

Demolition Assumptions for

Transmission Lines for WA 10

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

Construction Schedule for

Transmission Lines for WAPA Connection

10

Subpackage

| Phase | Code | Start Date | End Date | Working Days | Days/Week |
|---|---|------------|-----------|--------------|-----------|
| 10 Transmission Lines for WAPA Connection | Transmission Lines for WAPA Connection-10 | | | | |
| 10.01 Funks to WAPA Connection | Transmission Lines for WAPA Connection-1001 | 10/8/2026 | 6/8/2027 | 174 | 5 |
| 10.02 Funks to TRR | Transmission Lines for WAPA Connection-1002 | 6/8/2027 | 7/26/2028 | 296 | 5 |
| | | | | | |
| | | | | | |

01

02

Offroad Equipment (Fossil Fuel) Inventory for

Transmission Lines for WAPA Conner 10

| Code | Equipment Name | General Equipment Category | #/day | Hours/day/ equipment | Fuel Type | Engine Horsepower (if known) | Fuel (gal/day) (if known) |
|---|--|------------------------------|-------|----------------------|-----------|------------------------------|---------------------------|
| Transmission Lines for WAPA Connection-1001 | auger, truck-mounted, for caissons, water wells | Other Construction Equipment | 0.13 | 8 | Diesel | | |
| Transmission Lines for WAPA Connection-1001 | backhoe-loader wheel type 112 HP, 1-1/2 CY capacity | Tractors/Loaders/Backhoes | 0.13 | 8 | Diesel | | |
| Transmission Lines for WAPA Connection-1001 | crane truck mount, cable 8x4 drive 40 ton, 12' radius | Cranes | 0.13 | 8 | Diesel | | |
| Transmission Lines for WAPA Connection-1002 | backhoe-loader wheel type 112 HP, 1-1/2 CY capacity | Tractors/Loaders/Backhoes | 0.51 | 8 | Diesel | | |
| Transmission Lines for WAPA Connection-1002 | crane truck mount, cable 8x4 drive 40 ton, 12' radius | Cranes | 0.59 | 8 | Diesel | | |
| Transmission Lines for WAPA Connection-1002 | crane truck mount, cable 8x4 drive 90 ton, 15' radius | Cranes | 0.51 | 8 | Diesel | | |
| Transmission Lines for WAPA Connection-1002 | crane truck mounted, hydraulic, 12 ton capacity | Cranes | 1.03 | 8 | Diesel | | |
| Transmission Lines for WAPA Connection-1002 | dozer, crawler, torque converter, diesel 200 HP | Rubber Tired Dozers | 0.51 | 8 | Diesel | | |
| Transmission Lines for WAPA Connection-1002 | forklift, for rough terrain, 42' lift, 35' reach, 9000 lb., 110 H.P. | forklifts | 0.51 | 8 | Diesel | | |
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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.

| | | |
|------------------------------------|------------------------------|----------|
| 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 |

Vehicle Inventory for

Transmission Lines for WAPA Connection

10

| 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 WAPA Connection-1001 | trailer with cable pulling rig, for high voltage line work | Onsite | 1 | 10.1 | 1 | Diesel | |
| Transmission Lines for WAPA Connection-1001 | trailer with cable reel for high voltage line work | Onsite | 1 | 19.8 | 1 | Diesel | |
| Transmission Lines for WAPA Connection-1001 | trailer with cable tensioning rig, for high voltage line work | Onsite | 1 | 10.1 | 1 | Diesel | |
| Transmission Lines for WAPA Connection-1002 | trailer with cable pulling rig, for high voltage line work | Onsite | 1 | 47.0 | 1 | Diesel | |
| Transmission Lines for WAPA Connection-1002 | trailer with cable reel for high voltage line work | Onsite | 1 | 41.1 | 1 | Diesel | |
| Transmission Lines for WAPA Connection-1002 | trailer with cable tensioning rig, for high voltage line work | Onsite | 1 | 23.5 | 1 | Diesel | |
| | | | | | | | |
| Transmission Lines for WAPA Connection-1001 | Equipment Hauling Trucks | Offsite/Haul | 1 | 0.20 | 500 | Diesel | |
| Transmission Lines for WAPA Connection-1002 | 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.

Jacobs Assumptions

| Equipment | total hours (Engineering Data) | total number of working days/phase | average hours/day | Miles/day (assume 10 miles/hour) |
|-----------|--------------------------------------|--|----------------------|-------------------------------------|
| | | | | |
| | 176 | 174 | 1.0 | 10.1 |
| | 344.00 | 174 | 2.0 | 19.8 |
| | 176.00 | 174 | 1.0 | 10.1 |
| | 1,392.00 | 296 | 4.7 | 47.0 |
| | 1,216.00 | 296 | 4.1 | 41.1 |
| | 696.00 | 296 | 2.4 | 23.5 |
| | Amount | Assumption | Total One-way Trips | Total number of days |
| | 17 | Large equipment | 34.00 | 174 |
| | 49 | Large equipment | 98.00 | 296 |

Employees Required to Construct**Transmission Lines for WAPA 10**

| Code | Vehicle Type | # of Employees/Day | One-Way Trips/Day | Miles per Trip |
|---|---------------------|-------------------------------|--------------------------|-----------------------|
| Transmission Lines for WAPA Connection-1001 | Employee | 13 | 26 | 60.0 |
| Transmission Lines for WAPA Connection-1002 | Employee | 24 | 48 | 60.0 |
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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.
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

| Subpackage | Total labor hours (Engineering Data) | Hours per employee/day | Total days of construction | #employees/d ay | one-way Trips/day |
|------------|---|---------------------------|-------------------------------|--------------------|-------------------|
| 01 | 17592 | 8 | 174 | 13 | 26 |
| 02 | 55483 | 8 | 296 | 24 | 48 |
| | | | | | |
| | | | | | |

miles was used.

Earthmoving/Paving Assumptions for

Transmission Lines fo 10

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 | | | | | |
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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) |
|---------------------------------------|--------------------------|--------------------------|
| | | |
| | | |
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| | | |

Jacobs Calculations

| Total # days/subpackage | Total # days/earthmoving -paving |
|------------------------------------|---|
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