Demolition Assumptions for

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

Construction Schedule for

Transmission Lines for PG&E Connection 11

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

Subpackage

01 02

Offroad Equipment (Fossil Fuel) Inventory for

Transmission Lines for PG&E Connec 11

Code	Equipment Name	General Equipment Category	#/day	Hours/day/ equipment	Fuel Type	Engine Horsepower (if known)	Fuel (gal/day) (if known)
Transmission Lines for PG&E Connection-1101	auger, truck-mounted, for caissons, water wells	Other Construction Equipment	0.37	8	Diesel		
Transmission Lines for PG&E Connection-1101	backhoe-loader wheel type 112 HP, 1-1/2 CY capacity	Tractors/Loaders/Backhoes	0.75	8	Diesel		
Transmission Lines for PG&E Connection-1101	crane truck mount, cable 8x4 drive 40 ton, 12' radius	Cranes	0.25	8	Diesel		
Transmission Lines for PG&E Connection-1101	crane truck mount, cable 8x4 drive 90 ton, 15' radius	Cranes	0.37	8	Diesel		
Transmission Lines for PG&E Connection-1101	crane truck mounted, hydraulic, 12 ton capacity	Cranes	0.75	8	Diesel		
Transmission Lines for PG&E Connection-1101	dozer, crawler, torque converter, diesel 200 HP	Rubber Tired Dozers	0.25	8	Diesel		
Transmission Lines for PG&E Connection-1101	forklift, for rough terrain, 42' lift, 35' reach, 9000 lb., 110 H.P.	forklifts	0.37	8	Diesel		
Transmission Lines for PG&E Connection-1102	auger, truck-mounted, for caissons, water wells	Other Construction Equipment	0.51	8	Diesel		
Transmission Lines for PG&E Connection-1102	backhoe-loader wheel type 112 HP, 1-1/2 CY capacity	Tractors/Loaders/Backhoes	1.03	8	Diesel		
Transmission Lines for PG&E Connection-1102	crane truck mount, cable 8x4 drive 40 ton, 12' radius	Cranes	0.29	8	Diesel		
Transmission Lines for PG&E Connection-1102	crane truck mount, cable 8x4 drive 90 ton, 15' radius	Cranes	0.51	8	Diesel		
Transmission Lines for PG&E Connection-1102	crane truck mounted, hydraulic, 12 ton capacity	Cranes	1.03	8	Diesel		
Transmission Lines for PG&E Connection-1102	dozer, crawler, torque converter, diesel 200 HP	Rubber Tired Dozers	0.29	8	Diesel		
Transmission Lines for PG&E Connection-1102	forklift, for rough terrain, 42' lift, 35' reach, 9000 lb., 110 H.P.	forklifts	0.51	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				
			of hrs		total equipment	total number	Number of
			(Engineering		days (Engineering	of working	equipment/day @
Package		Equipment	Data)	hours per day	data)	days/phase	listed hours per day
	auger, tr	uck-mounted, for caissons, water wells	NA	8	65	174	0.37
back	hoe-loade	r wheel type 112 HP, 1-1/2 CY capacity	NA	8	130	174	0.75
crar	ne truck m	ount, cable 8x4 drive 40 ton, 12' radius	NA	8	43	174	0.25
crar	ne truck m	ount, cable 8x4 drive 90 ton, 15' radius	NA	8	65	174	0.37
	crane tru	ck mounted, hydraulic, 12 ton capacity	NA	8	130	174	0.75
	dozer, cr	awler, torque converter, diesel 200 HP	NA	8	43	174	0.25
o <mark>rklift, for r</mark>	ough terra	in, 42' lift, 35' reach, 9000 lb., 110 H.P.	NA	8	65	174	0.37
	auger, tr	uck-mounted, for caissons, water wells	NA	8	152	296	0.51
back	hoe-loade	r wheel type 112 HP, 1-1/2 CY capacity	NA	8	304	296	1.03
crar	ne truck m	ount, cable 8x4 drive 40 ton, 12' radius	NA	8	87	296	0.29
crar	ne truck m	ount, cable 8x4 drive 90 ton, 15' radius	NA	8	152	296	0.51
crane truck mounted, hydraulic, 12 ton capacity		NA	8	304	296	1.03	
	dozer, cr	awler, torque converter, diesel 200 HP	NA	8	87	296	0.29
orklift, for r	ough terra	in, 42' lift, 35' reach, 9000 lb., 110 H.P.	NA	8	152	296	0.51

Jacobs Equipment Types

Equipment	General Type	Fuel Type
Asphalt Paver, 130 H.		Diesel
Horz. Boring Csg. Mc		Diesel
Hyd. Excavator, 1.5 C.		Diesel
Hyd. Excavator, 2.5 C.		Diesel
	P. Tractors/Loaders/Backhoes	Diesel Diesel
Crawler Crane, 75 To		Diesel
Hydraulic Crane, 25 to Hyd. Crane, 55 To		Diesel
S.P. Crane, 4x4, 12 To		Diesel
Grader, 30,000 Lb		Diesel
Concrete Pump (Sma		Diesel
Grout Pump, 50 C.F./h		Diesel
Roller, Vibratory, 25 To		Diesel
Tandem Roller, 10 To		Diesel
Roller, Pneum. Whl., 12 To		Diesel
Sheepsfoot Roller, 240 H.		Diesel
S.P. Scraper, 14 C.		Diesel
	P. Rubber Tired Dozers	Diesel
	P. Rubber Tired Dozers	Diesel
F.E. Loader, Crl, 1.5 C.	7. Tractors/Loaders/Backhoes	Diesel
F.E. Loader, W.M., 5.5 C.	1. Tractors/Loaders/Backhoes	Diesel
Dump Truck, 12 C.Y., 400 H.	P. Off-Highway Trucks	Diesel
Water Tank Trailer, 5000 Ga	I. Off-Highway Trucks	Diesel
Dump Trailer, 20 C.	7. Off-Highway Trucks	Diesel
	P. Off-Highway Tractors	Diesel
Truck Tractor, 6x4, 380 H.		Diesel
Truck Tractor, 6x4, 450 H.		Diesel
	or Other Construction Equipment	Gasoline
Welder, Electric, 300 an		Electric
Welder, Gas Engine, 300 an		Gasoline
	" Other Construction Equipment	Diesel
	d Other Construction Equipment	Diesel
Lattice Boom Crane, 40 To Tandem Roller, 5 To		Diesel Diesel
	7. Other Construction Equipment	Diesel
Crawler Crane, 15 To		Diesel
20' Suction Hose,		Diesel
50' Discharge Hose,		Diesel
Centr. Water Pump,		Diesel
	7. Other Construction Equipment	Diesel
Crawler Crane, 25 To		Diesel
	7. Tractors/Loaders/Backhoes	Diesel
Dist. Tanker, 3000 Gallo	n Off-Highway Trucks	Diesel
D. S. T. L. D. D.Y. 200 H	P. Off-Highway Trucks	Diesel
Dump Truck, 8 C.Y., 220 H.	n Off-Highway Trucks	Diesel
Dump Truck, 8 C.Y., 220 H. Dump Truck, Off Hwy., 65 To		Diesel
	n Cranes	
Dump Truck, Off Hwy., 65 To		Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To	/. Excavatorsn Cranes	Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To S.P. Crane, 4x4, 5 To	/. Excavatorsn Cranesn Cranes	Diesel Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To S.P. Crane, 4x4, 5 To S.P. Scraper, 21 C.	 /. Excavators n Cranes n Cranes /. Scapters 	Diesel Diesel Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To S.P. Crane, 4x4, 5 To S.P. Scraper, 21 C. Vibratory Roller, Towed, 23 To	 /. Excavators n Cranes n Cranes /. Scapters n Rollers 	Diesel Diesel Diesel Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To S.P. Crane, 4x4, 5 To S.P. Scraper, 21 C. Vibratory Roller, Towed, 23 To auger, truck-mounted, for caissons, water we	 /. Excavators n Cranes n Cranes /. Scapters n Rollers ls Other Construction Equipment 	Diesel Diesel Diesel Diesel Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To S.P. Crane, 4x4, 5 To S.P. Scraper, 21 C. Vibratory Roller, Towed, 23 To auger, truck-mounted, for caissons, water we backhoe-loader wheel type 112 HP, 1-1/2 CY capaci	 ⁷. Excavators n Cranes n Cranes ⁷. Scapters n Rollers s Other Construction Equipment y Tractors/Loaders/Backhoes 	Diesel Diesel Diesel Diesel Diesel Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To S.P. Crane, 4x4, 5 To S.P. Scraper, 21 C. Vibratory Roller, Towed, 23 To auger, truck-mounted, for caissons, water we backhoe-loader wheel type 112 HP, 1-1/2 CY capaci crane truck mount, cable 8x4 drive 40 ton, 12' radi	 /. Excavators n Cranes n Cranes /. Scapters n Rollers ls Other Construction Equipment y Tractors/Loaders/Backhoes s Cranes 	Diesel Diesel Diesel Diesel Diesel Diesel Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To S.P. Crane, 4x4, 5 To S.P. Scraper, 21 C. Vibratory Roller, Towed, 23 To auger, truck-mounted, for caissons, water we backhoe-loader wheel type 112 HP, 1-1/2 CY capaci crane truck mount, cable 8x4 drive 40 ton, 12' radi crane truck mount, cable 8x4 drive 90 ton, 15' radi	 ⁷. Excavators n Cranes n Cranes n Cranes 7. Scapters n Rollers s Other Construction Equipment y Tractors/Loaders/Backhoes s Cranes s Cranes 	Diesel Diesel Diesel Diesel Diesel Diesel Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To S.P. Crane, 4x4, 5 To S.P. Scraper, 21 C. Vibratory Roller, Towed, 23 To auger, truck-mounted, for caissons, water we backhoe-loader wheel type 112 HP, 1-1/2 CY capaci crane truck mount, cable 8x4 drive 40 ton, 12' radi crane truck mount, cable 8x4 drive 90 ton, 15' radi crane truck mounted, hydraulic, 12 ton capaci	 ⁷. Excavators ⁷. Cranes ⁷. Cranes ⁷. Scapters ⁷. Rollers ⁸ Other Construction Equipment ⁹ Tractors/Loaders/Backhoes ¹⁰ S Cranes ¹⁰ S Cranes ¹⁰ Y Cranes 	Diesel Diesel Diesel Diesel Diesel Diesel Diesel Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To S.P. Crane, 4x4, 5 To S.P. Scraper, 21 C. Vibratory Roller, Towed, 23 To auger, truck-mounted, for caissons, water we backhoe-loader wheel type 112 HP, 1-1/2 CY capaci crane truck mount, cable 8x4 drive 40 ton, 12' radi crane truck mount, cable 8x4 drive 90 ton, 15' radi crane truck mounted, hydraulic, 12 ton capaci dozer, crawler, torque converter, diesel 200 H	 f. Excavators n Cranes n Cranes n Cranes 7. Scapters n Rollers other Construction Equipment y Tractors/Loaders/Backhoes is Cranes s Cranes y Cranes P Rubber Tired Dozers 	Diesel Diesel Diesel Diesel Diesel Diesel Diesel Diesel Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To S.P. Crane, 4x4, 5 To S.P. Scraper, 21 C. Vibratory Roller, Towed, 23 To auger, truck-mounted, for caissons, water we backhoe-loader wheel type 112 HP, 1-1/2 CY capaci crane truck mount, cable 8x4 drive 40 ton, 12' radi crane truck mount, cable 8x4 drive 90 ton, 15' radi crane truck mount, cable 8x4 drive 90 ton, 15' radi crane truck mount, cable 8x4 drive 90 ton, 15' radi dozer, crawler, torque converter, diesel 200 H klift, for rough terrain, 42' lift, 35' reach, 9000 lb., 110 H.	 ⁷. Excavators n Cranes n Cranes n Cranes 7. Scapters n Rollers s Other Construction Equipment y Tractors/Loaders/Backhoes s Cranes s Cranes y Cranes P Rubber Tired Dozers p. forklifts 	Diesel Diesel Diesel Diesel Diesel Diesel Diesel Diesel Diesel Diesel
Dump Truck, Off Hwy., 65 To Hyd. Crane, 12 To Hyd. Excavator, .75 C. Lattice Boom Crane, 90 To S.P. Crane, 4x4, 5 To S.P. Scraper, 21 C. Vibratory Roller, Towed, 23 To auger, truck-mounted, for caissons, water we backhoe-loader wheel type 112 HP, 1-1/2 CY capaci crane truck mount, cable 8x4 drive 40 ton, 12' radi crane truck mount, cable 8x4 drive 90 ton, 15' radi crane truck mounted, hydraulic, 12 ton capaci	 A. Excavators A. Cranes A. Cranes A. Scapters A. Rollers B. Other Construction Equipment Y. Tractors/Loaders/Backhoes S. Cranes S. Cranes Y. Cranes P. Rubber Tired Dozers P. forklifts K. Off-Highway trucks 	Diesel Diesel Diesel Diesel Diesel Diesel Diesel Diesel 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
Manual Fence Post Auger, Gas	Other Construction Equipment	Gasoline
Pickup Truck, 4x4, 3/4 Ton	Off-Highway Trucks	Diesel

Offroad Equipment (Electric) Inventory for

Transmission Lines for PG&E 11

Code	Equipment Name	#/day	kWh/day / equipment
No Electric Equipment			
		1	
		1	
		1	
		1	
		1	
		1	

Vehicle Inventory for Transmission Lines for PG&E Connection		11					
Code	Vehicle	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)
Transmission Lines for PG&E Connection-1101	trailer with cable pulling rig, for high voltage line work	Onsite	1	19.8	1	Diesel	
Transmission Lines for PG&E Connection-1101	trailer with cable reel for high voltage line work	Onsite	1	19.8	1	Diesel	
Transmission Lines for PG&E Connection-1101	trailer with cable tensioning rig, for high voltage line work	Onsite	1	19.8	1	Diesel	
Transmission Lines for PG&E Connection-1102	trailer with cable pulling rig, for high voltage line work	Onsite	1	23.5	1	Diesel	
Transmission Lines for PG&E Connection-1102	trailer with cable reel for high voltage line work	Onsite	1	23.5	1	Diesel	
Transmission Lines for PG&E Connection-1102	trailer with cable tensioning rig, for high voltage line work	Onsite	1	23.5	1	Diesel	
Transmission Lines for PG&E Connection-1101	Equipment Hauling Trucks	Offsite/Haul	1	0.20	500	Diesel	
Transmission Lines for PG&E Connection-1102	Equipment Hauling Trucks	Offsite/Haul	1	0.33	500	Diesel	

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 conditions.

total hours	total number of		Miles/day
(Engineering	working	average	(assume 10
Data)	days/phase	hours/day	miles/hour)
344	174	2.0	19.
344	174	2.0	19.
344	174	2.0	19.
696	296	2.4	23.
696	296	2.4	23.
696	296	2.4	23.
Amount	Assumption	Total One-way Trips	Total number of day
17	Large equipment	34	174
	(Engineering Data) 344 344 344 696 696 696 696 696	(Engineering Data)working days/phase344174344174344174696296696296696296696296AmountAssumption	(Engineering Data)working days/phaseaverage hours/day3441742.03441742.03441742.03441742.06962962.46962962.46962962.46962962.4AmountAssumptionTotal One-way Trips

Large equipment

Employees Required to Construct

Transmission Lines for PG&E C11

Code	Vehicle Type	# of Employees/Day	One-Way Trips/Day	Miles per Trip
Transmission Lines for PG&E Connection-1101	Employee	18	36	60.0
Transmission Lines for PG&E Connection-1102	Employee	23	46	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 I

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		23724	8	174	18	36
02		54037	8	296	23	46

miles was used.

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>

Earthmoving/Paving Assumptions for	Transmission Lines fo 11 Daily				
Code	Stripping or Grading (acres/day)	Borrow/Excavate (cy/day)	Dredge (cy/day)	Paving (sf/day)	Stripping or Grading (total acres)
Negligible earthmoving activities					

Note:

1. 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