Forklifts	1	3.00	83	0.20
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Off-Highway Trucks	2	6.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Off-Highway Trucks	2	4.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Off-Highway Trucks	2	4.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Off-Highway Trucks	1	4.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Off-Highway Trucks	1	5.00	82	0.38
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Other Construction Equipment	1	6.00	300	0.42
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Other Construction Equipment	1	6.00	300	0.42
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Rubber Tired Dozers	0	1.00	247	0.40
07.3 Stringing Activities/Transfer Conductor/Sacarina Activities... Sen.3	Tractors/Loaders/Backhoes	0	6.00	97	0.37

08 Trenching for Installation of Underground Cables	Concrete/Industrial Saws	0	8.00	81	0.73
08 Trenching for Installation of Underground Cables	Cranes	1	4.00	226	0.29
08 Trenching for Installation of Underground Cables	Off-Highway Tractors	1	3.00	250	0.44
08 Trenching for Installation of Underground Cables	Off-Highway Trucks	2	3.00	400	0.38
08 Trenching for Installation of Underground Cables	Off-Highway Trucks	1	3.00	250	0.38
08 Trenching for Installation of Underground Cables	Off-Highway Trucks	1	4.00	250	0.38
08 Trenching for Installation of Underground Cables	Other Construction Equipment	1	3.00	82	0.42
08 Trenching for Installation of Underground Cables	Other Construction Equipment	1	4.00	82	0.42
08 Trenching for Installation of Underground Cables	Rubber Tired Dozers	0	1.00	247	0.40
08 Trenching for Installation of Underground Cables	Tractors/Loaders/Backhoes	1	3.00	97	0.37
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Excavators	1	4.00	162	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Graders	1	4.00	174	0.41
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Off-Highway Trucks	1	5.00	400	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Off-Highway Trucks	2	4.00	250	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Off-Highway Trucks	1	4.00	250	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Other Construction Equipment	1	4.00	74	0.42
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Rubber Tired Dozers	0	1.00	247	0.40
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Tractors/Loaders/Backhoes	1	4.00	97	0.37
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Tractors/Loaders/Backhoes	1	4.00	37	0.37
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.1	Tractors/Loaders/Backhoes	1	4.00	250	0.37
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Concrete/Industrial Saws	0	8.00	81	0.73
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Excavators	1	4.00	162	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Graders	1	4.00	174	0.41
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Off-Highway Trucks	1	5.00	400	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Off-Highway Trucks	2	4.00	250	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Off-Highway Trucks	1	4.00	250	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Other Construction Equipment	1	4.00	74	0.42
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Rubber Tired Dozers	0	1.00	247	0.40
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Tractors/Loaders/Backhoes	1	4.00	97	0.37
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, Seq.2	Tractors/Loaders/Backhoes	1	4.00	37	0.37

09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Tractors/Loaders/Backhoes	1	4.00	250	0.37
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Concrete/Industrial Saws	0	8.00	81	0.73
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Excavators	1	4.00	162	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Graders	1	4.00	174	0.41
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Off-Highway Trucks	1	5.00	400	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Off-Highway Trucks	2	4.00	250	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Off-Highway Trucks	1	4.00	250	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Other Construction Equipment	1	4.00	74	0.42
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Rubber Tired Dozers	0	1.00	247	0.40
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Tractors/Loaders/Backhoes	1	4.00	97	0.37
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Tractors/Loaders/Backhoes	1	4.00	37	0.37
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Tractors/Loaders/Backhoes	1	4.00	250	0.37
10.1 Substation Work (San Marcos) <small>below grade</small>	Bore/Drill Rigs	1	4.00	250	0.50
10.1 Substation Work (San Marcos) <small>below grade</small>	Concrete/Industrial Saws	0	8.00	81	0.73
10.1 Substation Work (San Marcos) <small>below grade</small>	Off-Highway Trucks	1	1.00	250	0.38
10.1 Substation Work (San Marcos) <small>below grade</small>	Off-Highway Trucks	1	4.00	250	0.38
10.1 Substation Work (San Marcos) <small>below grade</small>	Rubber Tired Dozers	0	1.00	247	0.40
10.1 Substation Work (San Marcos) <small>below grade</small>	Tractors/Loaders/Backhoes	0	6.00	97	0.37
10.1 Substation Work (San Marcos) <small>below grade</small>	Trenchers	1	3.00	250	0.50
10.2 Substation Work (San Marcos) <small>above grade</small>	Cranes	0	4.00	231	0.29
10.2 Substation Work (San Marcos) <small>above grade</small>	Forklifts	0	6.00	89	0.20
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Tractors	1	1.00	250	0.44
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	3.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	3.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	3.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	3.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	2	1.00	250	0.38
10.2 Substation Work (San Marcos) <small>above grade</small>	Off-Highway Trucks	1	1.00	250	0.38

10.2 Substation Work (San Marcos) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) <i>above grade</i>	Tractors/Loaders/Backhoes	0	8.00	97	0.37
10.3 Substation Work (Escondido) <i>below grade</i>	Bore/Drill Rigs	1	4.00	250	0.50
10.3 Substation Work (Escondido) <i>below grade</i>	Concrete/Industrial Saws	0	8.00	81	0.73
10.3 Substation Work (Escondido) <i>below grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.3 Substation Work (Escondido) <i>below grade</i>	Off-Highway Trucks	1	4.00	250	0.38
10.3 Substation Work (Escondido) <i>below grade</i>	Rubber Tired Dozers	0	1.00	247	0.40
10.3 Substation Work (Escondido) <i>below grade</i>	Tractors/Loaders/Backhoes	0	6.00	97	0.37
10.3 Substation Work (Escondido) <i>below grade</i>	Trenchers	1	3.00	250	0.50
10.4 Substation Work (Escondido) <i>above grade</i>	Cranes	0	4.00	231	0.29
10.4 Substation Work (Escondido) <i>above grade</i>	Forklifts	0	6.00	89	0.20
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	2	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) <i>above grade</i>	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Paving	7	0.00	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	0.00	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
01 Pre-Construction Activities	14	20.00	0.00	80.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
02 Access Road Construction/Refresh	4	10.00	0.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
03 Material Haul	4	10.00	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
04.1 Auger Holes, Direct Run Poles	14	20.00	0.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
04.2 Auger Holes, Direct Run Poles	14	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
04.3 Auger Holes, Direct Run Poles	14	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
05.1 Foundation Construction (Pier)	9	10.00	0.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
05.2 Foundation Construction (Pier)	9	10.00	0.00	281.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
05.3 Foundation Construction (Pier)	9	10.00	0.00	61.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
06.1 Structure Installation and	10	20.00	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
06.2 Structure Installation and	10	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
06.3 Structure Installation and	10	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
07.1 Stringing Activities/Transfer	11	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
07.2 Stringing Activities/Transfer	11	20.00	0.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
07.3 Stringing Activities/Transfer	11	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
08 Trenching for Installation of	9	10.00	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
09.1 Demobilization/ROW	10	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
09.2 Demobilization/ROW	10	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
09.3 Demobilization/ROW	10	20.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
10.1 Substation Work (San Marcos) below	4	8.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
10.2 Substation Work (San Marcos) above	12	34.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
10.3 Substation Work (Escondido) below	4	8.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
10.4 Substation Work (Escondido) above	12	34.00	0.00	1.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

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	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	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.3 Site Preparation - 2019
Unmitigated Construction On-Site

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

Mitigated Construction On-Site

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.5 01 Pre-Construction Activities - 2019

Unmitigated Construction On-Site

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.1004	0.0000	0.1004	0.0108	0.0000	0.0108			0.0000			0.0000
Off-Road	3.0391	29.2198	18.0755	0.0379		1.4478	1.4478		1.3320	1.3320		3,756.840	3,756.840	1.1886		3,786.5557
Total	3.0391	29.2198	18.0755	0.0379	0.1004	1.4478	1.5482	0.0108	1.3320	1.3428		3,756.840	3,756.840	1.1886		3,786.5557

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0238	0.8092	0.1863	2.0800e-003	36.5551	3.0900e-003	36.5582	3.7191	2.9600e-003	3.7220		226.9090	226.9090	0.0212		227.4381
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0616	0.5848	1.6400e-003	9.8883	1.1700e-003	9.8895	1.0116	1.0800e-003	1.0126		163.3828	163.3828	5.2700e-003		163.5146
Total	0.1126	0.8708	0.7701	3.7200e-003	46.4434	4.2600e-003	46.4476	4.7306	4.0400e-003	4.7347		390.2918	390.2918	0.0264		390.9527

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.1004	0.0000	0.1004	0.0108	0.0000	0.0108			0.0000			0.0000
Off-Road	3.0391	29.2198	18.0755	0.0379		1.4478	1.4478		1.3320	1.3320	0.0000	3,756.840	3,756.840	1.1886		3,786.5557
Total	3.0391	29.2198	18.0755	0.0379	0.1004	1.4478	1.5482	0.0108	1.3320	1.3428	0.0000	3,756.840	3,756.840	1.1886		3,786.5557

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0238	0.8092	0.1863	2.0800e-003	36.5551	3.0900e-003	36.5582	3.7191	2.9600e-003	3.7220		226.9090	226.9090	0.0212		227.4381
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0616	0.5848	1.6400e-003	9.8883	1.1700e-003	9.8895	1.0116	1.0800e-003	1.0126		163.3828	163.3828	5.2700e-003		163.5146
Total	0.1126	0.8708	0.7701	3.7200e-003	46.4434	4.2600e-003	46.4476	4.7306	4.0400e-003	4.7347		390.2918	390.2918	0.0264		390.9527

3.5 01 Pre-Construction Activities - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.1004	0.0000	0.1004	0.0108	0.0000	0.0108			0.0000			0.0000
Off-Road	2.7841	25.9162	17.6890	0.0380		1.2800	1.2800		1.1776	1.1776		3,676.1209	3,676.1209	1.1889		3,705.8442
Total	2.7841	25.9162	17.6890	0.0380	0.1004	1.2800	1.3804	0.0108	1.1776	1.1885		3,676.1209	3,676.1209	1.1889		3,705.8442

Unmitigated Construction Off-Site

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

Hauling	0.0217	0.7511	0.1801	2.0500e-003	2.6216	2.4200e-003	2.6240	0.2695	2.3200e-003	0.2718	224.4361	224.4361	0.0208		224.9562
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	158.2264	158.2264	4.7600e-003		158.3455
Total	0.1048	0.8066	0.7146	3.6400e-003	12.5099	3.5700e-003	12.5135	1.2810	3.3800e-003	1.2844	382.6625	382.6625	0.0256		383.3017

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.1004	0.0000	0.1004	0.0108	0.0000	0.0108			0.0000			0.0000
Off-Road	2.7841	25.9162	17.6890	0.0380		1.2800	1.2800	1.1776	1.1776	1.1776	0.0000	3,676.1209	3,676.1209	1.1889		3,705.8442
Total	2.7841	25.9162	17.6890	0.0380	0.1004	1.2800	1.3804	0.0108	1.1776	1.1885	0.0000	3,676.1209	3,676.1209	1.1889		3,705.8442

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0217	0.7511	0.1801	2.0500e-003	2.6216	2.4200e-003	2.6240	0.2695	2.3200e-003	0.2718	224.4361	224.4361	0.0208		224.9562	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	158.2264	158.2264	4.7600e-003		158.3455	
Total	0.1048	0.8066	0.7146	3.6400e-003	12.5099	3.5700e-003	12.5135	1.2810	3.3800e-003	1.2844	382.6625	382.6625	0.0256		383.3017	

3.6 Building Construction - 2019
Unmitigated Construction On-Site

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

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction On-Site

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

Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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	0.0000

3.8 Architectural Coating - 2019
Unmitigated Construction On-Site

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
Archit. Coating	0.0000	0.0000	0.0000	0.0000	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	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

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
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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Mitigated Construction On-Site

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

Mitigated Construction Off-Site

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

3.9 02 Access Road Construction/Refreshing - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.0480	0.0000	0.0480	5.1800e-003	0.0000	5.1800e-003			0.0000			0.0000
Off-Road	1.3250	12.9684	7.4764	0.0195		0.5793	0.5793		0.5330	0.5330		1,892.6562	1,892.6562	0.6121		1,907.9593
Total	1.3250	12.9684	7.4764	0.0195	0.0480	0.5793	0.6273	5.1800e-003	0.5330	0.5381		1,892.6562	1,892.6562	0.6121		1,907.9593

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	2.6000e-004	8.9400e-003	2.1400e-003	2.0000e-005	0.0291	3.0000e-005	0.0292	3.0000e-003	3.0000e-005	3.0200e-003		2.6719	2.6719	2.5000e-004		2.6781
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063		79.1132	79.1132	2.3800e-003		79.1727
Total	0.0418	0.0367	0.2694	8.1000e-004	4.9733	6.1000e-004	4.9739	0.5088	5.6000e-004	0.5093		81.7851	81.7851	2.6300e-003		81.8508

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.0480	0.0000	0.0480	5.1800e-003	0.0000	5.1800e-003			0.0000			0.0000
Off-Road	1.3250	12.9684	7.4764	0.0195		0.5793	0.5793		0.5330	0.5330		1,892.6562	1,892.6562	0.6121		1,907.9593
Total	1.3250	12.9684	7.4764	0.0195	0.0480	0.5793	0.5793	5.1800e-003	0.5330	0.5330		1,892.6562	1,892.6562	0.6121		1,907.9593

Total	1.3250	12.9684	7.4764	0.0195	0.0480	0.5793	0.6273	5.1800e-003	0.5330	0.5381	0.0000	1,892.6562	1,892.6562	0.6121	1,907.9593
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Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	2.6000e-004	8.9400e-003	2.1400e-003	2.0000e-005	0.0291	3.0000e-005	0.0292	3.0000e-003	3.0000e-005	3.0200e-003		2.6719	2.6719	2.5000e-004		2.6781
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063		79.1132	79.1132	2.3800e-003		79.1727
Total	0.0418	0.0367	0.2694	8.1000e-004	4.9733	6.1000e-004	4.9739	0.5088	5.6000e-004	0.5093		81.7851	81.7851	2.6300e-003		81.8508

3.10 03 Material Haul - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6250	7.0450	3.3901	7.6700e-003		0.3307	0.3307		0.3042	0.3042		742.8019	742.8019	0.2402		748.8078
Total	0.6250	7.0450	3.3901	7.6700e-003	0.0000	0.3307	0.3307	0.0000	0.3042	0.3042		742.8019	742.8019	0.2402		748.8078

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	79.1132	79.1132	2.3800e-003	2.3800e-003		79.1727
Total	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	79.1132	79.1132	2.3800e-003	2.3800e-003		79.1727

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.6250	7.0450	3.3901	7.6700e-003	0.3307	0.3307	0.3307	0.3042	0.3042	0.3042	0.0000	742.8019	742.8019	0.2402		748.8078
Total	0.6250	7.0450	3.3901	7.6700e-003	0.3307	0.3307	0.3307	0.3042	0.3042	0.3042	0.0000	742.8019	742.8019	0.2402		748.8078

Mitigated Construction Off-Site

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

Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9447	0.5058	5.3000e-004	0.5063	79.1132	79.1132	2.3800e-003	79.1727
Total	0.0416	0.0278	0.2673	7.9000e-004	4.9447	0.5058	5.3000e-004	0.5063	79.1132	79.1132	2.3800e-003	79.1727

3.11 04.1 Auger Holes, Direct Bury Poles - Seg 1 - 2020

Unmitigated Construction On-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					6.8200e-003	0.0000	6.8200e-003	7.4000e-004	0.0000	7.4000e-004			0.0000			0.0000
Off-Road	3.0035	28.3088	19.0510	0.0525	1.2097	1.2097	1.2097	1.1248	1.1248	1.1248		5,075.472	5,075.472	1.5492		5,114.202
Total	3.0035	28.3088	19.0510	0.0525	6.8200e-003	1.2097	1.2165	7.4000e-004	1.1248	1.1255		5,075.472	5,075.472	1.5492		5,114.202

Unmitigated Construction Off-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	5.8000e-004	0.0201	4.8200e-003	5.0000e-005	0.0656	6.0000e-005	0.0656	6.7400e-003	6.0000e-005	6.8100e-003		6.0117	6.0117	5.6000e-004		6.0256
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0837	0.0756	0.5393	1.6400e-003	9.9539	1.2100e-003	9.9551	1.0183	1.1200e-003	1.0194		164.2381	164.2381	5.3200e-003		164.3711

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					6.8200e-003	0.0000	6.8200e-003	7.4000e-004	0.0000	7.4000e-004			0.0000			0.0000
Off-Road	3.0035	28.3088	19.0510	0.0525		1.2097	1.2097	1.1248	1.1248	1.1248	0.0000	5.075.4727	5.075.4727	1.5492		5,114.2026
Total	3.0035	28.3088	19.0510	0.0525	6.8200e-003	1.2097	1.2165	7.4000e-004	1.1248	1.1255	0.0000	5,075.4727	5,075.4727	1.5492		5,114.2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	5.8000e-004	0.0201	4.8200e-003	5.0000e-005	0.0656	6.0000e-005	0.0656	6.7400e-003	6.0000e-005	6.8100e-003			6.0117	5.6000e-004		6.0256
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
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126			158.2264	4.7600e-003		158.3455
Total	0.0837	0.0756	0.5393	1.6400e-003	9.9539	1.2100e-003	9.9551	1.0183	1.1200e-003	1.0194			164.2381	5.3200e-003		164.3711

3.12 05.1 Foundation Construction (Pier) - Seg 1 - 2020
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					1.3300e-003	0.0000	1.3300e-003	1.4000e-004	0.0000	1.4000e-004			0.0000			0.0000

Off-Road	1.2934	11.7070	10.1707	0.0213	0.5723	0.5723	0.5383	0.5383	2,054.174 3	2,054.174 3	0.5558	2,068.069 2
Total	1.2934	11.7070	10.1707	0.0213	0.5723	0.5736	1.4000e-004	0.5383	2,054.174	2,054.174	0.5558	2,068.069

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	3.4000e-004	0.0117	2.8100e-003	3.0000e-005	0.0382	4.0000e-005	0.0383	3.9300e-003	4.0000e-005	3.9700e-003	3.5068	3.5068	3.3000e-004	0.0000		3.5149
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
Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	79.1132	79.1132	2.3800e-003	0.0000		79.1727
Total	0.0419	0.0395	0.2701	8.2000e-004	4.9824	6.2000e-004	4.9830	0.5097	5.7000e-004	0.5103	82.6200	82.6200	2.7100e-003	0.0000		82.6877

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					1.3300e-003	0.0000	1.3300e-003	1.4000e-004	0.0000	1.4000e-004	0.0000	0.0000	0.0000			0.0000
Off-Road	1.2934	11.7070	10.1707	0.0213	0.5723	0.5723	0.5723	0.5383	0.5383	0.5383	2,054.174 3	2,054.174 3	0.5558	2,068.069 2		
Total	1.2934	11.7070	10.1707	0.0213	0.5723	0.5736	0.5736	1.4000e-004	0.5383	0.5384	2,054.174	2,054.174	0.5558	2,068.069		

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	3.4000e-004	0.0117	2.8100e-003	3.0000e-005	0.0382	4.0000e-005	0.0383	3.9300e-003	4.0000e-005	3.9700e-003	3.5068	3.5068	3.5068	3.3000e-004		3.5149
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
Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	79.1132	79.1132	79.1132	2.3800e-003		79.1727
Total	0.0419	0.0395	0.2701	8.2000e-004	4.9824	6.2000e-004	4.9830	0.5097	5.7000e-004	0.5103	82.6200	82.6200	82.6200	2.7100e-003		82.6877

3.13 04.2 Auger Holes, Direct Bury Poles - Seg 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					1.3700e-003	0.0000	1.3700e-003	1.5000e-004	0.0000	1.5000e-004			0.0000			0.0000
Off-Road	3.0035	28.3088	19.0510	0.0525	1.2097	1.2097	1.2097	1.1248	1.1248	1.1248	5,075.4727	5,075.4727	5,075.4727	1.5492		5,114.2026
Total	3.0035	28.3088	19.0510	0.0525	1.3700e-003	1.2097	1.2111	1.5000e-004	1.1248	1.1249	5,075.4727	5,075.4727	5,075.4727	1.5492		5,114.2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	2.6000e-004	9.0900e-003	2.1800e-003	2.0000e-005	0.0296	3.0000e-005	0.0296	3.0500e-003	3.0000e-005	3.0700e-003	2.7150	2.7150	2.7150	2.5000e-004		2.7212

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0110	0.0000	0.0110	1.1800e-003	0.0000	1.1800e-003			0.0000			0.0000
Off-Road	3.1076	28.3564	15.7325	0.0549		1.1048	1.1048	1.0164	1.0164	1.0164		5,317.4604	5,317.4604	1.7198		5,360.4547
Total	3.1076	28.3564	15.7325	0.0549	0.0110	1.1048	1.1158	1.1800e-003	1.0164	1.0176		5,317.4604	5,317.4604	1.7198		5,360.4547

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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
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
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455

Mitigated Construction On-Site

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

Fugitive Dust					0.0110	0.0000	0.0110	1.1800e-003	0.0000	1.1800e-003	0.0000	0.0000						
Off-Road	3.1076	28.3564	15.7325	0.0549		1.1048	1.1048		1.0164	1.0164	0.0000	5,317.4604	1,7198					
Total	3.1076	28.3564	15.7325	0.0549	0.0110	1.1048	1.1158	1.1800e-003	1.0164	1.0176	0.0000	5,317.4604	1,7198					

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455

3.15 10.1 Substation Work (San Marcos) below grade - 2020
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7688	8.5937	4.1003	0.0144		0.3208	0.3208		0.2951	0.2951		1,398.4910	1,398.4910	0.4523		1,409.7985
Total	0.7688	8.5937	4.1003	0.0144	0.0000	0.3208	0.3208	0.0000	0.2951	0.2951		1,398.4910	1,398.4910	0.4523		1,409.7985

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	5.4000e-004	0.0188	4.5000e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.6109	5.6109	5.2000e-004		5.6239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0333	0.0222	0.2138	6.4000e-004	6.4205	4.6000e-004	6.4210	0.6511	4.2000e-004	0.6516		63.2906	63.2906	1.9100e-003		63.3382
Total	0.0338	0.0410	0.2183	6.9000e-004	6.5197	5.2000e-004	6.5203	0.6612	4.8000e-004	0.6617		68.9015	68.9015	2.4300e-003		68.9621

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7688	8.5937	4.1003	0.0144		0.3208	0.3208		0.2951	0.2951	0.0000	1,398.4910	1,398.4910	0.4523		1,409.7985
Total	0.7688	8.5937	4.1003	0.0144	0.0000	0.3208	0.3208	0.0000	0.2951	0.2951	0.0000	1,398.4910	1,398.4910	0.4523		1,409.7985

Mitigated Construction Off-Site

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

	5.4000e-004	0.0188	4.5000e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102	5.6109	5.6109	5.2000e-004	5.6239
Hauling														
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0333	0.0222	0.2138	6.4000e-004	6.4205	4.6000e-004	6.4210	0.6511	4.2000e-004	0.6516	63.2906	63.2906	1.9100e-003	63.3382
Total	0.0338	0.0410	0.2183	6.9000e-004	6.5197	5.2000e-004	6.5203	0.6612	4.8000e-004	0.6617	68.9015	68.9015	2.4300e-003	68.9621

3.16 08 Trenching for Installation of Underground Cables - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					1.0800e-003	0.0000	1.0800e-003	1.2000e-004	0.0000	1.2000e-004			0.0000			0.0000
Off-Road	1.6350	16.2307	9.6153	0.0271	0.7245	0.7245	0.7245	0.6665	0.6665	0.6665	2,623.2328	2,623.2328	0.8484	0.8484		2,644.4430
Total	1.6350	16.2307	9.6153	0.0271	1.0800e-003	0.7245	0.7255	1.2000e-004	0.6665	0.6666	2,623.2328	2,623.2328	0.8484	0.8484		2,644.4430

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
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
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
Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	79.1132	79.1132	2,380.0000	0.0000		79.1727
Total	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	79.1132	79.1132	2,380.0000	0.0000		79.1727

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					1.0800e-003	0.0000	1.0800e-003	1.2000e-004	0.0000	1.2000e-004			0.0000			0.0000
Off-Road	1.6350	16.2307	9.6153	0.0271	0.7245	0.7245	0.7245	0.6665	0.6665	0.6665	0.0000	2,623.2328	2,623.2328	0.8484		2,644.4430
Total	1.6350	16.2307	9.6153	0.0271	1.0800e-003	0.7245	0.7255	1.2000e-004	0.6665	0.6666	0.0000	2,623.2328	2,623.2328	0.8484		2,644.4430

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
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
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
Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063		79.1132	79.1132	2.3800e-003		79.1727
Total	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063		79.1132	79.1132	2.3800e-003		79.1727

3.17 10.2 Substation Work (San Marcos) above grade - 2020

Unmitigated Construction On-Site

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

Category	lb/day										
Off-Road	1.1471	10.6018	5.8220	0.0205	0.4096	0.4096	0.3769	0.3769	1,985.1659	0.6420	2,001.2170
Total	1.1471	10.6018	5.8220	0.0205	0.4096	0.4096	0.3769	0.3769	1,985.1659	0.6420	2,001.2170

Unmitigated Construction Off-Site

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
Hauling	5.4000e-004	0.0188	4.5000e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.6109	5.6109	5.2000e-004		5.6239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1413	0.0944	0.9086	2.7000e-003	27.2872	1.9600e-003	27.2891	2.7674	1.8100e-003	2.7682		268.9849	268.9849	8.1000e-003		269.1873
Total	0.1419	0.1132	0.9131	2.7500e-003	27.3864	2.0200e-003	27.3884	2.7775	1.8700e-003	2.7793		274.5958	274.5958	8.6200e-003		274.8112

Mitigated Construction On-Site

Category	lb/day										
Off-Road	1.1471	10.6018	5.8220	0.0205	0.4096	0.4096	0.3769	0.3769	1,985.1659	0.6420	2,001.2170
Total	1.1471	10.6018	5.8220	0.0205	0.4096	0.4096	0.3769	0.3769	1,985.1659	0.6420	2,001.2170

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	5.4000e-004	0.0188	4.5000e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.6109	5.6109	5.2000e-004		5.6239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1413	0.0944	0.9086	2.7000e-003	27.2872	1.9600e-003	27.2891	2.7674	1.8100e-003	2.7692		268.9849	268.9849	8.1000e-003		269.1873
Total	0.1419	0.1132	0.9131	2.7500e-003	27.3864	2.0200e-003	27.3884	2.7775	1.8700e-003	2.7793		274.5958	274.5958	8.6200e-003		274.8112

3.18 05.2 Foundation Construction (Pier) - Seg 2 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.0336	0.0000	0.0336	3.9900e-003	0.0000	3.9900e-003			0.0000			0.0000
Off-Road	1.2934	11.7070	10.1707	0.0213		0.5723	0.5723		0.5383	0.5383		2,054.174	2,054.174	0.5558		2,068.069
Total	1.2934	11.7070	10.1707	0.0213	0.0336	0.5723	0.6059	3.9900e-003	0.5383	0.5423		2,054.174	2,054.174	0.5558		2,068.069

Unmitigated Construction Off-Site

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

Category	lb/day											lb/day				
Hauling	0.0296	1.0278	0.2464	2.8100e-003	3.3495	3.3200e-003	3.3529	0.3446	3.1700e-003	0.3477	307.1423	307.1423	0.0285	0.0000	0.0000	307.8540
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063	79.1132	79.1132	2.3800e-003	0.0000	0.0000	79.1727
Total	0.0712	1.0556	0.5137	3.6000e-003	8.2937	3.9000e-003	8.2976	0.8503	3.7000e-003	0.8540	386.2555	386.2555	0.0309	0.0000	0.0000	387.0268

Mitigated Construction On-Site

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
Fugitive Dust					0.0336	0.0000	0.0336	3.9900e-003	0.0000	3.9900e-003			0.0000			0.0000
Off-Road	1.2934	11.7070	10.1707	0.0213	0.5723	0.5723	0.5723	0.5383	0.5383	0.5383	0.0000	2.054.174	2.054.174	0.5558		2.068.069
Total	1.2934	11.7070	10.1707	0.0213	0.0336	0.5723	0.6059	3.9900e-003	0.5383	0.5423	0.0000	2,054.174	2,054.174	0.5558		2,068.069

Mitigated Construction Off-Site

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
Hauling	0.0296	1.0278	0.2464	2.8100e-003	3.3495	3.3200e-003	3.3529	0.3446	3.1700e-003	0.3477			307.1423	0.0285		307.8540
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
Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063			79.1132	2.3800e-003		79.1727

Total	0.0712	1.0566	0.5137	3.6000e-003	8.2937	3.9000e-003	8.2976	0.8503	3.7000e-003	0.8540	386.2555	386.2555	0.0309	387.0268
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3.19 04.3 Auger Holes, Direct Bury Poles - Seg 3 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004			0.0000			0.0000
Off-Road	3.0035	28.3088	19.0510	0.0525		1.2097	1.2097		1.1248	1.1248		5,075.4727	5,075.4727	1.5492		5,114.2026
Total	3.0035	28.3088	19.0510	0.0525	5.3000e-003	1.2097	1.2150	5.7000e-004	1.1248	1.1253		5,075.4727	5,075.4727	1.5492		5,114.2026

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	4.0600e-003	0.1408	0.0338	3.8000e-004	0.4589	4.5000e-004	0.4594	0.0472	4.3000e-004	0.0476		42.0818	42.0818	3.9000e-003		42.1793
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0872	0.1963	0.5683	1.9700e-003	10.3472	1.6000e-003	10.3489	1.0588	1.4900e-003	1.0603		200.3082	200.3082	8.6600e-003		200.5248

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004			0.0000			0.0000
Off-Road	3.0035	28.3088	19.0510	0.0525		1.2097	1.2097		1.1248	1.1248	0.0000	5,075.4727	5,075.4727	1.5492		5,114.2026
Total	3.0035	28.3088	19.0510	0.0525	5.3000e-003	1.2097	1.2150	5.7000e-004	1.1248	1.1253	0.0000	5,075.4727	5,075.4727	1.5492		5,114.2026

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	4.0600e-003	0.1408	0.0338	3.8000e-004	0.4589	4.5000e-004	0.4594	0.0472	4.3000e-004	0.0476			42.0818	3.9000e-003		42.1793
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
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126			158.2264	4.7600e-003		158.3455
Total	0.0872	0.1963	0.5683	1.9700e-003	10.3472	1.6000e-003	10.3489	1.0588	1.4900e-003	1.0603			200.3082	8.6600e-003		200.5248

3.20 06.2 Structure Installation and Assembly - Seg 2 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					9.9800e-003	0.0000	9.9800e-003	1.0800e-003	0.0000	1.0800e-003			0.0000			0.0000
Off-Road	3.1076	28.3564	15.7325	0.0549		1.1048	1.1048		1.0164	1.0164			5,317.4604	1.7198		5,360.4547

Total	3.1076	28.3564	15.7325	0.0549	9.9800e-003	1.1048	1.1148	1.0800e-003	1.0164	1.0175	5,317.4604	1.7198	5,360.4547
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Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	1.2000e-004	4.1400e-003	9.9000e-004	1.0000e-005	0.0135	1.0000e-005	0.0135	1.3900e-003	1.0000e-005	1.4000e-003		1.2377	1.2377	1.1000e-004		1.2406
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8863	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0832	0.0597	0.5355	1.6000e-003	9.9018	1.1600e-003	9.9030	1.0130	1.0700e-003	1.0140		159.4641	159.4641	4.8700e-003		159.5861

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					9.9800e-003	0.0000	9.9800e-003	1.0800e-003	0.0000	1.0800e-003		0.0000	0.0000			0.0000
Off-Road	3.1076	28.3564	15.7325	0.0549	1.1048	1.1048	1.1048	1.0164	1.0164	1.0164	0.0000	5,317.4604	5,317.4604	1.7198		5,360.4547
Total	3.1076	28.3564	15.7325	0.0549	9.9800e-003	1.1048	1.1148	1.0800e-003	1.0164	1.0175	0.0000	5,317.4604	5,317.4604	1.7198		5,360.4547

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	1.2000e-004	4.1400e-003	9.9000e-004	1.0000e-005	0.0135	1.0000e-005	0.0135	1.3900e-003	1.0000e-005	1.4000e-003	1.2377	1.2377	1.2377	1.1000e-004		1.2406
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
Worker	0.0831	0.0555	0.5345	1.3900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	158.2264	158.2264	158.2264	4.7600e-003		158.3455
Total	0.0832	0.0597	0.5355	1.6000e-003	9.9018	1.1600e-003	9.9030	1.0130	1.0700e-003	1.0140	159.4641	159.4641	159.4641	4.8700e-003		159.5861

3.21 07.1 Stringing Activities/Transfer Conductor/Sagging

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Fugitive Dust					4.8200e-003	0.0000	4.8200e-003	5.2000e-004	0.0000	5.2000e-004			0.0000			0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494	1.0084	1.0084	1.0084	0.9277	0.9277	0.9277	4,786.992	2	4,786.992	1.5482		4,825.697
Total	2.6392	26.0468	15.1818	0.0494	4.8200e-003	1.0084	1.0132	5.2000e-004	0.9277	0.9283	4,786.992	2	4,786.992	1.5482		4,825.697

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	1.5000e-004	5.1200e-003	1.2300e-003	1.0000e-005	0.0167	2.0000e-005	0.0167	1.7200e-003	2.0000e-005	1.7300e-003	1.5303	1.5303	1.5303	1.4000e-004		1.5338
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

Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	158.2264	158.2264	4.7600e-003	158.3455
Total	0.0833	0.0606	0.5357	1.6000e-003	9.9050	1.1700e-003	9.9062	1.0133	1.0800e-003	1.0144	159.7566	159.7566	4.9000e-003	159.8793

Mitigated Construction On-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					4.8200e-003	0.0000	4.8200e-003	5.2000e-004	0.0000	5.2000e-004			0.0000			0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494	1.0084	1.0084	1.0084	0.9277	0.9277	0.9277	0.0000	4,786.992	4,786.992	1.5482		4,825.697
Total	2.6392	26.0468	15.1818	0.0494	4.8200e-003	1.0084	1.0132	5.2000e-004	0.9277	0.9283	0.0000	4,786.992	4,786.992	1.5482		4,825.697

Mitigated Construction Off-Site

Category	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	1.5000e-004	5.1200e-003	1.2300e-003	1.0000e-005	0.0167	2.0000e-005	0.0167	1.7200e-003	2.0000e-005	1.7300e-003		1.5303	1.5303	1.4000e-004		1.5338
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0833	0.0606	0.5357	1.6000e-003	9.9050	1.1700e-003	9.9062	1.0133	1.0800e-003	1.0144	159.7566	159.7566	4.9000e-003			159.8793

3.22 05.3 Foundation Construction (Pier) - Seg 3 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.0631	0.0000	0.0631	7.3300e-003	0.0000	7.3300e-003			0.0000			0.0000
Off-Road	1.2934	11.7070	10.1707	0.0213		0.5723	0.5723		0.5383	0.5383		2,054.174	2,054.174	0.5558		2,068.069
Total	1.2934	11.7070	10.1707	0.0213	0.0631	0.5723	0.6354	7.3300e-003	0.5383	0.5456		2,054.174	2,054.174	0.5558		2,068.069

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	0.0451	1.5619	0.3745	4.2700e-003	5.0899	5.0400e-003	5.0949	0.5236	4.8200e-003	0.5284		466.7251	466.7251	0.0433		467.8067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063		79.1132	79.1132	2.3800e-003		79.1727
Total	0.0866	1.5896	0.6417	5.0600e-003	10.0340	5.6200e-003	10.0396	1.0294	5.3500e-003	1.0347		545.8383	545.8383	0.0456		546.9794

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.0631	0.0000	0.0631	7.3300e-003	0.0000	7.3300e-003			0.0000			0.0000

Off-Road	1.2934	11.7070	10.1707	0.0213	0.5723	0.5723	0.5383	0.5383	0.0000	2,054.174 3	2,054.174 3	0.5558	2,068.069 2
Total	1.2934	11.7070	10.1707	0.0213	0.5723	0.6354	0.5383	0.5456	0.0000	2,054.174 3	2,054.174 3	0.5558	2,068.069 2

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0451	1.5619	0.3745	4.2700e-003	5.0899	5.0400e-003	5.0949	0.5236	4.8200e-003	0.5284		466.7251	466.7251	0.0433		467.8067
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0416	0.0278	0.2673	7.9000e-004	4.9442	5.8000e-004	4.9447	0.5058	5.3000e-004	0.5063		79.1132	79.1132	2.3800e-003		79.1727
Total	0.0866	1.5896	0.6417	5.0600e-003	10.0340	5.6200e-003	10.0396	1.0294	5.3500e-003	1.0347		545.8383	545.8383	0.0456		546.9794

3.23 06.3 Structure Installation and Assembly - Seg 3 - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0189	0.0000	0.0189	2.0400e-003	0.0000	2.0400e-003			0.0000			0.0000
Off-Road	3.1076	28.3564	15.7325	0.0549	1.1048	1.1048	1.1048	1.0164	1.0164	1.0164		5,317.460 4	5,317.460 4	1,7198		5,360.454 7
Total	3.1076	28.3564	15.7325	0.0549	0.0189	1.1048	1.1237	2.0400e-003	1.0164	1.0185		5,317.460 4	5,317.460 4	1,7198		5,360.454 7

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	4.5000e-004	0.0157	3.7500e-003	4.0000e-005	0.0510	5.0000e-005	0.0510	5.2500e-003	5.0000e-005	5.2900e-003	4.6758	4.6758	4.6758	4.3000e-004		4.6866
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
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	158.2264	158.2264	158.2264	4.7600e-003		158.3455
Total	0.0836	0.0712	0.5382	1.6300e-003	9.9393	1.2000e-003	9.9405	1.0168	1.1100e-003	1.0179	162.9021	162.9021	162.9021	5.1900e-003		163.0321

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.0189	0.0000	0.0189	2.0400e-003	0.0000	2.0400e-003	0.0000	0.0000	0.0000			0.0000
Off-Road	3.1076	28.3564	15.7325	0.0549	1.1048	1.1048	1.1048	1.0164	1.0164	1.0164	0.0000	5,317.4604	5,317.4604	1,7198		5,360.4547
Total	3.1076	28.3564	15.7325	0.0549	0.0189	1.1048	1.1237	2.0400e-003	1.0164	1.0185	0.0000	5,317.4604	5,317.4604	1,7198		5,360.4547

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	4.5000e-004	0.0157	3.7500e-003	4.0000e-005	0.0510	5.0000e-005	0.0510	5.2500e-003	5.0000e-005	5.2900e-003	4.6758	4.6758	4.6758	4.3000e-004		4.6866

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	0.0000	
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	1.0126	1.0126	1.0126	1.0126	1.0126	1.0126	1.0126	1.0126
Total	0.0836	0.0712	0.5382	1.6300e-003	9.9393	1.2000e-003	9.9405	1.0168	1.1100e-003	1.0179	1.0179	1.0179	1.0179	1.0179	1.0179	1.0179	1.0179	1.0179

3.24 10.3 Substation Work (Escondido) below grade - 2020

Unmitigated Construction On-Site

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
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7688	8.5937	4.1003	0.0144		0.3208	0.3208		0.2951	0.2951		1,398.4910	1,398.4910	0.4523		1,409.7985
Total	0.7688	8.5937	4.1003	0.0144	0.0000	0.3208	0.3208	0.0000	0.2951	0.2951		1,398.4910	1,398.4910	0.4523		1,409.7985

Unmitigated Construction Off-Site

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
Hauling	5.4000e-004	0.0188	4.5000e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.6109	5.6109	5.2000e-004		5.6239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0333	0.0222	0.2138	6.4000e-004	6.4205	4.6000e-004	6.4210	0.6511	4.2000e-004	0.6516		63.2906	63.2906	1.9100e-003		63.3382
Total	0.0338	0.0410	0.2183	6.9000e-004	6.5197	5.2000e-004	6.5203	0.6612	4.8000e-004	0.6617		68.9015	68.9015	2.4300e-003		68.9621

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.7688	8.5937	4.1003	0.0144		0.3208	0.3208		0.2951	0.2951	0.0000	1,398.4910	1,398.4910	0.4523		1,409.7985
Total	0.7688	8.5937	4.1003	0.0144	0.0000	0.3208	0.3208	0.0000	0.2951	0.2951	0.0000	1,398.4910	1,398.4910	0.4523		1,409.7985

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	5.4000e-004	0.0188	4.5000e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102			5.6109	5.2000e-004		5.6239
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
Worker	0.0333	0.0222	0.2138	6.4000e-004	6.4205	4.6000e-004	6.4210	0.6511	4.2000e-004	0.6516			63.2906	1.9100e-003		63.3382
Total	0.0338	0.0410	0.2183	6.9000e-004	6.5197	5.2000e-004	6.5203	0.6612	4.8000e-004	0.6617	68.9015	68.9015	68.9015	2.4300e-003		68.9621

3.25 10.4 Substation Work (Escondido) above grade - 2020

Unmitigated Construction On-Site

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

Off-Road	1.1510	10.5024	5.8268	0.0203	0.4092	0.4092	0.3765	0.3765	1,969.4298	0.6370	1,985.3536
Total	1.1510	10.5024	5.8268	0.0203	0.4092	0.4092	0.3765	0.3765	1,969.4298	0.6370	1,985.3536

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	5.4000e-004	0.0188	4.5000e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.6109	5.6109	5.2000e-004		5.6239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1413	0.0944	0.9086	2.7000e-003	27.2872	1.9600e-003	27.2891	2.7674	1.8100e-003	2.7692		268.9849	268.9849	8.1000e-003		269.1873
Total	0.1419	0.1132	0.9131	2.7500e-003	27.3864	2.0200e-003	27.3884	2.7775	1.8700e-003	2.7793		274.5958	274.5958	8.6200e-003		274.8112

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.1510	10.5024	5.8268	0.0203	0.4092	0.4092	0.4092	0.3765	0.3765	0.3765	0.0000	1,969.4298	1,969.4298	0.6370		1,985.3536
Total	1.1510	10.5024	5.8268	0.0203	0.4092	0.4092	0.4092	0.3765	0.3765	0.3765	0.0000	1,969.4298	1,969.4298	0.6370		1,985.3536

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	5.4000e-004	0.0188	4.5000e-003	5.0000e-005	0.0992	6.0000e-005	0.0993	0.0101	6.0000e-005	0.0102		5.6109	5.6109	5.2000e-004		5.6239
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1413	0.0944	0.9086	2.7000e-003	27.2872	1.9600e-003	27.2891	2.7674	1.8100e-003	2.7692		268.9849	268.9849	8.1000e-003		269.1873
Total	0.1419	0.1132	0.9131	2.7500e-003	27.3864	2.0200e-003	27.3884	2.7775	1.8700e-003	2.7793		274.5958	274.5958	8.6200e-003		274.8112

3.26 07.2 Stringing Activities/Transfer Conductor/Sagging

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0244	0.0000	0.0244	2.6400e-003	0.0000	2.6400e-003			0.0000			0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494		1.0084	1.0084		0.9277	0.9277		4,786.9922	4,786.9922	1.5482		4,825.6975
Total	2.6392	26.0468	15.1818	0.0494	0.0244	1.0084	1.0328	2.6400e-003	0.9277	0.9304		4,786.9922	4,786.9922	1.5482		4,825.6975

Unmitigated Construction Off-Site

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

	4.9000e-004	0.0171	4.0900e-003	5.0000e-005	0.0556	6.0000e-005	0.0557	5.7200e-003	5.0000e-005	5.7700e-003	5.1008	4.7000e-004	5.1126
Hauling													
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
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	158.2264	4.7600e-003	158.3455
Total	0.0836	0.0726	0.5386	1.6400e-003	9.9439	1.2100e-003	9.9452	1.0173	1.1100e-003	1.0184	163.3272	5.2300e-003	163.4581

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					0.0244	0.0000	0.0244	2.6400e-003	0.0000	2.6400e-003			0.0000			0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494		1.0084	1.0084		0.9277	0.9277	0.0000	4,786.992	1.5482			4,825.697
Total	2.6392	26.0468	15.1818	0.0494	0.0244	1.0084	1.0328	2.6400e-003	0.9277	0.9304	0.0000	4,786.992	1.5482	2	2	4,825.697

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	4.9000e-004	0.0171	4.0900e-003	5.0000e-005	0.0556	6.0000e-005	0.0557	5.7200e-003	5.0000e-005	5.7700e-003			5.1008	4.7000e-004		5.1126
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
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126			158.2264	4.7600e-003		158.3455
Total	0.0836	0.0726	0.5386	1.6400e-003	9.9439	1.2100e-003	9.9452	1.0173	1.1100e-003	1.0184	0.0000	163.3272	163.3272	5.2300e-003	2	163.4581

**3.27 09.1 Demobilization/ROW Restoration and Cleanup/Road
Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337		0.9143	0.9143		0.8411	0.8411		3,259.830	3,259.830	1.0543		3,286.1876
Total	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.0000	0.8411	0.8411		3,259.830	3,259.830	1.0543		3,286.1876

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	2.4000e-004	8.2800e-003	1.9900e-003	2.0000e-005	0.0270	3.0000e-005	0.0270	2.7800e-003	3.0000e-005	2.8000e-003		2.4754	2.4754	2.3000e-004		2.4811
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0834	0.0638	0.5365	1.6100e-003	9.9153	1.1800e-003	9.9165	1.0143	1.0900e-003	1.0154		160.7018	160.7018	4.9900e-003		160.8266

Mitigated Construction On-Site

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

Category	lb/day										lb/day									
Fugitive Dust											0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337				0.9143	0.9143	0.8411	0.8411	0.8411	0.0000	3,259.830 ²	1.0543	1.0543	3,286.187 ⁶			3,286.187 ⁶
Total	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.8411	0.8411	0.0000	0.0000	0.0000	0.0000	3,259.830²	1.0543	1.0543	3,286.187⁶			3,286.187⁶

Mitigated Construction Off-Site

Category	lb/day										lb/day									
Hauling	2.4000e-004	8.2800e-003	1.9900e-003	2.0000e-005	0.0270	3.0000e-005	0.0270	2.7800e-003	3.0000e-005	2.8000e-003	2.4754	2.4754	2.3000e-004	2.4754	2.3000e-004	2.4811				2.4811
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				0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	158.2264	158.2264	4.7600e-003	158.2264	4.7600e-003	158.3455				158.3455
Total	0.0834	0.0638	0.5365	1.6100e-003	9.9153	1.1800e-003	9.9165	1.0143	1.0900e-003	1.0154	160.7018	160.7018	4.9900e-003	160.7018	4.9900e-003	160.8266				160.8266

3.28 07.3 Stringing Activities/Transfer Conductor/Sagging
Unmitigated Construction On-Site

Category	lb/day										lb/day									
Fugitive Dust											8.0000e-004	8.0000e-004	0.0000	8.0000e-004	0.0000	0.0000				0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494			1.0084	1.0084	0.9277	0.9277	0.9277	4,786.992 ²	1.5482	1.5482	4,825.697 ⁵				4,825.697 ⁵	
Total	2.6392	26.0468	15.1818	0.0494	7.3900e-003	1.0084	1.0158	0.9277	0.9285	0.9285	4,786.992²	1.5482	1.5482	4,786.992²	1.5482	4,825.697⁵				4,825.697⁵

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Hauling	2.5000e-004	8.5300e-003	2.0500e-003	2.0000e-005	0.0278	3.0000e-005	0.0278	2.8600e-003	3.0000e-005	2.8900e-003		2.5504	2.5504	2.4000e-004		2.5563
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0834	0.0641	0.5365	1.6100e-003	9.9161	1.1800e-003	9.9173	1.0144	1.0900e-003	1.0155		160.7768	160.7768	5.0000e-003		160.9018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Fugitive Dust					7.3900e-003	0.0000	7.3900e-003	8.0000e-004	0.0000	8.0000e-004			0.0000			0.0000
Off-Road	2.6392	26.0468	15.1818	0.0494		1.0084	1.0084		0.9277	0.9277		4,786.992 ²	4,786.992 ²	1.5482		4,825.697 ⁵
Total	2.6392	26.0468	15.1818	0.0494	7.3900e-003	1.0084	1.0158	8.0000e-004	0.9277	0.9285	0.0000	4,786.992²	4,786.992²	1.5482		4,825.697⁵

Mitigated Construction Off-Site

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

Category	lb/day										lb/day			
Hauling	2.5000e-004	8.5300e-003	2.0500e-003	2.0000e-005	0.0278	3.0000e-005	0.0278	2.8600e-003	3.0000e-005	2.8900e-003	2.5504	2.5504	2.4000e-004	2.5563
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126	158.2264	158.2264	4.7600e-003	158.3455
Total	0.0834	0.0641	0.5365	1.6100e-003	9.9161	1.1800e-003	9.9173	1.0144	1.0900e-003	1.0155	160.7768	160.7768	5.0000e-003	160.9018

3.29 09.3 Demobilization/ROW Restoration and Cleanup/Road Unmitigated Construction On-Site

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
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337	0.9143	0.9143	0.9143	0.8411	0.8411	0.8411			3,259.830	1.0543		3,286.1876
Total	2.1160	20.0741	13.5649	0.0337	0.9143	0.9143	0.9143	0.8411	0.8411	0.8411			3,259.830	1.0543		3,286.1876

Unmitigated Construction Off-Site

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
Hauling	1.8000e-004	6.2600e-003	1.5000e-003	2.0000e-005	0.0204	2.0000e-005	0.0204	2.1000e-003	2.0000e-005	2.1200e-003			1.8703	1.7000e-004		1.8746
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
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126			158.2264	4.7600e-003		158.3455

Total	0.0833	0.0618	0.5360	1.6100e-003	9.9087	1.1700e-003	9.9099	1.0137	1.0800e-003	1.0147	160.0967	160.0967	4.9300e-003	160.2201
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Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.8411	0.8411	0.8411	0.0000	3,259.830	3,259.830	1.0543		3,286.187
Total	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.8411	0.8411	0.8411	0.0000	3,259.830	3,259.830	1.0543		3,286.187

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	1.8000e-004	6.2600e-003	1.5000e-003	2.0000e-005	0.0204	2.0000e-005	0.0204	2.1000e-003	2.0000e-005	2.1200e-003		1.8703	1.8703	1.7000e-004		1.8746
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0833	0.0618	0.5360	1.6100e-003	9.9087	1.1700e-003	9.9099	1.0137	1.0800e-003	1.0147		160.0967	160.0967	4.9300e-003		160.2201

**3.30 09.2 Demobilization/ROW Restoration and Cleanup/Road
Unmitigated Construction On-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337		0.9143	0.9143		0.8411	0.8411		3,259.8302	3,259.8302	1.0543		3,286.1876
Total	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.0000	0.8411	0.8411		3,259.8302	3,259.8302	1.0543		3,286.1876

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	2.5000e-004	8.5300e-003	2.0500e-003	2.0000e-005	0.0278	3.0000e-005	0.0278	2.8600e-003	3.0000e-005	2.8900e-003		2.5504	2.5504	2.4000e-004		2.5563
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8883	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0834	0.0641	0.5365	1.6100e-003	9.9161	1.1800e-003	9.9173	1.0144	1.0900e-003	1.0155		160.7768	160.7768	5.0000e-003		160.9018

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	2.1160	20.0741	13.5649	0.0337		0.9143	0.9143		0.8411	0.8411		3,259.8302	3,259.8302	1.0543		3,286.1876

Total	2.1160	20.0741	13.5649	0.0337	0.0000	0.9143	0.9143	0.0000	0.8411	0.8411	0.0000	3,259.830 ²	3,259.830 ²	1.0543	3,286.187 ⁶
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Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	2.5000e-004	8.5300e-003	2.0500e-003	2.0000e-005	0.0278	3.0000e-005	0.0278	2.8600e-003	3.0000e-005	2.8900e-003		2.5504	2.5504	2.4000e-004		2.5563
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0831	0.0555	0.5345	1.5900e-003	9.8863	1.1500e-003	9.8895	1.0116	1.0600e-003	1.0126		158.2264	158.2264	4.7600e-003		158.3455
Total	0.0834	0.0641	0.5365	1.6100e-003	9.9161	1.1800e-003	9.9173	1.0144	1.0900e-003	1.0155		160.7768	160.7768	5.0000e-003		160.9018

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate		Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday		
User Defined Industrial	0.00	0.00	0.00	
Total	0.00	0.00	0.00	

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

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

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

6.0 Area Detail

6.1 Mitigation Measures Area

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
Mitigated	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	2.2000e-004	0.0000		2.3000e-004

6.2 Area by SubCategory
Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Mitigated

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

Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000	2.3000e-004
Total	1.0000e-005	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.2000e-004	2.2000e-004	0.0000	2.3000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

SDG&E TL 6975 Project - San Diego County, Annual

SDG&E TL 6975 Project
San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	1.00	User Defined Unit	0.00	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	2021

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MW/hr)	720.49	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
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1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Overall construction schedule (December 2019 - November 2020) and general phases provided by client; schedule was prepared based on total number of work days with assumptions regarding schedule overlaps.

Off-road Equipment -

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; mower assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; pressure digger is substituted by bore/drill rig.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; pressure digger is substituted by bore/drill rig.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; pressure digger is substituted by bore/drill rig.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; double-bullwheel and drum puller assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; double-bullwheel and drum puller assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; double-bullwheel and drum puller assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; wire dolly and pulling rig assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; mower assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; mower assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; mower assumed to be "other construction equipment."

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; trucks; ditch witch substituted with a trencher.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; ditch witch substituted with a trencher.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks; ditch witch substituted with a trencher.

Off-road Equipment - Construction equipment, unit amount, hours/day, and horsepower provided by client; all trucks assumed to be off-highway trucks.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -
Off-road Equipment -

Trips and VMT - Based on information provided by client. All delivery trips accounted for with haul truck trips, using default trip lengths of 20 miles.
Grading - Acres to be graded based on data from project description and assumptions based on work areas for poles.
On-road Fugitive Dust - Assumes 5% of vehicle travel would be on unpaved roads, with a mean vehicle speed of 15mph.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	15.00
tblConstructionPhase	NumDays	0.00	15.00
tblConstructionPhase	NumDays	0.00	28.00
tblConstructionPhase	NumDays	0.00	48.00
tblConstructionPhase	NumDays	0.00	31.00
tblConstructionPhase	NumDays	0.00	31.00
tblConstructionPhase	NumDays	0.00	15.00
tblConstructionPhase	NumDays	0.00	98.00
tblConstructionPhase	NumDays	0.00	77.00
tblConstructionPhase	NumDays	0.00	2.00
tblConstructionPhase	NumDays	0.00	68.00
tblConstructionPhase	NumDays	0.00	55.00
tblConstructionPhase	NumDays	0.00	11.00
tblConstructionPhase	NumDays	0.00	18.00
tblConstructionPhase	NumDays	0.00	15.00
tblConstructionPhase	NumDays	0.00	33.00
tblConstructionPhase	NumDays	0.00	34.00
tblConstructionPhase	NumDays	0.00	33.00
tblConstructionPhase	NumDays	0.00	45.00
tblConstructionPhase	NumDays	0.00	33.00
tblConstructionPhase	NumDays	0.00	30.00
tblConstructionPhase	NumDays	0.00	63.00
tblConstructionPhase	NumDays	0.00	33.00
tblConstructionPhase	PhaseEndDate	3/6/2023	12/29/2019
tblConstructionPhase	PhaseEndDate	2/13/2023	4/9/2020

tblConstructionPhase	PhaseEndDate	3/6/2023	7/17/2020
tblConstructionPhase	PhaseEndDate	1/23/2023	12/29/2019
tblConstructionPhase	PhaseEndDate	7/30/2020	2/27/2020
tblConstructionPhase	PhaseEndDate	10/6/2020	3/26/2020
tblConstructionPhase	PhaseEndDate	11/18/2020	4/10/2020
tblConstructionPhase	PhaseEndDate	12/31/2020	4/10/2020
tblConstructionPhase	PhaseEndDate	1/21/2021	3/19/2020
tblConstructionPhase	PhaseEndDate	6/8/2021	7/15/2020
tblConstructionPhase	PhaseEndDate	9/23/2021	7/13/2020
tblConstructionPhase	PhaseEndDate	9/27/2021	4/13/2020
tblConstructionPhase	PhaseEndDate	12/30/2021	7/15/2020
tblConstructionPhase	PhaseEndDate	3/17/2022	6/26/2020
tblConstructionPhase	PhaseEndDate	4/1/2022	6/15/2020
tblConstructionPhase	PhaseEndDate	4/27/2022	7/1/2020
tblConstructionPhase	PhaseEndDate	5/18/2022	6/26/2020
tblConstructionPhase	PhaseEndDate	7/4/2022	8/12/2020
tblConstructionPhase	PhaseEndDate	8/19/2022	8/13/2020
tblConstructionPhase	PhaseEndDate	10/5/2022	9/28/2020
tblConstructionPhase	PhaseEndDate	12/7/2022	10/15/2020
tblConstructionPhase	PhaseEndDate	1/23/2023	11/12/2020
tblConstructionPhase	PhaseEndDate	5/6/2020	4/16/2020
tblConstructionPhase	PhaseEndDate	6/22/2020	3/5/2020
tblConstructionPhase	PhaseEndDate	3/6/2023	12/29/2019
tblConstructionPhase	PhaseStartDate	3/7/2023	12/30/2019
tblConstructionPhase	PhaseStartDate	1/24/2023	3/20/2020
tblConstructionPhase	PhaseStartDate	2/14/2023	6/27/2020
tblConstructionPhase	PhaseStartDate	1/24/2023	12/30/2019
tblConstructionPhase	PhaseStartDate	6/23/2020	1/21/2020
tblConstructionPhase	PhaseStartDate	7/31/2020	1/21/2020
tblConstructionPhase	PhaseStartDate	10/7/2020	2/28/2020
tblConstructionPhase	PhaseStartDate	11/19/2020	2/28/2020

tblConstructionPhase	PhaseStartDate	1/1/2021	2/28/2020
tblConstructionPhase	PhaseStartDate	1/22/2021	3/2/2020
tblConstructionPhase	PhaseStartDate	6/9/2021	3/27/2020
tblConstructionPhase	PhaseStartDate	9/24/2021	4/10/2020
tblConstructionPhase	PhaseStartDate	9/28/2021	4/13/2020
tblConstructionPhase	PhaseStartDate	12/31/2021	4/13/2020
tblConstructionPhase	PhaseStartDate	3/18/2022	6/1/2020
tblConstructionPhase	PhaseStartDate	4/2/2022	6/8/2020
tblConstructionPhase	PhaseStartDate	4/28/2022	6/8/2020
tblConstructionPhase	PhaseStartDate	5/19/2022	6/29/2020
tblConstructionPhase	PhaseStartDate	7/5/2022	6/29/2020
tblConstructionPhase	PhaseStartDate	8/20/2022	8/13/2020
tblConstructionPhase	PhaseStartDate	10/6/2022	8/14/2020
tblConstructionPhase	PhaseStartDate	12/8/2022	9/29/2020
tblConstructionPhase	PhaseStartDate	2/8/2020	1/21/2020
tblConstructionPhase	PhaseStartDate	5/7/2020	1/21/2020
tblConstructionPhase	PhaseStartDate	3/7/2023	12/30/2019
tblGrading	AcresOfGrading	0.00	0.18
tblGrading	AcresOfGrading	0.00	0.06
tblGrading	AcresOfGrading	0.00	0.04
tblGrading	AcresOfGrading	0.00	0.32
tblGrading	AcresOfGrading	0.00	0.10
tblGrading	AcresOfGrading	0.00	1.85
tblGrading	AcresOfGrading	0.00	0.01
tblGrading	AcresOfGrading	0.00	0.64
tblGrading	AcresOfGrading	0.00	0.25
tblGrading	AcresOfGrading	0.00	0.53
tblGrading	AcresOfGrading	0.00	0.32
tblGrading	AcresOfGrading	0.00	0.76
tblGrading	AcresOfGrading	8.50	0.00
tblGrading	AcresOfGrading	0.00	0.23

tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblOnRoadDust	WorkerPercentPave	100.00	95.00
tblProjectCharacteristics	OperationalYear	2018	2021
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	558.00	281.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	117.00	61.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	1.00
tblTripsAndVMT	HaulingTripNumber	0.00	80.00
tblTripsAndVMT	HaulingTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	35.00	20.00

Year	tons/yr										MT/yr					
2019	3.1400e-003	0.0301	0.0188	4.0000e-005	0.0429	1.4500e-003	0.0444	4.3900e-003	1.3400e-003	5.7300e-003	0.0000	3.7657	3.7657	1.1000e-003	0.0000	3.7933
2020	0.8658	8.0688	5.2230	0.0150	3.3023	0.3413	3.6436	0.3384	0.3152	0.6536	0.0000	1,317.356	1,317.356	0.3987	0.0000	1,327.323
Maximum	0.8658	8.0688	5.2230	0.0150	3.3023	0.3413	3.6436	0.3384	0.3152	0.6536	0.0000	1,317.356	1,317.356	0.3987	0.0000	1,327.323

Mitigated Construction

Year	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2019	3.1400e-003	0.0301	0.0188	4.0000e-005	0.0429	1.4500e-003	0.0444	4.3900e-003	1.3400e-003	5.7200e-003	0.0000	3.7657	3.7657	1.1000e-003	0.0000	3.7933
2020	0.8658	8.0688	5.2230	0.0150	3.3023	0.3413	3.6436	0.3384	0.3152	0.6536	0.0000	1,317.354	1,317.354	0.3987	0.0000	1,327.321
Maximum	0.8658	8.0688	5.2230	0.0150	3.3023	0.3413	3.6436	0.3384	0.3152	0.6536	0.0000	1,317.354	1,317.354	0.3987	0.0000	1,327.321

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOx (tons/quarter)	Maximum Mitigated ROG + NOx (tons/quarter)
1	12-30-2019	3-29-2020	0.1794	0.1794
2	3-30-2020	6-29-2020	0.5890	0.5890
3	6-30-2020	9-29-2020	0.1024	0.1024
		Highest	0.5890	0.5890

2.2 Overall Operational Unmitigated Operational

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/30/2019	12/29/2019	5	0	
2	Site Preparation	Site Preparation	12/30/2019	12/29/2019	5	0	
3	Grading	Grading	12/30/2019	12/29/2019	5	0	
4	01 Pre-Construction Activities	Grading	12/30/2019	2/7/2020	5	30	
5	Building Construction	Building Construction	12/30/2019	12/29/2019	5	0	
6	Paving	Paving	12/30/2019	12/29/2019	5	0	
7	Architectural Coating	Architectural Coating	12/30/2019	12/29/2019	5	0	
8	02 Access Road Construction/Refreshing	Grading	1/21/2020	4/16/2020	5	63	
9	03 Material Haul	Grading	1/21/2020	3/5/2020	5	33	
10	04.1 Auger Holes, Direct Bury Poles - Sen 1	Grading	1/21/2020	2/27/2020	5	28	
11	05.1 Foundation Construction Piers - Sen 1	Grading	1/21/2020	3/26/2020	5	48	
12	04.2 Auger Holes, Direct Bury Poles - Sen 2	Grading	2/28/2020	4/10/2020	5	31	
13	06.1 Structure Installation and Assembly - Sen 1	Grading	2/28/2020	4/10/2020	5	31	
14	10.1 Substation Work (San Marcos) below grade	Grading	2/28/2020	3/19/2020	5	15	
15	08 Trenching for Installation of Underground Cables (Marcos) above grade	Grading	3/2/2020	7/15/2020	5	98	
16	10.2 Substation Work (San Marcos) above grade	Building Construction	3/20/2020	4/9/2020	5	15	
17	05.2 Foundation Construction Piers - Sen 2	Grading	3/27/2020	7/13/2020	5	77	
18	04.3 Auger Holes, Direct Bury Poles - Sen 3	Grading	4/10/2020	4/13/2020	5	2	
19	06.2 Structure Installation and Assembly - Sen 2	Grading	4/13/2020	7/15/2020	5	68	
20	07.1 Stringing Activities/Transfer Conductor/Sagging Activities - Piers - Sen 3	Grading	4/13/2020	6/26/2020	5	55	
21	05.3 Foundation Construction Piers - Sen 3	Grading	6/1/2020	6/15/2020	5	11	
22	06.3 Structure Installation and Assembly - Sen 3	Grading	6/8/2020	7/1/2020	5	18	
23	10.3 Substation Work (Esccondido) below grade	Grading	6/8/2020	6/26/2020	5	15	
24	10.4 Substation Work (Esccondido) above grade	Building Construction	6/27/2020	7/17/2020	5	15	
25	07.2 Stringing Activities/Transfer Conductor/Sagging Activities - Restoration and Cleanup/Road	Grading	6/29/2020	8/12/2020	5	33	
26	09.1 Demobilization/ROW	Grading	6/29/2020	8/13/2020	5	34	
27	07.3 Stringing Activities/Transfer Conductor/Sagging Activities -	Grading	8/13/2020	9/28/2020	5	33	

28	09.3 Demobilization/ROW Restoration and Cleanup/Road	Grading	8/14/2020	10/15/2020	5	45
29	09.2 Demobilization/ROW Restoration and Cleanup/Road	Grading	9/29/2020	11/12/2020	5	33

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; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
01 Pre-Construction Activities	Concrete/Industrial Saws	0	8.00	81	0.73
01 Pre-Construction Activities	Excavators	2	3.00	162	0.38
01 Pre-Construction Activities	Graders	2	5.00	174	0.41
01 Pre-Construction Activities	Off-Highway Trucks	2	3.00	250	0.38
01 Pre-Construction Activities	Off-Highway Trucks	2	4.00	250	0.38

01 Pre-Construction Activities	Off-Highway Trucks	1	4.00	250	0.38
01 Pre-Construction Activities	Other Construction Equipment	2	4.00	74	0.42
01 Pre-Construction Activities	Rubber Tired Dozers	0	1.00	247	0.40
01 Pre-Construction Activities	Tractors/Loaders/Backhoes	2	4.00	37	0.37
01 Pre-Construction Activities	Tractors/Loaders/Backhoes	1	4.00	250	0.37
02 Access Road Construction/Refreshina	Concrete/Industrial Saws	0	8.00	81	0.73
02 Access Road Construction/Refreshina	Graders	1	6.00	174	0.41
02 Access Road Construction/Refreshina	Off-Highway Tractors	1	4.00	250	0.44
02 Access Road Construction/Refreshina	Off-Highway Trucks	2	5.00	250	0.38
02 Access Road Construction/Refreshina	Rubber Tired Dozers	0	1.00	247	0.40
02 Access Road Construction/Refreshina	Tractors/Loaders/Backhoes	0	6.00	97	0.37
03 Material Haul	Concrete/Industrial Saws	0	8.00	81	0.73
03 Material Haul	Cranes	2	4.00	250	0.29
03 Material Haul	Forklifts	2	4.00	83	0.20
03 Material Haul	Rubber Tired Dozers	0	1.00	247	0.40
03 Material Haul	Tractors/Loaders/Backhoes	0	6.00	97	0.37
04.1 Auger Holes, Direct Bury Poles - Seq.1	Air Compressors	2	4.00	78	0.48
04.1 Auger Holes, Direct Bury Poles - Seq.1	Bore/Drill Rigs	2	6.00	82	0.50
04.1 Auger Holes, Direct Bury Poles - Seq.1	Bore/Drill Rigs	1	4.00	82	0.50
04.1 Auger Holes, Direct Bury Poles - Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	6.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	5.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	4.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Off-Highway Trucks	2	4.00	250	0.38
04.1 Auger Holes, Direct Bury Poles - Seq.1	Rubber Tired Dozers	0	1.00	247	0.40
04.1 Auger Holes, Direct Bury Poles - Seq.1	Tractors/Loaders/Backhoes	1	3.00	250	0.37
04.2 Auger Holes, Direct Bury Poles - Seq.2	Air Compressors	2	4.00	78	0.48
04.2 Auger Holes, Direct Bury Poles - Seq.2	Bore/Drill Rigs	2	6.00	82	0.50
04.2 Auger Holes, Direct Bury Poles - Seq.2	Bore/Drill Rigs	1	4.00	82	0.50
04.2 Auger Holes, Direct Bury Poles - Seq.2	Concrete/Industrial Saws	0	8.00	81	0.73
04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	6.00	250	0.38

04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	5.00	250	0.38
04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	4.00	250	0.38
04.2 Auger Holes, Direct Bury Poles - Seq.2	Off-Highway Trucks	2	4.00	250	0.38
04.2 Auger Holes, Direct Bury Poles - Seq.2	Rubber Tired Dozers	0	1.00	247	0.40
04.2 Auger Holes, Direct Bury Poles - Seq.2	Tractors/Loaders/Backhoes	1	3.00	250	0.37
04.3 Auger Holes, Direct Bury Poles - Seq.3	Air Compressors	2	4.00	78	0.48
04.3 Auger Holes, Direct Bury Poles - Seq.3	Bore/Drill Rigs	2	6.00	82	0.50
04.3 Auger Holes, Direct Bury Poles - Seq.3	Bore/Drill Rigs	1	4.00	82	0.50
04.3 Auger Holes, Direct Bury Poles - Seq.3	Concrete/Industrial Saws	0	8.00	81	0.73
04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	6.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	5.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	4.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Off-Highway Trucks	2	4.00	250	0.38
04.3 Auger Holes, Direct Bury Poles - Seq.3	Rubber Tired Dozers	0	1.00	247	0.40
04.3 Auger Holes, Direct Bury Poles - Seq.3	Tractors/Loaders/Backhoes	1	3.00	250	0.37
05.1 Foundation Construction (Pier) - Seq.1	Air Compressors	1	4.00	78	0.48
05.1 Foundation Construction (Pier) - Seq.1	Bore/Drill Rigs	1	7.00	82	0.50
05.1 Foundation Construction (Pier) - Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
05.1 Foundation Construction (Pier) - Seq.1	Excavators	1	4.00	162	0.38
05.1 Foundation Construction (Pier) - Seq.1	Forklifts	1	3.00	83	0.20
05.1 Foundation Construction (Pier) - Seq.1	Generator Sets	1	3.00	84	0.74
05.1 Foundation Construction (Pier) - Seq.1	Off-Highway Trucks	1	3.00	250	0.38
05.1 Foundation Construction (Pier) - Seq.1	Off-Highway Trucks	1	4.00	250	0.38
05.1 Foundation Construction (Pier) - Seq.1	Off-Highway Trucks	1	3.00	250	0.38
05.1 Foundation Construction (Pier) - Seq.1	Rubber Tired Dozers	0	1.00	247	0.40
05.1 Foundation Construction (Pier) - Seq.1	Tractors/Loaders/Backhoes	1	3.00	37	0.37
05.2 Foundation Construction (Pier) - Seq.2	Air Compressors	1	4.00	78	0.48
05.2 Foundation Construction (Pier) - Seq.2	Bore/Drill Rigs	1	7.00	82	0.50
05.2 Foundation Construction (Pier) - Seq.2	Concrete/Industrial Saws	0	8.00	81	0.73
05.2 Foundation Construction (Pier) - Seq.2	Excavators	1	4.00	162	0.38
05.2 Foundation Construction (Pier) - Seq.2	Forklifts	1	3.00	83	0.20

05.2 Foundation Construction (Pier) - Seq.2	Generator Sets	1	3.00	84	0.74
05.2 Foundation Construction (Pier) - Seq.2	Off-Highway Trucks	1	3.00	250	0.38
05.2 Foundation Construction (Pier) - Seq.2	Off-Highway Trucks	1	4.00	250	0.38
05.2 Foundation Construction (Pier) - Seq.2	Off-Highway Trucks	1	3.00	250	0.38
05.2 Foundation Construction (Pier) - Seq.2	Rubber Tired Dozers	0	1.00	247	0.40
05.2 Foundation Construction (Pier) - Seq.2	Tractors/Loaders/Backhoes	1	3.00	37	0.37
05.3 Foundation Construction (Pier) - Seq.3	Air Compressors	1	4.00	78	0.48
05.3 Foundation Construction (Pier) - Seq.3	Bore/Drill Rigs	1	7.00	82	0.50
05.3 Foundation Construction (Pier) - Seq.3	Concrete/Industrial Saws	0	8.00	81	0.73
05.3 Foundation Construction (Pier) - Seq.3	Excavators	1	4.00	162	0.38
05.3 Foundation Construction (Pier) - Seq.3	Forklifts	1	3.00	83	0.20
05.3 Foundation Construction (Pier) - Seq.3	Generator Sets	1	3.00	84	0.74
05.3 Foundation Construction (Pier) - Seq.3	Off-Highway Trucks	1	3.00	250	0.38
05.3 Foundation Construction (Pier) - Seq.3	Off-Highway Trucks	1	4.00	250	0.38
05.3 Foundation Construction (Pier) - Seq.3	Off-Highway Trucks	1	3.00	250	0.38
05.3 Foundation Construction (Pier) - Seq.3	Rubber Tired Dozers	0	1.00	247	0.40
05.3 Foundation Construction (Pier) - Seq.3	Tractors/Loaders/Backhoes	1	3.00	37	0.37
06.1 Structure Installation and Assembly - Seq.1	Concrete/Industrial Saws	0	8.00	81	0.73
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	2	4.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	3	6.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	2	5.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Off-Highway Trucks	3	6.00	250	0.38
06.1 Structure Installation and Assembly - Seq.1	Rubber Tired Dozers	0	1.00	247	0.40
06.1 Structure Installation and Assembly - Seq.1	Tractors/Loaders/Backhoes	0	6.00	97	0.37
06.2 Structure Installation and Assembly - Seq.2	Concrete/Industrial Saws	0	8.00	81	0.73
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	2	4.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	3	6.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	2	5.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Off-Highway Trucks	3	6.00	250	0.38
06.2 Structure Installation and Assembly - Seq.2	Rubber Tired Dozers	0	1.00	247	0.40
06.2 Structure Installation and Assembly - Seq.2	Tractors/Loaders/Backhoes	0	6.00	97	0.37

06.3 Structure Installation and Assembly... Seq. 3	Concrete/Industrial Saws	0	8.00	81	0.73
06.3 Structure Installation and Assembly... Seq. 3	Off-Highway Trucks	2	4.00	250	0.38
06.3 Structure Installation and Assembly... Seq. 3	Off-Highway Trucks	3	6.00	250	0.38
06.3 Structure Installation and Assembly... Seq. 3	Off-Highway Trucks	2	5.00	250	0.38
06.3 Structure Installation and Assembly... Seq. 3	Off-Highway Trucks	3	6.00	250	0.38
06.3 Structure Installation and Assembly... Seq. 3	Rubber Tired Dozers	0	1.00	247	0.40
06.3 Structure Installation and Assembly... Seq. 3	Tractors/Loaders/Backhoes	0	6.00	97	0.37
07.1 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 1	Concrete/Industrial Saws	0	8.00	81	0.73
07.1 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 1	Forklifts	1	3.00	83	0.20
07.1 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 1	Off-Highway Trucks	2	6.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 1	Off-Highway Trucks	2	4.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 1	Off-Highway Trucks	2	4.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 1	Off-Highway Trucks	1	4.00	250	0.38
07.1 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 1	Off-Highway Trucks	1	5.00	82	0.44
07.1 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 1	Other Construction Equipment	1	6.00	300	0.42
07.1 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 1	Other Construction Equipment	1	6.00	300	0.42
07.1 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 1	Rubber Tired Dozers	0	1.00	247	0.40
07.1 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 1	Tractors/Loaders/Backhoes	0	6.00	97	0.37
07.2 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 2	Concrete/Industrial Saws	0	8.00	81	0.73
07.2 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 2	Forklifts	1	3.00	83	0.20
07.2 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 2	Off-Highway Trucks	2	6.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 2	Off-Highway Trucks	2	4.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 2	Off-Highway Trucks	2	4.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 2	Off-Highway Trucks	1	4.00	250	0.38
07.2 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 2	Off-Highway Trucks	1	5.00	82	0.38
07.2 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 2	Other Construction Equipment	1	6.00	300	0.42
07.2 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 2	Other Construction Equipment	1	6.00	300	0.42
07.2 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 2	Rubber Tired Dozers	0	1.00	247	0.40
07.2 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 2	Tractors/Loaders/Backhoes	0	6.00	97	0.37
07.3 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 3	Concrete/Industrial Saws	0	8.00	81	0.73
07.3 Stringing Activities/Transfer Conductor/Sacanna Activities... Seq. 3	Forklifts	1	3.00	83	0.20

07.3 Stringing Activities/Transfer Conductor/Sacina Activities - Sec.3	Off-Highway Trucks	2	6.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacina Activities - Sec.3	Off-Highway Trucks	2	4.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacina Activities - Sec.3	Off-Highway Trucks	2	4.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacina Activities - Sec.3	Off-Highway Trucks	1	4.00	250	0.38
07.3 Stringing Activities/Transfer Conductor/Sacina Activities - Sec.3	Off-Highway Trucks	1	5.00	82	0.38
07.3 Stringing Activities/Transfer Conductor/Sacina Activities - Sec.3	Other Construction Equipment	1	6.00	300	0.42
07.3 Stringing Activities/Transfer Conductor/Sacina Activities - Sec.3	Other Construction Equipment	1	6.00	300	0.42
07.3 Stringing Activities/Transfer Conductor/Sacina Activities - Sec.3	Rubber Tired Dozers	0	1.00	247	0.40
07.3 Stringing Activities/Transfer Conductor/Sacina Activities - Sec.3	Tractors/Loaders/Backhoes	0	6.00	97	0.37
08 Trenching for Installation of Underground Cables	Concrete/Industrial Saws	0	8.00	81	0.73
08 Trenching for Installation of Underground Cables	Cranes	1	4.00	226	0.29
08 Trenching for Installation of Underground Cables	Off-Highway Tractors	1	3.00	250	0.44
08 Trenching for Installation of Underground Cables	Off-Highway Trucks	2	3.00	400	0.38
08 Trenching for Installation of Underground Cables	Off-Highway Trucks	1	3.00	250	0.38
08 Trenching for Installation of Underground Cables	Off-Highway Trucks	1	4.00	250	0.38
08 Trenching for Installation of Underground Cables	Off-Highway Trucks	1	3.00	82	0.42
08 Trenching for Installation of Underground Cables	Other Construction Equipment	1	4.00	82	0.42
08 Trenching for Installation of Underground Cables	Rubber Tired Dozers	0	1.00	247	0.40
08 Trenching for Installation of Underground Cables	Tractors/Loaders/Backhoes	1	3.00	97	0.37
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.1	Concrete/Industrial Saws	0	8.00	81	0.73
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.1	Excavators	1	4.00	162	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.1	Graders	1	4.00	174	0.41
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.1	Off-Highway Trucks	1	5.00	400	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.1	Off-Highway Trucks	2	4.00	250	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.1	Off-Highway Trucks	1	4.00	250	0.38
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.1	Other Construction Equipment	1	4.00	74	0.42
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.1	Rubber Tired Dozers	0	1.00	247	0.40
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.1	Tractors/Loaders/Backhoes	1	4.00	97	0.37
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.1	Tractors/Loaders/Backhoes	1	4.00	37	0.37
09.1 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.1	Tractors/Loaders/Backhoes	1	4.00	250	0.37
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing - Sec.2	Concrete/Industrial Saws	0	8.00	81	0.73

09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Excavators	1	4.00	162	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Graders	1	4.00	174	0.41
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Off-Highway Trucks	1	5.00	400	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Off-Highway Trucks	2	4.00	250	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Off-Highway Trucks	1	4.00	250	0.38
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Other Construction Equipment	1	4.00	74	0.42
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Rubber Tired Dozers	0	1.00	247	0.40
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Tractors/Loaders/Backhoes	1	4.00	97	0.37
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Tractors/Loaders/Backhoes	1	4.00	37	0.37
09.2 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 2</small>	Tractors/Loaders/Backhoes	1	4.00	250	0.37
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Concrete/Industrial Saws	0	8.00	81	0.73
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Excavators	1	4.00	162	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Graders	1	4.00	174	0.41
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Off-Highway Trucks	1	5.00	400	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Off-Highway Trucks	2	4.00	250	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Off-Highway Trucks	1	4.00	250	0.38
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Other Construction Equipment	1	4.00	74	0.42
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Rubber Tired Dozers	0	1.00	247	0.40
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Tractors/Loaders/Backhoes	1	4.00	97	0.37
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Tractors/Loaders/Backhoes	1	4.00	37	0.37
09.3 Demobilization/ROW Restoration and Cleanup/Road Refreshing, <small>See 3</small>	Tractors/Loaders/Backhoes	1	4.00	250	0.37
10.1 Substation Work (San Marcos) below grade	Bore/Drill Rigs	1	4.00	250	0.50
10.1 Substation Work (San Marcos) below grade	Concrete/Industrial Saws	0	8.00	81	0.73
10.1 Substation Work (San Marcos) below grade	Off-Highway Trucks	1	1.00	250	0.38
10.1 Substation Work (San Marcos) below grade	Off-Highway Trucks	1	4.00	250	0.38
10.1 Substation Work (San Marcos) below grade	Rubber Tired Dozers	0	1.00	247	0.40
10.1 Substation Work (San Marcos) below grade	Tractors/Loaders/Backhoes	0	6.00	97	0.37
10.1 Substation Work (San Marcos) below grade	Trenchers	1	3.00	250	0.50
10.2 Substation Work (San Marcos) above grade	Cranes	0	4.00	231	0.29
10.2 Substation Work (San Marcos) above grade	Forklifts	0	6.00	89	0.20
10.2 Substation Work (San Marcos) above grade	Off-Highway Tractors	1	1.00	250	0.44

10.2 Substation Work (San Marcos) above grade	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) above grade	Off-Highway Trucks	1	3.00	250	0.38
10.2 Substation Work (San Marcos) above grade	Off-Highway Trucks	1	3.00	250	0.38
10.2 Substation Work (San Marcos) above grade	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) above grade	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) above grade	Off-Highway Trucks	1	3.00	250	0.38
10.2 Substation Work (San Marcos) above grade	Off-Highway Trucks	2	1.00	250	0.38
10.2 Substation Work (San Marcos) above grade	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) above grade	Off-Highway Trucks	1	1.00	250	0.38
10.2 Substation Work (San Marcos) above grade	Tractors/Loaders/Backhoes	0	8.00	97	0.37
10.3 Substation Work (Escondido) below grade	Bore/Drill Rigs	1	4.00	250	0.50
10.3 Substation Work (Escondido) below grade	Concrete/Industrial Saws	0	8.00	81	0.73
10.3 Substation Work (Escondido) below grade	Off-Highway Trucks	1	1.00	250	0.38
10.3 Substation Work (Escondido) below grade	Off-Highway Trucks	1	4.00	250	0.38
10.3 Substation Work (Escondido) below grade	Rubber Tired Dozers	0	1.00	247	0.40
10.3 Substation Work (Escondido) below grade	Tractors/Loaders/Backhoes	0	6.00	97	0.37
10.3 Substation Work (Escondido) below grade	Trenchers	1	3.00	250	0.50
10.4 Substation Work (Escondido) above grade	Cranes	0	4.00	231	0.29
10.4 Substation Work (Escondido) above grade	Forklifts	0	6.00	89	0.20
10.4 Substation Work (Escondido) above grade	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) above grade	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) above grade	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) above grade	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) above grade	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) above grade	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) above grade	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) above grade	Off-Highway Trucks	1	3.00	250	0.38
10.4 Substation Work (Escondido) above grade	Off-Highway Trucks	2	1.00	250	0.38
10.4 Substation Work (Escondido) above grade	Off-Highway Trucks	1	1.00	250	0.38
10.4 Substation Work (Escondido) above grade	Off-Highway Trucks	1	1.00	250	0.38

10.4 Substation Work (Escondido)	Tractors/Loaders/Backhoes	0	8.00	97	0.37
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
01 Pre-Construction Activities	14	20.00	0.00	80.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
02 Access Road Construction/Refresh	4	10.00	0.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
03 Material Haul	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
04.1 Auger Holes, Direct Bury Poles	14	20.00	0.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
04.2 Auger Holes, Direct Bury Poles	14	20.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
04.3 Auger Holes, Direct Bury Poles	14	20.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
05.1 Foundation Construction (Pier)	9	10.00	0.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
05.2 Foundation Construction (Pier)	9	10.00	0.00	281.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
05.3 Foundation Construction (Pier)	9	10.00	0.00	61.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
06.1 Structure Installation and	10	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
06.2 Structure Installation and	10	20.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
06.3 Structure Installation and	10	20.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
07.1 Stringing Activities/Transfer	11	20.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
07.2 Stringing Activities/Transfer	11	20.00	0.00	2.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
07.3 Stringing Activities/Transfer	11	20.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
08 Trenching for Installation of	9	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
09.1 Demobilization/ROW	10	20.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
09.2 Demobilization/ROW	10	20.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
09.3 Demobilization/ROW	10	20.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
10.1 Substation Work (San Marcos) below	4	8.00	0.00	1.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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															
Fugitive Dust					1.5100e-003	0.0000	1.5100e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0400e-003	0.0292	0.0181	4.0000e-005		1.4500e-003	1.4500e-003	1.3300e-003	1.3300e-003	1.3300e-003	0.0000	3.4081	3.4081	1.0800e-003	0.0000	3.4351
Total	3.0400e-003	0.0292	0.0181	4.0000e-005	1.5100e-003	1.4500e-003	2.9600e-003	1.6000e-004	1.3300e-003	1.4900e-003	0.0000	3.4081	3.4081	1.0800e-003	0.0000	3.4351

Mitigated Construction Off-Site

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															
Hauling	2.0000e-005	8.2000e-004	1.8000e-004	0.0000	0.0326	0.0000	0.0326	3.3200e-003	0.0000	3.3200e-003	0.0000	0.2079	0.2079	2.0000e-005	0.0000	0.2084
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	8.0000e-005	6.0000e-005	5.9000e-004	0.0000	8.8200e-003	0.0000	8.8200e-003	9.0000e-004	0.0000	9.1000e-004	0.0000	0.1497	0.1497	0.0000	0.0000	0.1498
Total	1.0000e-004	8.8000e-004	7.7000e-004	0.0000	0.0414	0.0000	0.0414	4.2200e-003	0.0000	4.2300e-003	0.0000	0.3576	0.3576	2.0000e-005	0.0000	0.3582

3.5 01 Pre-Construction Activities - 2020

Unmitigated Construction On-Site

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															
Fugitive Dust					1.5100e-003	0.0000	1.5100e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0390	0.3628	0.2477	5.3000e-004		0.0179	0.0179	0.0165	0.0165	0.0165	0.0000	46.6889	46.6889	0.0151	0.0000	47.0664

Total	0.0390	0.3628	0.2477	5.3000e-004	1.5100e-003	0.0179	0.0194	1.6000e-004	0.0165	0.0167	0.0000	46.6889	46.6889	0.0151	0.0000	47.0664
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Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	3.0000e-004	0.0106	2.4300e-003	3.0000e-005	0.0327	3.0000e-005	0.0328	3.3800e-003	3.0000e-005	3.4100e-003	0.0000	2.8793	2.8793	2.6000e-004	0.0000	2.8858
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	1.0300e-003	7.6000e-004	7.4900e-003	2.0000e-005	0.1235	2.0000e-005	0.1235	0.0127	1.0000e-005	0.0127	0.0000	2.0297	2.0297	6.0000e-005	0.0000	2.0312
Total	1.3300e-003	0.0114	9.9200e-003	5.0000e-005	0.1562	5.0000e-005	0.1562	0.0160	4.0000e-005	0.0161	0.0000	4.9090	4.9090	3.2000e-004	0.0000	4.9170

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					1.5100e-003	0.0000	1.5100e-003	1.6000e-004	0.0000	1.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0390	0.3628	0.2477	5.3000e-004	0.0179	0.0179	0.0179	0.0165	0.0165	0.0165	0.0000	46.6888	46.6888	0.0151	0.0000	47.0663
Total	0.0390	0.3628	0.2477	5.3000e-004	1.5100e-003	0.0179	0.0194	1.6000e-004	0.0165	0.0167	0.0000	46.6888	46.6888	0.0151	0.0000	47.0663

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
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	0.1162	0.0559	1.3000e-004		5.4600e-003	5.4600e-003		5.0200e-003	5.0200e-003	0.0000	11.1187	11.1187	3.6000e-003	0.0000	11.2086
Total	0.0103	0.1162	0.0559	1.3000e-004	0.0000	5.4600e-003	5.4600e-003	0.0000	5.0200e-003	5.0200e-003	0.0000	11.1187	11.1187	3.6000e-003	0.0000	11.2086

Unmitigated Construction Off-Site

Category	MT/yr															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	6.1000e-004	4.5000e-004	4.4200e-003	1.0000e-005	0.0728	1.0000e-005	0.0728	7.4600e-003	1.0000e-005	7.4700e-003	0.0000	1.1960	1.1960	4.0000e-005	0.0000	1.1969
Total	6.1000e-004	4.5000e-004	4.4200e-003	1.0000e-005	0.0728	1.0000e-005	0.0728	7.4600e-003	1.0000e-005	7.4700e-003	0.0000	1.1960	1.1960	4.0000e-005	0.0000	1.1969

Mitigated Construction On-Site

Category	MT/yr															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.1162	0.0559	1.3000e-004		5.4600e-003	5.4600e-003		5.0200e-003	5.0200e-003	0.0000	11.1187	11.1187	3.6000e-003	0.0000	11.2086
Total	0.0103	0.1162	0.0559	1.3000e-004	0.0000	5.4600e-003	5.4600e-003	0.0000	5.0200e-003	5.0200e-003	0.0000	11.1187	11.1187	3.6000e-003	0.0000	11.2086

Mitigated Construction Off-Site

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															
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	6.1000e-004	4.5000e-004	4.4200e-003	1.0000e-005	0.0728	1.0000e-005	0.0728	7.4600e-003	1.0000e-005	7.4700e-003	0.0000	1.1960	1.1960	4.0000e-005	0.0000	1.1969
Total	6.1000e-004	4.5000e-004	4.4200e-003	1.0000e-005	0.0728	1.0000e-005	0.0728	7.4600e-003	1.0000e-005	7.4700e-003	0.0000	1.1960	1.1960	4.0000e-005	0.0000	1.1969

3.11 04.1 Auger Holes, Direct Bury Poles - Seg 1 - 2020

Unmitigated Construction On-Site

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															
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0421	0.3963	0.2667	7.4000e-004		0.0169	0.0169	0.0158	0.0158	0.0158	0.0000	64.4615	64.4615	0.0197	0.0000	64.9534
Total	0.0421	0.3963	0.2667	7.4000e-004	1.0000e-004	0.0169	0.0170	1.0000e-005	0.0158	0.0158	0.0000	64.4615	64.4615	0.0197	0.0000	64.9534

Unmitigated Construction Off-Site

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																

Hauling	1.0000e-005	2.8000e-004	7.0000e-005	0.0000	8.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.0771	0.0771	1.0000e-005	0.0000	0.0773
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0300e-003	7.6000e-004	7.4900e-003	2.0000e-005	0.1235	0.0127	1.0000e-005	0.0127	0.0000	2.0297	2.0297	6.0000e-005	0.0000	2.0312
Total	1.0400e-003	1.0400e-003	7.5600e-003	2.0000e-005	0.1243	0.0127	1.0000e-005	0.0128	0.0000	2.1068	2.1068	7.0000e-005	0.0000	2.1085

Mitigated Construction On-Site

Category	tons/yr													MT/yr			
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Fugitive Dust					1.0000e-004	0.0000	1.0000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	0.0421	0.3963	0.2667	7.4000e-004	0.0169	0.0169	0.0156	0.0158	0.0000	64.4614	64.4614	0.0197	0.0000	64.9533			
Total	0.0421	0.3963	0.2667	7.4000e-004	0.0169	0.0170	0.0158	0.0158	0.0000	64.4614	64.4614	0.0197	0.0000	64.9533			

Mitigated Construction Off-Site

Category	tons/yr													MT/yr			
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	1.0000e-005	2.8000e-004	7.0000e-005	0.0000	8.2000e-004	0.0000	8.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.0771	0.0771	1.0000e-005	0.0000	0.0773	
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	1.0300e-003	7.6000e-004	7.4900e-003	2.0000e-005	0.1235	0.0127	1.0000e-005	0.0127	0.0000	2.0297	2.0297	6.0000e-005	0.0000	2.0312			
Total	1.0400e-003	1.0400e-003	7.5600e-003	2.0000e-005	0.1243	0.0127	1.0000e-005	0.0128	0.0000	2.1068	2.1068	7.0000e-005	0.0000	2.1085			

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0310	0.2810	0.2441	5.1000e-004	0.0137	0.0137	0.0129	0.0129	0.0129	0.0129	0.0000	44.7243	44.7243	0.0121	0.0000	45.0269
Total	0.0310	0.2810	0.2441	5.1000e-004	3.0000e-005	0.0137	0.0137	0.0129	0.0129	0.0129	0.0000	44.7243	44.7243	0.0121	0.0000	45.0269

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	1.0000e-005	2.8000e-004	7.0000e-005	0.0000	8.2000e-004	0.0000	8.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.0771	0.0771	1.0000e-005	0.0000	0.0773
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	8.8000e-004	6.5000e-004	6.4200e-003	2.1000e-005	0.1058	1.0000e-005	0.1058	0.0109	1.0000e-005	0.0109	0.0000	1.7397	1.7397	5.0000e-005	0.0000	1.7410
Total	8.9000e-004	9.3000e-004	6.4900e-003	2.0000e-005	0.1066	1.0000e-005	0.1067	0.0109	1.0000e-005	0.0110	0.0000	1.8168	1.8168	6.0000e-005	0.0000	1.8183

3.13 04.2 Auger Holes, Direct Bury Poles - Seg 2 - 2020
Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0466	0.4388	0.2953	8.1000e-004	0.0188	0.0188	0.0174	0.0174	0.0174	0.0174	0.0000	71.3681	71.3681	0.0218	0.0000	71.9127
Total	0.0466	0.4388	0.2953	8.1000e-004	2.0000e-005	0.0188	0.0188	0.0174	0.0174	0.0174	0.0000	71.3681	71.3681	0.0218	0.0000	71.9127

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
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	1.1400e-003	8.5000e-004	8.3000e-003	2.0000e-005	0.1367	2.0000e-005	0.1367	0.0140	2.0000e-005	0.0140	0.0000	2.2471	2.2471	7.0000e-005	0.0000	2.2488
Total	1.1400e-003	9.9000e-004	8.3300e-003	2.0000e-005	0.1371	2.0000e-005	0.1371	0.0141	2.0000e-005	0.0141	0.0000	2.2857	2.2857	7.0000e-005	0.0000	2.2875

3.14 06.1 Structure Installation and Assembly - Seg 1 - 2020
Unmitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					1.7000e-004	0.0000	1.7000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0482	0.4395	0.2439	8.5000e-004	0.0171	0.0171	0.0171	0.0158	0.0158	0.0158	0.0000	74.7707	74.7707	0.0242	0.0000	75.3753
Total	0.0482	0.4395	0.2439	8.5000e-004	0.0173	0.0171	0.0173	0.0158	0.0158	0.0158	0.0000	74.7707	74.7707	0.0242	0.0000	75.3753

Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.1400e-003	8.5000e-004	8.3000e-003	2.0000e-005	0.1367	2.0000e-005	0.1367	0.0140	2.0000e-005	0.0140	0.0000	2.2471	2.2471	7.0000e-005	0.0000	2.2488

Total	1.1400e-003	8.5000e-004	8.3000e-003	2.0000e-005	0.1367	2.0000e-005	0.1367	0.0140	2.0000e-005	0.0140	0.0000	2.2471	2.2471	7.0000e-005	0.0000	2.2488
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Mitigated Construction On-Site

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															
Fugitive Dust					1.7000e-004	0.0000	1.7000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0482	0.4395	0.2439	8.5000e-004	0.0171	0.0171	0.0171	0.0158	0.0158	0.0158	0.0000	74.7707	74.7707	0.0242	0.0000	75.3752
Total	0.0482	0.4395	0.2439	8.5000e-004	1.7000e-004	0.0171	0.0173	2.0000e-005	0.0158	0.0158	0.0000	74.7707	74.7707	0.0242	0.0000	75.3752

Mitigated Construction Off-Site

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															
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	1.1400e-003	8.5000e-004	8.3000e-003	2.0000e-005	0.1367	2.0000e-005	0.1367	0.0140	2.0000e-005	0.0140	0.0000	2.2471	2.2471	7.0000e-005	0.0000	2.2488
Total	1.1400e-003	8.5000e-004	8.3000e-003	2.0000e-005	0.1367	2.0000e-005	0.1367	0.0140	2.0000e-005	0.0140	0.0000	2.2471	2.2471	7.0000e-005	0.0000	2.2488

3.15 10.1 Substation Work (San Marcos) below grade - 2020
Unmitigated Construction On-Site

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															
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	5.7700e-003	0.0645	0.0308	1.1000e-004		2.4100e-003	2.4100e-003		2.2100e-003	2.2100e-003	0.0000	9.5152	9.5152	3.0800e-003	0.0000	9.5921
Total	5.7700e-003	0.0645	0.0308	1.1000e-004	0.0000	2.4100e-003	2.4100e-003	0.0000	2.2100e-003	2.2100e-003	0.0000	9.5152	9.5152	3.0800e-003	0.0000	9.5921

Unmitigated Construction Off-Site

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															
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	6.6000e-004	0.0000	6.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.6000e-004	1.6100e-003	0.0000	0.0429	0.0000	0.0429	4.3600e-003	0.0000	4.3600e-003	0.0000	0.4349	0.4349	1.0000e-005	0.0000	0.4353
Total	2.2000e-004	3.0000e-004	1.6400e-003	0.0000	0.0436	0.0000	0.0436	4.4300e-003	0.0000	4.4300e-003	0.0000	0.4735	0.4735	1.0000e-005	0.0000	0.4739

Mitigated Construction On-Site

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															
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	5.7700e-003	0.0645	0.0308	1.1000e-004		2.4100e-003	2.4100e-003		2.2100e-003	2.2100e-003	0.0000	9.5152	9.5152	3.0800e-003	0.0000	9.5921

Total	5.7700e-003	0.0645	0.0308	1.1000e-004	0.0000	2.4100e-003	2.4100e-003	0.0000	2.2100e-003	2.2100e-003	0.0000	9.5152	9.5152	3.0800e-003	0.0000	9.5921
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Mitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	6.6000e-004	0.0000	6.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.6000e-004	1.6100e-003	0.0000	0.0429	0.0000	0.0429	4.3600e-003	0.0000	4.3600e-003	0.0000	0.4349	0.4349	1.0000e-005	0.0000	0.4353
Total	2.2000e-004	3.0000e-004	1.6400e-003	0.0000	0.0436	0.0000	0.0436	4.4300e-003	0.0000	4.4300e-003	0.0000	0.4735	0.4735	1.0000e-005	0.0000	0.4739

3.16 08 Trenching for Installation of Underground Cables - 2020

Unmitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0801	0.7953	0.4712	1.3300e-003	0.0355	0.0355	0.0355	0.0327	0.0327	0.0327	0.0000	116.6081	116.6081	0.0377	0.0000	117.5509
Total	0.0801	0.7953	0.4712	1.3300e-003	0.0355	0.0355	0.0356	0.0327	0.0327	0.0327	0.0000	116.6081	116.6081	0.0377	0.0000	117.5509

Unmitigated Construction Off-Site

Worker	1.8100e-003	1.3400e-003	0.0131	4.0000e-005	0.2161	3.0000e-005	0.2161	0.0222	3.0000e-005	0.0222	0.0000	3.5519	3.5519	1.1000e-004	0.0000	3.5546
Total	1.8100e-003	1.3400e-003	0.0131	4.0000e-005	0.2161	3.0000e-005	0.2161	0.0222	3.0000e-005	0.0222	0.0000	3.5519	3.5519	1.1000e-004	0.0000	3.5546

3.17 10.2 Substation Work (San Marcos) above grade - 2020

Unmitigated Construction On-Site

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															
Off-Road	8.6000e-003	0.0795	0.0437	1.5000e-004	3.0700e-003	3.0700e-003	3.0700e-003	2.8300e-003	2.8300e-003	2.8300e-003	0.0000	13.5068	13.5068	4.3700e-003	0.0000	13.6161
Total	8.6000e-003	0.0795	0.0437	1.5000e-004	3.0700e-003	3.0700e-003	3.0700e-003	2.8300e-003	2.8300e-003	2.8300e-003	0.0000	13.5068	13.5068	4.3700e-003	0.0000	13.6161

Unmitigated Construction Off-Site

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															
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	6.6000e-004	0.0000	6.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
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	9.4000e-004	7.0000e-004	6.8200e-003	2.0000e-005	0.1824	1.0000e-005	0.1824	0.0185	1.0000e-005	0.0185	0.0000	1.8484	1.8484	6.0000e-005	0.0000	1.8498
Total	9.4000e-004	8.4000e-004	6.8500e-003	2.0000e-005	0.1831	1.0000e-005	0.1831	0.0186	1.0000e-005	0.0186	0.0000	1.8870	1.8870	6.0000e-005	0.0000	1.8885

Mitigated Construction On-Site

Off-Road	0.0498	0.4507	0.3916	8.2000e-004	0.0220	0.0220	0.0207	0.0207	0.0000	71.7454	71.7454	0.0194	0.0000	72.2307
Total	0.0498	0.4507	0.3916	8.2000e-004	0.0220	0.0220	0.0207	0.0209	0.0000	71.7454	71.7454	0.0194	0.0000	72.2307

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	1.1200e-003	0.0400	9.1500e-003	1.1000e-004	0.1150	1.3000e-004	0.1152	0.0119	1.2000e-004	0.0120	0.0000	10.8361	10.8361	9.8000e-004	0.0000	10.8604
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	1.4200e-003	1.0500e-003	0.0103	3.0000e-005	0.1698	2.0000e-005	0.1698	0.0174	2.0000e-005	0.0174	0.0000	2.7908	2.7908	8.0000e-005	0.0000	2.7929
Total	2.5400e-003	0.0410	0.0195	1.4000e-004	0.2848	1.5000e-004	0.2849	0.0293	1.4000e-004	0.0294	0.0000	13.6268	13.6268	1.0600e-003	0.0000	13.6533

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					1.2900e-003	0.0000	1.2900e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0498	0.4507	0.3916	8.2000e-004		0.0220	0.0220		0.0207	0.0207	0.0000	71.7453	71.7453	0.0194	0.0000	72.2306
Total	0.0498	0.4507	0.3916	8.2000e-004	1.2900e-003	0.0220	0.0233	1.5000e-004	0.0207	0.0209	0.0000	71.7453	71.7453	0.0194	0.0000	72.2306

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr															
MT/yr																
Hauling	1.1200e-003	0.0400	9.1500e-003	1.1000e-004	0.1150	1.3000e-004	0.1152	0.0119	1.2000e-004	0.0120	0.0000	10.8361	10.8361	9.8000e-004	0.0000	10.8604
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	1.4200e-003	1.0500e-003	0.0103	3.0000e-005	0.1698	2.0000e-005	0.1698	0.0174	2.0000e-005	0.0174	0.0000	2.7908	2.7908	8.0000e-005	0.0000	2.7929
Total	2.5400e-003	0.0410	0.0195	1.4000e-004	0.2848	1.5000e-004	0.2849	0.0293	1.4000e-004	0.0294	0.0000	13.6268	13.6268	1.0600e-003	0.0000	13.6533

3.19 04.3 Auger Holes, Direct Bury Poles - Seg 3 - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr															
MT/yr																
Fugitive Dust					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0000e-003	0.0283	0.0191	5.0000e-005	1.2100e-003	1.2100e-003	1.2100e-003	1.1200e-003	1.1200e-003	1.1200e-003	0.0000	4.6044	4.6044	1.4100e-003	0.0000	4.6395
Total	3.0000e-003	0.0283	0.0191	5.0000e-005	1.0000e-005	1.2100e-003	1.2200e-003	0.0000	1.1200e-003	1.1200e-003	0.0000	4.6044	4.6044	1.4100e-003	0.0000	4.6395

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	1.4000e-004	3.0000e-005	0.0000	4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387

Unmitigated Construction On-Site

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															
Fugitive Dust					3.4000e-004	0.0000	3.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1057	0.9641	0.5349	1.8700e-003		0.0376	0.0376		0.0346	0.0346	0.0000	164.0132	164.0132	0.0531	0.0000	165.3394
Total	0.1057	0.9641	0.5349	1.8700e-003	3.4000e-004	0.0376	0.0379	4.0000e-005	0.0346	0.0346	0.0000	164.0132	164.0132	0.0531	0.0000	165.3394

Unmitigated Construction Off-Site

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															
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5100e-003	1.8600e-003	0.0182	5.0000e-005	0.2998	4.0000e-005	0.2999	0.0308	4.0000e-005	0.0308	0.0000	4.9292	4.9292	1.5000e-004	0.0000	4.9329
Total	2.5100e-003	2.0000e-003	0.0182	5.0000e-005	0.3002	4.0000e-005	0.3003	0.0308	4.0000e-005	0.0308	0.0000	4.9677	4.9677	1.5000e-004	0.0000	4.9715

Mitigated Construction On-Site

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															

Fugitive Dust						3.4000e-004	0.0000	3.4000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1057	0.9641	0.5349	1.8700e-003		0.0376	0.0376	0.0376	0.0346	0.0000	0.0346	0.0000	164.0131	164.0131	0.0531	0.0000	165.3392
Total	0.1057	0.9641	0.5349	1.8700e-003		0.0376	0.0376	0.0379	0.0346	0.0000	0.0346	0.0000	164.0131	164.0131	0.0531	0.0000	165.3392

Mitigated Construction Off-Site

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																
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5100e-003	1.8600e-003	0.0182	5.0000e-005	0.2998	4.0000e-005	0.2999	0.0308	4.0000e-005	0.0308	0.0000	4.9292	4.9292	1.5000e-004	0.0000	4.9329
Total	2.5100e-003	2.0000e-003	0.0182	5.0000e-005	0.3002	4.0000e-005	0.3003	0.0308	4.0000e-005	0.0308	0.0000	4.9677	4.9677	1.5000e-004	0.0000	4.9715

**3.21 07.1 Stringing Activities/Transfer Conductor/Sagging
Unmitigated Construction On-Site**

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																
Fugitive Dust					1.3000e-004	0.0000	1.3000e-004	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0726	0.7163	0.4175	1.3600e-003	0.0277	0.0277	0.0277	0.0255	0.0255	0.0255	0.0000	119.4239	119.4239	0.0386	0.0000	120.3895
Total	0.0726	0.7163	0.4175	1.3600e-003	0.0277	0.0277	0.0279	1.0000e-005	0.0255	0.0255	0.0000	119.4239	119.4239	0.0386	0.0000	120.3895

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	tons/yr					MT/yr							
					Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	1.4000e-04	3.0000e-05	0.0000	4.1000e-04	0.0000	4.1000e-04	0.0000	0.0000	4.1000e-04	0.0000	0.0000	0.0386	0.0000	0.0000	0.0000	0.0387
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	0.0000
Worker	2.0300e-03	1.5000e-03	0.0147	4.0000e-05	0.2425	3.0000e-05	0.2425	0.0249	3.0000e-05	0.0249	0.0249	0.0000	3.9868	1.2000e-04	0.0000	0.0000	3.9898
Total	2.0300e-03	1.6400e-03	0.0148	4.0000e-05	0.2429	3.0000e-05	0.2429	0.0249	3.0000e-05	0.0249	0.0249	0.0000	4.0254	1.2000e-04	0.0000	0.0000	4.0285

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	tons/yr					MT/yr							
					Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Fugitive Dust					1.3000e-04	0.0000	1.3000e-04	1.0000e-05	0.0000	1.0000e-05	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0726	0.7163	0.4175	1.3600e-03	0.0277	0.0277	0.0277	0.0255	0.0255	0.0255	0.0000	119.4237	119.4237	0.0386	0.0000	0.0000	120.3893
Total	0.0726	0.7163	0.4175	1.3600e-03	0.0279	0.0277	0.0279	1.0000e-05	0.0255	0.0255	0.0000	119.4237	119.4237	0.0386	0.0000	0.0000	120.3893

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	tons/yr					MT/yr						
					Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
(Data for this table is not visible in the provided image)																

Hauling	0.0000	1.4000e-04	3.0000e-05	0.0000	4.1000e-04	0.0000	4.1000e-04	4.0000e-05	0.0000	4.0000e-05	0.0386	0.0000	0.0000	0.0387
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0300e-003	1.5000e-003	0.0147	4.0000e-005	0.2425	3.0000e-005	0.2425	0.0249	3.0000e-005	0.0249	3.9868	1.2000e-004	0.0000	3.9898
Total	2.0300e-003	1.6400e-003	0.0148	4.0000e-005	0.2429	3.0000e-005	0.2429	0.0249	3.0000e-005	0.0249	4.0254	1.2000e-004	0.0000	4.0285

3.22 05.3 Foundation Construction (Pier) - Seg 3 - 2020

Unmitigated Construction On-Site

Category	tons/yr													MT/yr			
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Fugitive Dust					3.5000e-004	0.0000	3.5000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	7.1100e-003	0.0644	0.0559	1.2000e-004	3.1500e-003	3.1500e-003	3.1500e-003	2.9600e-003	2.9600e-003	2.9600e-003	0.0000	10.2493	10.2493	2.7700e-003	0.0000	10.3187	
Total	7.1100e-003	0.0644	0.0559	1.2000e-004	3.5000e-004	3.1500e-003	3.5000e-003	4.0000e-005	2.9600e-003	3.0000e-003	0.0000	10.2493	10.2493	2.7700e-003	0.0000	10.3187	

Unmitigated Construction Off-Site

Category	tons/yr													MT/yr			
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	2.4000e-004	8.6800e-003	1.9900e-003	2.0000e-005	0.0250	3.0000e-005	0.0250	2.5800e-003	3.0000e-005	2.6000e-003	0.0000	2.3523	2.3523	2.1000e-004	0.0000	2.3576	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	2.0000e-004	1.5000e-004	1.4700e-003	0.0000	0.0243	0.0000	0.0243	2.4900e-003	0.0000	2.4900e-003	0.0000	0.3987	0.3987	1.0000e-005	0.0000	0.3990	
Total	4.4000e-004	8.6300e-003	3.4600e-003	2.0000e-005	0.0492	3.0000e-005	0.0493	5.0700e-003	3.0000e-005	5.0900e-003	0.0000	2.7510	2.7510	2.2000e-004	0.0000	2.7566	

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					1.7000e-004	0.0000	1.7000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0280	0.2552	0.1416	4.9000e-004	9.9400e-003	9.9400e-003	9.9400e-003	9.1500e-003	9.1500e-003	9.1500e-003	0.0000	43.4153	43.4153	0.0140	0.0000	43.7663
Total	0.0280	0.2552	0.1416	4.9000e-004	9.9400e-003	9.9400e-003	0.0101	2.0000e-005	9.1500e-003	9.1700e-003	0.0000	43.4153	43.4153	0.0140	0.0000	43.7663

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
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	6.6000e-004	4.9000e-004	4.8200e-003	1.9000e-005	0.0794	1.9000e-005	0.0794	8.1400e-003	1.0000e-005	8.1500e-003	0.0000	1.3048	1.3048	4.0000e-005	0.0000	1.3058
Total	6.6000e-004	6.3000e-004	4.8500e-003	1.0000e-005	0.0798	1.0000e-005	0.0798	8.1800e-003	1.0000e-005	8.1900e-003	0.0000	1.3433	1.3433	4.0000e-005	0.0000	1.3444

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					1.7000e-004	0.0000	1.7000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0280	0.2552	0.1416	4.9000e-004	9.9400e-003	9.9400e-003	9.9400e-003	9.1500e-003	9.1500e-003	9.1500e-003	0.0000	43.4152	43.4152	0.0140	0.0000	43.7663
Total	0.0280	0.2552	0.1416	4.9000e-004	9.9400e-003	9.9400e-003	0.0101	2.0000e-005	9.1500e-003	9.1700e-003	0.0000	43.4152	43.4152	0.0140	0.0000	43.7663

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	6.6000e-004	0.0000	6.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.6000e-004	1.6100e-003	0.0000	0.0429	0.0000	0.0429	4.3600e-003	0.0000	4.3600e-003	0.0000	0.4349	0.4349	1.0000e-005	0.0000	0.4353
Total	2.2000e-004	3.0000e-004	1.6400e-003	0.0000	0.0436	0.0000	0.0436	4.4300e-003	0.0000	4.4300e-003	0.0000	0.4735	0.4735	1.0000e-005	0.0000	0.4739

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	5.7700e-003	0.0645	0.0308	1.1000e-004	2.4100e-003	2.4100e-003	2.4100e-003	2.2100e-003	2.2100e-003	2.2100e-003	0.0000	9.5152	9.5152	3.0800e-003	0.0000	9.5921
Total	5.7700e-003	0.0645	0.0308	1.1000e-004	2.4100e-003	2.4100e-003	2.4100e-003	2.2100e-003	2.2100e-003	2.2100e-003	0.0000	9.5152	9.5152	3.0800e-003	0.0000	9.5921

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	6.6000e-004	0.0000	6.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.6000e-004	1.6100e-003	0.0000	0.0429	0.0000	0.0429	4.3600e-003	0.0000	4.3600e-003	0.0000	0.4349	0.4349	1.0000e-005	0.0000	0.4353

Total	2.2000e-004	3.0000e-004	1.6400e-003	0.0000	0.0436	0.0000	0.0436	4.4300e-003	0.0000	4.4300e-003	0.0000	0.4735	0.4735	1.0000e-005	0.0000	0.4739
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3.25 10.4 Substation Work (Escondido) above grade - 2020

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	8.6300e-003	0.0788	0.0437	1.5000e-004	3.0700e-003	3.0700e-003	3.0700e-003	2.8200e-003	2.8200e-003	2.8200e-003	0.0000	13.3998	13.3998	4.3300e-003	0.0000	13.5081
Total	8.6300e-003	0.0788	0.0437	1.5000e-004	3.0700e-003	3.0700e-003	3.0700e-003	2.8200e-003	2.8200e-003	2.8200e-003	0.0000	13.3998	13.3998	4.3300e-003	0.0000	13.5081

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	6.6000e-004	0.0000	6.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
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	9.4000e-004	7.0000e-004	6.8200e-003	2.0000e-005	0.1824	1.0000e-005	0.1824	0.0185	1.0000e-005	0.0185	0.0000	1.8484	1.8484	6.0000e-005	0.0000	1.8498
Total	9.4000e-004	8.4000e-004	6.8500e-003	2.0000e-005	0.1831	1.0000e-005	0.1831	0.0186	1.0000e-005	0.0186	0.0000	1.8870	1.8870	6.0000e-005	0.0000	1.8885

Mitigated Construction On-Site

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																
Off-Road	8.6300e-003	0.0788	0.0437	1.5000e-004	3.0700e-003	3.0700e-003	3.0700e-003	2.8200e-003	2.8200e-003	2.8200e-003	0.0000	13.3998	13.3998	4.3300e-003	0.0000	13.5081
Total	8.6300e-003	0.0788	0.0437	1.5000e-004	3.0700e-003	3.0700e-003	3.0700e-003	2.8200e-003	2.8200e-003	2.8200e-003	0.0000	13.3998	13.3998	4.3300e-003	0.0000	13.5081

Mitigated Construction Off-Site

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																
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	6.6000e-004	0.0000	6.6000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
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	9.4000e-004	7.0000e-004	6.8200e-003	2.0000e-005	0.1824	1.0000e-005	0.1824	0.0185	1.0000e-005	0.0185	0.0000	1.8484	1.8484	6.0000e-005	0.0000	1.8498
Total	9.4000e-004	8.4000e-004	6.8500e-003	2.0000e-005	0.1831	1.0000e-005	0.1831	0.0186	1.0000e-005	0.0186	0.0000	1.8570	1.8570	6.0000e-005	0.0000	1.8585

3.26 07.2 Stringing Activities/Transfer Conductor/Sagging

Unmitigated Construction On-Site

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																
Fugitive Dust					4.0000e-004	0.0000	4.0000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0436	0.4298	0.2505	8.2000e-004		0.0166	0.0166		0.0153	0.0153	0.0000	71.6543	71.6543	0.0232	0.0000	72.2337

Total	0.0436	0.4298	0.2505	8.2000e-004	4.0000e-005	0.0166	0.0170	4.0000e-005	0.0153	0.0154	0.0000	71.6543	71.6543	0.0232	0.0000	72.2337
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Unmitigated Construction Off-Site

Category	tons/yr															MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e				
Hauling	1.0000e-005	2.8000e-004	7.0000e-005	0.0000	8.2000e-004	0.0000	8.2000e-004	8.0000e-005	0.0000	9.0000e-005	0.0000	0.0771	0.0771	1.0000e-005	0.0000	0.0773				
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	1.2200e-003	9.0000e-004	8.8300e-003	3.0000e-005	0.1455	2.0000e-005	0.1455	0.0149	2.0000e-005	0.0149	0.0000	2.3921	2.3921	7.0000e-005	0.0000	2.3939				
Total	1.2300e-003	1.1800e-003	8.9000e-003	3.0000e-005	0.1463	2.0000e-005	0.1463	0.0150	2.0000e-005	0.0150	0.0000	2.4692	2.4692	8.0000e-005	0.0000	2.4712				

Mitigated Construction On-Site

Category	tons/yr															MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e				
Fugitive Dust					4.0000e-004	0.0000	4.0000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Off-Road	0.0436	0.4298	0.2505	8.2000e-004	0.0166	0.0166	0.0153	0.0153	0.0153	0.0153	0.0000	71.6542	71.6542	0.0232	0.0000	72.2336				
Total	0.0436	0.4298	0.2505	8.2000e-004	4.0000e-004	0.0166	0.0170	4.0000e-005	0.0153	0.0154	0.0000	71.6542	71.6542	0.0232	0.0000	72.2336				

Mitigated Construction Off-Site

Worker	1.2500e-003	9.3000e-004	9.1000e-003	3.0000e-005	0.1499	2.0000e-005	0.1499	0.0154	2.0000e-005	0.0154	0.0000	2.4646	2.4646	7.0000e-005	0.0000	2.4664
Total	1.2500e-003	1.0700e-003	9.1300e-003	3.0000e-005	0.1503	2.0000e-005	0.1503	0.0154	2.0000e-005	0.0154	0.0000	2.5031	2.5031	7.0000e-005	0.0000	2.5051

Mitigated Construction On-Site

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																
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	0.0360	0.3413	0.2306	5.7000e-004		0.0155	0.0155	0.0143	0.0143	0.0143	0.0000	50.2735	50.2735	0.0163	0.0000	50.6800
Total	0.0360	0.3413	0.2306	5.7000e-004	0.0000	0.0155	0.0155	0.0000	0.0143	0.0143	0.0000	50.2735	50.2735	0.0163	0.0000	50.6800
MT/yr																

Mitigated Construction Off-Site

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																
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
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	1.2500e-003	9.3000e-004	9.1000e-003	3.0000e-005	0.1499	2.0000e-005	0.1499	0.0154	2.0000e-005	0.0154	0.0000	2.4646	2.4646	7.0000e-005	0.0000	2.4664
Total	1.2500e-003	1.0700e-003	9.1300e-003	3.0000e-005	0.1503	2.0000e-005	0.1503	0.0154	2.0000e-005	0.0154	0.0000	2.5031	2.5031	7.0000e-005	0.0000	2.5051
MT/yr																

3.28 07.3 Stringing Activities/Transfer Conductor/Sagging

Unmitigated Construction On-Site

Off-Road	0.0436	0.4298	0.2505	8.2000e-004	0.0166	0.0166	0.0153	0.0153	0.0000	71.6542	71.6542	0.0232	0.0000	72.2336
Total	0.0436	0.4298	0.2505	8.2000e-004	0.0166	0.0166	0.0153	0.0153	0.0000	71.6542	71.6542	0.0232	0.0000	72.2336

Mitigated Construction Off-Site

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																
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
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	1.2200e-003	9.0000e-004	8.8300e-003	3.0000e-005	0.1455	2.0000e-005	0.1455	0.0149	2.0000e-005	0.0149	0.0000	2.3921	2.3921	7.0000e-005	0.0000	2.3939
Total	1.2200e-003	1.0400e-003	8.8600e-003	3.0000e-005	0.1459	2.0000e-005	0.1459	0.0150	2.0000e-005	0.0150	0.0000	2.4307	2.4307	7.0000e-005	0.0000	2.4325

3.29 09.3 Demobilization/ROW Restoration and Cleanup/Road

Unmitigated Construction On-Site

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																
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	0.0476	0.4517	0.3052	7.6000e-004	0.0206	0.0206	0.0206	0.0189	0.0189	0.0189	0.0000	66.5385	66.5385	0.0215	0.0000	67.0765
Total	0.0476	0.4517	0.3052	7.6000e-004	0.0206	0.0206	0.0206	0.0189	0.0189	0.0189	0.0000	66.5385	66.5385	0.0215	0.0000	67.0765

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	1.4000e-004	3.0000e-005	0.0000	4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
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	1.6600e-003	1.2300e-003	0.0120	4.0000e-005	0.1984	3.0000e-005	0.1984	0.0204	2.0000e-005	0.0204	0.0000	3.2619	3.2619	1.0000e-004	0.0000	3.2644
Total	1.6600e-003	1.3700e-003	0.0121	4.0000e-005	0.1988	3.0000e-005	0.1988	0.0204	2.0000e-005	0.0204	0.0000	3.3005	3.3005	1.0000e-004	0.0000	3.3030

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	0.0476	0.4517	0.3052	7.6000e-004	0.0206	0.0206	0.0206	0.0189	0.0189	0.0189	0.0000	66.5385	66.5385	0.0215	0.0000	67.0765
Total	0.0476	0.4517	0.3052	7.6000e-004	0.0000	0.0206	0.0206	0.0000	0.0189	0.0189	0.0000	66.5385	66.5385	0.0215	0.0000	67.0765

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	1.4000e-004	3.0000e-005	0.0000	4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387

Mitigated Construction On-Site

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																
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	0.0349	0.3312	0.2238	5.6000e-004	0.0139	0.0151	0.0151	0.0139	0.0139	0.0139	0.0000	48.7949	48.7949	0.0158	0.0000	49.1894
Total	0.0349	0.3312	0.2238	5.6000e-004	0.0000	0.0151	0.0151	0.0000	0.0139	0.0139	0.0000	48.7949	48.7949	0.0158	0.0000	49.1894

Mitigated Construction Off-Site

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																
Hauling	0.0000	1.4000e-004	3.0000e-005	0.0000	4.1000e-004	0.0000	4.1000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0386	0.0386	0.0000	0.0000	0.0387
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	1.2200e-003	9.0000e-004	8.8300e-003	3.0000e-005	0.1455	2.0000e-005	0.1455	0.0149	2.0000e-005	0.0149	0.0000	2.3921	2.3921	7.0000e-005	0.0000	2.3939
Total	1.2200e-003	1.0400e-003	8.8600e-003	3.0000e-005	0.1459	2.0000e-005	0.1459	0.0150	2.0000e-005	0.0150	0.0000	2.4307	2.4307	7.0000e-005	0.0000	2.4325

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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															
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate		Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday Sunday		
User Defined Industrial	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00

4.3 Trip Type Information

Land Use	Miles						Trip %		
	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
User Defined Industrial	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.593936	0.041843	0.182569	0.108325	0.016436	0.005513	0.015940	0.023523	0.001912	0.001972	0.006090	0.000748	0.001193

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

6.1 Mitigation Measures Area

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															
Mitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Unmitigated	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
	MT/yr															

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	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															
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	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005
	MT/yr															

Mitigated

SubCategory	ROG	NOx	CO	SO2	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																	
Architectural Coating	0.0000					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	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005	2.0000e-005
Total	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	2.0000e-005	2.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

Category	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

7.2 Water by Land Use

Unmitigated

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

User Defined	0 / 0	0.0000	0.0000	0.0000	0.0000
Industrial					
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined	0 / 0	0.0000	0.0000	0.0000	0.0000
Industrial					
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

Land Use	Waste Disposed tons	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

Land Use	Waste Disposed tons	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
User Defined Industrial	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 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

*Emissions taken from CalEEMod run.

Project Construction (Maximum Daily Emission) - lbs/day

Summer Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2019	3.1407	30.0756	18.8672	0.0418	46.5438	2.6181	47.9957	4.7415	2.4591	6.0774
2020	15.5721	142.6864	89.8684	0.276	80.4126	5.8494	86.262	8.2048	5.3934	13.5982

Winter Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2019	3.1517	30.0906	18.8456	0.0417	46.5438	2.6181	47.9958	4.7415	2.4591	6.0774
2020	15.6381	142.7374	89.6673	0.2753	80.4126	5.8495	86.2621	8.2048	5.3935	13.5983

Max. Daily Emissions

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total
2019	3.1517	30.0906	18.8672	0.0418	46.5438	2.6181	47.9958	4.7415	2.4591	6.0774
2020	15.6381	142.7374	89.8684	0.276	80.4126	5.8495	86.2621	8.2048	5.3935	13.5983

Project Annual Construction CO2e Emissions (MT/yr)

	CO2	CH4	N2O	CO2e
2019	3.7657	0.0011	0	3.7933
2020	1317.3562	0.3987	0	1327.3233

Circuit Breakers

SF6 GWP: 22800

of SF6 Circuit
Breakers: 2

Lbs of SF6 per Circuit: 33

Total lbs of SF6: 66

Annual Leak Rate: 0.10%

**Annual Emissions
(MT/yr.): 0.6831792**

Helicopter Criteria Pollutant and GHG calculations

Assumptions and Variables

Constant	value	units	source
Total running time	24	poles	
	10.0	minutes per pole	
	240	minutes of work per day	
	2	days of work	
	480	total minutes of work	
	0.1	hr	
	0.9		
	6.84	liters/gallon	air BP Handbook of Products, page 11 (Jet-A fuel)
Fraction of time in idle			
Fraction of time in Climbout/Approach			
Jet Fuel Density (at 15 degrees C) -- equiv. to 820 km/m3			
GHGs for Jet Fuel:			
CO2	9.75	kg per gallon	The Climate Registry 2017 Default Emission Factors (Table 13.1 - US Default CO2 Emission Factors for Jet Fuel)
CH4	0	kg per gallon	The Climate Registry 2017 Default Emission Factors for Jet Fuel
N2O	0.00031	kg per gallon	The Climate Registry 2017 Default Emission Factors for Jet Fuel
Global Warming Potential of GHGs			
	1	CO2	IPCC, Fourth Assessment Report, 2007
	25	CH4	IPCC, Fourth Assessment Report, 2007
	298	N2O	IPCC, Fourth Assessment Report, 2007
Jet Fuel Usage - Idle	142	liters/hr	EPA, Air Pollutant Emission Factors for Military and Civil Aircraft, 1978
Jet Fuel Usage - Climbout/Approach	679	liters/hr	EPA, Air Pollutant Emission Factors for Military and Civil Aircraft, 1978
PM2.5 fraction of PM10	0.991	for Jet Fuel	County of San Diego
Conversions	0.001	kg to metric ton	
	0.001	g to kg	

Emission Calculations

Criteria Pollutants

Mode	Fraction of time in mode	total operating minutes per day	Emission Factors (lb/hr)											
			ROG	NOx	CO	SOx	PM	PM10	PM2.5	CO	NOx	CO	SOx	PM10
Idle	0.1	24	9	0.2	4.2	0.14	0.1	0.1	3.6	0.08	1.69	0.056	0.04	0.0364
approach	0.9	216	0.2	5	2	0.88	0.8	0.72	18.08	0.88	7.2	2.448	2.88	2.8548
total	1	240	4	4.32	16.08	1.02	0.92	0.82	23.4	0.96	8.88	2.496	2.92	2.8912

Greenhouse Gases

Mode	Fraction of time in mode	Jet Fuel Usage (lb/hr)	Total Hours of Use in Mode (gallons)	Emission Factor (kg per gallon)					Emissions (metric tons per year)					
				CO2	CH4	N2O	CO2	CH4	N2O	CO2	CH4	N2O	CO2	CH4
Idle	0.1	142	10.0918713	9.75	0	0.00031	81.9289	0	0.0005198	0.0193	0	0.00022	0.00022	0.00022
approach	0.9	679	7.747268421	8.75	0	0.00031	180.864	0	0.221582	0.76684	0	0.00022	0.00022	0.00022
total	1.00		17.83913973	17.5	0	0.00062	192.7929	0	0.221602	0.78614	0	0.00044	0.00044	0.00044
			8	731.35			7130.614		0.026777	7.13614		0.000227		7.198
			480.00											
			120.03											
			8											
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			731.35											

Emission Source	GHG Emissions (metric Tons)			
	CO ₂	CH ₄	N ₂ O	
Construction				
2019				
Construction Emissions	3.8	0.0	0.0	
Global Warming Potential	1	25	298	
CO ₂ Equivalent	3.8	0.0	0.0	
TOTAL 2019 CO ₂ Equivalent	3.8			
2020				
Construction Emissions	1317.4	0.4	0.0	
Helicopter Emissions	7.1	0.0	0.0	
Global Warming Potential	1	25	298	
CO ₂ Equivalent	1324.5	10.0	0.1	
TOTAL 2020 CO ₂ Equivalent	1334.5			
Total Project Construction Emissions CO₂ Equivalent	1338.3			
Amortized Construction Emissions (amortized over 30 years)	44.6			
Operations				
Project Operational Emissions (SF6 Circuit Breakers) CO ₂ Equivalent	0.7			
Annual Project (Construction & Operational) Emissions CO₂ Equivalent	45.3			

Peak Daily Unmitigated Construction Emissions

Year	Maximum Daily Construction Emissions (pounds/day)						
	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	
2019							
Construction Emissions	3.2	30.1	18.9	0.0	48.0	6.1	
Total	3.2	30.1	18.9	0.0	48.0	6.1	
Threshold	75	250	550	250	100	55	
Threshold Exceeded?	No	No	No	No	No	No	
2020							
Construction Emissions	15.6	142.7	89.9	0.3	86.3	13.6	
Helicopter Emissions	4.3	18.1	8.9	2.5	2.9	2.9	
Total	20.0	160.8	98.7	2.8	89.2	16.5	
Threshold	75	250	550	250	100	55	
Threshold Exceeded?	No	No	No	No	No	No	

Source: CalEEMod 2016. See Appendix 4-3.