Demolition Assumptions for

TRR West: Transmission Li

Code	# of Structures Demolished	Demolition per day (sf)
No Demolition		

11

Construction Schedule for

TRR West: Transmission Lines for PGE Connection 11

Phase	Code	Start Date	End Date	Working Days	Days/Week
11 Transmission Lines for PGE Connection	TRR West: Transmission Lines for PGE Connection-11				
11.01 Funks to PGE Connection	TRR West: Transmission Lines for PGE Connection-1101	10/8/2026	6/8/2027	174	5
11.02 Funks to TRR	TRR West: Transmission Lines for PGE Connection-1102	6/8/2027	7/26/2028	296	5

Subpackage

01 02

Offroad Equipment (Fossil Fuel) Inventory for

TRR West: Transmission Lines for PG 11

Code	Equipment Name	General Equipment Category	#/day	Hours/day/ equipment	Fuel Type	Engine Horsepower (if known)	Fuel (gal/day) (if known)
TRR West: Transmission Lines for PGE Connection-1101	auger, truck-mounted, for caissons, water wells	Other Construction Equipment	0.20	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1101	backhoe-loader wheel type 112 HP, 1-1/2 CY capacity	Tractors/Loaders/Backhoes	0.20	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1101	crane truck mounted, hydraulic, 12 ton capacity	Cranes	0.20	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1101	backhoe-loader wheel type 112 HP, 1-1/2 CY capacity	Tractors/Loaders/Backhoes	0.17	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1101	forklift, for rough terrain, 42' lift, 35' reach, 9000 lb., 110 H.P.	forklifts	0.17	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1101	crane truck mount, cable 8x4 drive 90 ton, 15' radius	Cranes	0.17	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1101	crane truck mounted, hydraulic, 12 ton capacity	Cranes	0.17	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1101	dozer, crawler, torque converter, diesel 200 HP	Rubber Tired Dozers	0.17	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1101	trailer with cable reel for high voltage line work	Other Construction Equipment	0.17	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1101	trailer with cable tensioning rig, for high voltage line work	Other Construction Equipment	0.17	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1101	trailer with cable pulling rig, for high voltage line work	Other Construction Equipment	0.17	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1101	crane truck mount, cable 8x4 drive 40 ton, 12' radius	Cranes	0.17	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	auger, truck-mounted, for caissons, water wells	Other Construction Equipment	0.30	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	backhoe-loader wheel type 112 HP, 1-1/2 CY capacity	Tractors/Loaders/Backhoes	0.30	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	crane truck mounted, hydraulic, 12 ton capacity	Cranes	0.30	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	backhoe-loader wheel type 112 HP, 1-1/2 CY capacity	Tractors/Loaders/Backhoes	0.30	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	forklift, for rough terrain, 42' lift, 35' reach, 9000 lb., 110 H.P.	forklifts	0.30	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	crane truck mount, cable 8x4 drive 90 ton, 15' radius	Cranes	0.30	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	crane truck mounted, hydraulic, 12 ton capacity	Cranes	0.30	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	dozer, crawler, torque converter, diesel 200 HP	Rubber Tired Dozers	0.20	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	trailer with cable reel for high voltage line work	Other Construction Equipment	0.20	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	trailer with cable tensioning rig, for high voltage line work	Other Construction Equipment	0.20	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	trailer with cable pulling rig, for high voltage line work	Other Construction Equipment	0.20	8	Diesel		
TRR West: Transmission Lines for PGE Connection-1102	crane truck mount, cable 8x4 drive 40 ton, 12' radius	Cranes	0.20	8	Diesel		

Note:

1. Number of equipment/day = Total Equipment Hours / 8 hours per day / Total number of days of the Sub-package.

2. Number of equipment in this table represents averages throughout each sub-package. It does not represent a typical day or peak day conditions.

Jacobs Calculations for #/days

			Total number		total equipment	total number	Number of
			of hrs		days (Engineering	of working	equipment/day @
Package		Equipment	(Calculatd)	hours per day	data)	days/phase	listed hours per day
		auger, truck-mounted, for caissons, water wel	280	8	35	174	0.20
		backhoe-loader wheel type 112 HP, 1-1/2 CY c	280	8	35	174	0.20
		crane truck mounted, hydraulic, 12 ton capaci	280	8	35	174	0.20
	ba	ckhoe-loader wheel type 112 HP, 1-1/2 CY capacity	240	8	30	174	0.17
	forklift, fo	r rough terrain, 42' lift, 35' reach, 9000 lb., 110 H.P.	240	8	30	174	0.17
	C	rane truck mount, cable 8x4 drive 90 ton, 15' radius	240	8	30	174	0.17
		crane truck mounted, hydraulic, 12 ton capacity	240	8	30	174	0.17
		dozer, crawler, torque converter, diesel 200 HP	240	8	30	174	0.17
		trailer with cable reel for high voltage line work	240	8	30	174	0.17
	trailer	with cable tensioning rig, for high voltage line work	240	8	30	174	0.17
	tra	iler with cable pulling rig, for high voltage line work	240	8	30	174	0.17
	C	rane truck mount, cable 8x4 drive 40 ton, 12' radius	240	8	30	174	0.17
		auger, truck-mounted, for caissons, water wells	720	8	90	296	0.30
	ba	ckhoe-loader wheel type 112 HP, 1-1/2 CY capacity	720	8	90	296	0.30
		crane truck mounted, hydraulic, 12 ton capacity	720	8	90	296	0.30
	ba	ckhoe-loader wheel type 112 HP, 1-1/2 CY capacity	720	8	90	296	0.30
	forklift, fo	r rough terrain, 42' lift, 35' reach, 9000 lb., 110 H.P.	720	8	90	296	0.30
	C	rane truck mount, cable 8x4 drive 90 ton, 15' radius	720	8	90	296	0.30
		crane truck mounted, hydraulic, 12 ton capacity	720	8	90	296	0.30
		dozer, crawler, torque converter, diesel 200 HP	480	8	60	296	0.20
		trailer with cable reel for high voltage line work	480	8	60	296	0.20
	trailer	with cable tensioning rig, for high voltage line work	480	8	60	296	0.20
	tra	iler with cable pulling rig, for high voltage line work	480	8	60	296	0.20
	C	rane truck mount, cable 8x4 drive 40 ton, 12' radius	480	8	60	296	0.20

Jacobs Equipment Types

quipment		General Type	Fuel Typ
	Asphalt Paver, 130 H.P.	Pavers	Diesel
	Horz. Boring Csg. Mch.		Diesel
	Hyd. Excavator, 1.5 C.Y.		Diesel
	Hyd. Excavator, 2.5 C.Y.		Diesel
		Tractors/Loaders/Backhoes	Diesel
	Crawler Crane, 75 Ton Hydraulic Crane, 25 ton		Diesel Diesel
	Hydraulic Grane, 25 ton Hyd. Crane, 55 Ton		Diesel
	S.P. Crane, 4x4, 12 Ton		Diesel
	Grader, 30,000 Lbs.		Diesel
	Concrete Pump (Small)		Diesel
	Grout Pump, 50 C.F./hr.		Diesel
	Roller, Vibratory, 25 Ton		Diesel
	Tandem Roller, 10 Ton		Diesel
	Roller, Pneum. Whl., 12 Ton		Diesel
	Sheepsfoot Roller, 240 H.P.	Rollers	Diesel
	S.P. Scraper, 14 C.Y.		Diesel
	Dozer, 200 H.P.	Rubber Tired Dozers	Diesel
	Dozer, 300 H.P.	Rubber Tired Dozers	Diesel
		Tractors/Loaders/Backhoes	Diesel
	F.E. Loader, W.M., 5.5 C.Y.	Tractors/Loaders/Backhoes	Diesel
	Dump Truck, 12 C.Y., 400 H.P.		Diesel
	Water Tank Trailer, 5000 Gal.		Diesel
	Dump Trailer, 20 C.Y.		Diesel
	Truck Tractor, 220 H.P.		Diesel
	Truck Tractor, 6x4, 380 H.P.		Diesel
	Truck Tractor, 6x4, 450 H.P.	U	Diesel
		Other Construction Equipment	Gasolin
	Welder, Electric, 300 amp		Electric
	Welder, Gas Engine, 300 amp	Other Construction Equipment	Gasolin Diesel
		Other Construction Equipment	Diesel
	Lattice Boom Crane, 40 Ton		Diesel
	Tandem Roller, 5 Ton		Diesel
		Other Construction Equipment	Diesel
	Crawler Crane, 15 Ton		Diesel
		Pumps	Diesel
	50' Discharge Hose, 6"	Pumps	Diesel
	Centr. Water Pump, 6"		Diesel
		Other Construction Equipment	Diesel
	Crawler Crane, 25 Ton	Cranes	Diesel
	Crawler Loader, 3 C.Y.	Tractors/Loaders/Backhoes	Diesel
	Dist. Tanker, 3000 Gallon	Off-Highway Trucks	Diesel
	Dump Truck, 8 C.Y., 220 H.P.	Off-Highway Trucks	Diesel
	Dump Truck, Off Hwy., 65 Ton		Diesel
	Hyd. Crane, 12 Ton		Diesel
	Hyd. Excavator, .75 C.Y.		Diesel
	Lattice Boom Crane, 90 Ton		Diesel
	S.P. Crane, 4x4, 5 Ton		Diesel
	S.P. Scraper, 21 C.Y.	•	Diesel
	Vibratory Roller, Towed, 23 Ton		Diesel
	uger, truck-mounted, for caissons, water wells		Diesel
	e-loader wheel type 112 HP, 1-1/2 CY capacity		Diesel
	truck mount, cable 8x4 drive 40 ton, 12' radius truck mount, cable 8x4 drive 90 ton, 15' radius		Diesel
	rane truck mount, cable 8x4 drive 90 ton, 15 radius		Diesel Diesel
	ozer, crawler, torque converter, diesel 200 HP		Diesel
	gh terrain, 42' lift, 35' reach, 9000 lb., 110 H.P.		Diesel
	ith cable pulling rig, for high voltage line work		Diesel
	ailer with cable reel for high voltage line work		Diesel
u		Other Construction Equipment	Diesel

A.T. Forklift, 31' reach, 45' lift	Forklifts	Diesel
Earth Auger, Truck-Mtd.	Other Construction Equipment	Diesel
Flatbed Trailer, 25 Ton	Off-Highway Trucks	Diesel
Flatbed Truck, Gas, 1.5 Ton	Off-Highway Trucks	Diesel
Flatbed Truck, Gas, 3 Ton	Off-Highway Trucks	Diesel
Hyd. Crane, 100 Ton (Daily)	Cranes	Diesel
Hyd. Crane, 25 Ton (Daily)	Cranes	Diesel
Lowbed Trailer, 75 Ton	Off-Highway Trucks	Diesel
		C

Manual Fence Post Auger, Gas	Other Construction Equipment	Gasonne
Pickup Truck, 4x4, 3/4 Ton	Off-Highway Trucks	Diesel

Code	Equipment Name	#/day	kWh/day / equipment
Io Electric Equipment			
	1		

Vehicle Inventory for

Vehicle

TRR West: Transmission Lines for PGE Connection-1101	Equipment Hauling Trucks
TRR West: Transmission Lines for PGE Connection-1102	Equipment Hauling Trucks

Note:

1. Onsite water truck and dump truck numbers and miles per trip were set to 1.

2. The one-way trips/day were estimated by dividing the total number of trips by the number of days of the sub-package.

3. Number of trips per day in this table represents averages throughout each sub-package. It does not represent a typical day or peak day co

Primary Trip Purpose/Location (within construction footprint vs. offsite)	# of Vehicles	One-Way Trips/Day	Miles per Trip	Fuel Type	Fuel (gal/day) (if known)
Offsite/Haul	1	0.20	500	Diesel	
Offsite/Haul	1	0.33	500	Diesel	

nditions.

11

Jacobs Assumptions

	total hours	total number of		
	(Engineering	working	average	Miles/day (assume
Equipment	Data)	days/phase	hours/day	10 miles/hour)
	Amount	Assumption	Total One-way Trips	Total number of days
	Amount 17	Assumption Large equipment	Total One-way Trips 34.00	Total number of days 174

Employees Required to Construct

TRR West: Transmission Lines 11

Code	Vehicle Type	# of	One-Way	Miles per Trip
Code	venicie rype	Employees/Day	Trips/Day	whiles per trip
TRR West: Transmission Lines for PGE Connection-1101	Employee	11	22	60.0
TRR West: Transmission Lines for PGE Connection-1102	Employee	11	22	60.0

Note:

1. Worker trips assumed that the trips would be from Sacramento (68 miles), Willows (19 miles), Williams (9 miles), and Red Bluff (60 miles). One-way distance of 60 miles wa 2. Number of trips per day in this table represents averages throughout each sub-package. It does not represent a typical day or peak day conditions.

Jacobs Calculations

		Total labor hours	Hours per	Total days of	#employees/d	
	Subpackage	(Engineering Data)	employee/day	construction	ay	one-way Trips/day
01		14883	8	174	11	22
02		25231	8	296	11	22

Marine Inventory for *Please show activities involving marine equipment as separate line items in the schedule tab

Code	Dock Site	# of Vessels/Day	Propulsion Engine (hours/day)	Auxiliary Engine (hours/day)
No Marine vessels				

Propulsion Engine Horsepower	Auxiliary Engine Horsepower	Fuel Type	Fuel (gal/day) (if known)
		<u> </u>	<u> </u>

TRR West: Transmissi Daily		11		
Stripping or Grading (acres/day)	Borrow/Excavate (cy/day)	Dredge (cy/day)	Paving (sf/day)	Stripping or Grading (total acres)
	Stripping or Grading	Daily Stripping or Grading Borrow/Excavate	Daily Stripping or Grading Borrow/Excavate Dredge (cv/day)	Daily Stripping or Grading Borrow/Excavate Dredge (cv/day) Paving (sf/day)

Note:

Earthmoving related to transmission line are assumed to be negligible compared to other earthmoving activities of the project.

Total		
Borrow/Excavate (total cy)	Dredge (total cy)	Paving (total sf)

Jacobs Calculations

Total # days/subpackage	Total # days/earthmovi ng -paving