

B.6 Construction Equipment Utilization and Workforce

To support environmental impact assessments, a preliminary estimate was prepared for construction equipment utilization and construction workforce. This appendix summarizes equipment and staffing for each of the major project features; it also provides this information in tabular format in Table B.6-1 through Table B.6-11.

Equipment numbers and utilization hours are based on the earthwork and material quantities developed for the project features to support cost estimating. Conservative hourly equipment production rates were used to estimate the number of pieces of construction equipment and the number of operating hours required to complete major tasks within schedule limits. Support equipment was also included in the evaluation. For example, this evaluation would include excavators and loaders to fill haul vehicles and water trucks, bulldozers, and compactors to spread and compact fills. Estimates were also included for the support equipment (e.g., cranes and hoists) needed for pipelines, buildings, and other facilities.

Haul equipment was also included for each facility where appropriate for an item such as filter and drain material, concrete aggregates, aggregate base and other material. The equipment numbers are based on the need to import such materials from an off-site quarry approximately 30 to 35 miles from the project.

A reasonable estimate was also included to haul major equipment components to the facilities, including pumps, motors, generators, mechanical equipment, and embedded items, and other items. Haul equipment for construction material (e.g., reinforcing steel, structural steel, ready-mix concrete, and on-site fabricated pipe) was also estimated.

Typically, equipment numbers and hours were based on 10-hour, single-shift work, 6 days per week. The only exception to this scheduling would be the tunneling work at Sites Dam; that effort was assumed to be double-shift work (22 hours per day, 6 days per week).

Staff numbers shown for each facility include equipment operators and other construction personnel needed to complete construction. Staff estimates do not include owner or engineer staff that would be supervising construction.

The equipment utilization and staff estimated represent construction of Alternative C, which would require the most equipment and staff.

Table B.6-1. Tunnel – Inlet and Outlet, Including Sites Pumping/Generating Plant

| Equipment | Tunnel | | | Lake Outlet | | | Inlet area | | | Total |
|----------------------------|--------|------|------------|-------------|------|------------|------------|------|------------|------------|
| | Count | Days | Equip Days | Count | Days | Equip Days | Count | Days | Equip Days | Equip Days |
| Bulldozer | | | - | 5 | 86 | 430 | 5 | 266 | 1,330 | 1,760 |
| Compactor | | | - | | | - | | | - | |
| Concrete Pump | 1 | 194 | 194 | 1 | 29 | 29 | 1 | 83 | 83 | 306 |
| Concrete Trucks | 3 | 194 | 582 | 4 | 29 | 116 | 4 | 83 | 332 | 1,030 |
| Crane | | | - | 1 | 200 | 200 | 1 | 150 | 150 | 350 |
| Dump Truck Tunnel | 3 | 200 | 600 | | | - | | | - | 600 |
| Excavator | | | - | | | - | | | - | - |
| Fork Lift | 1 | 248 | 248 | 1 | 72 | 72 | 1 | 190 | 190 | 510 |
| Fuel Truck | 1 | 200 | 200 | 1 | 86 | 86 | 1 | 266 | 266 | 552 |
| Generator | 1 | 200 | 200 | | | - | | | - | 200 |
| Grader | | | - | 1 | 40 | 40 | 2 | 266 | 532 | 572 |
| Highway Trucks | 5 | 54 | 270 | 3 | 34 | 102 | 10 | 80 | 800 | 1,172 |
| Loader – Tunnel | 2 | 200 | 400 | | | - | | | - | 400 |
| Material Trucks - Concrete | 8 | 194 | 1,552 | 8 | 38 | 304 | 8 | 110 | 880 | 2,736 |
| Off-Road Truck | | | | | | | | | | |
| Roller | | | | | | | | | | |
| Scissor Lift | 1 | 100 | 100 | | | - | | | - | 100 |
| Scraper | - | - | - | 5 | 86 | 430 | 10 | 266 | 2,660 | 3,090 |
| Tunnel Boring Machine | 1 | 200 | 200 | | | - | | | - | 200 |
| Water Trucks | | | - | 1 | 86 | 86 | 1 | 266 | 266 | 352 |
| Welding Truck | 1 | 194 | 194 | 1 | 50 | 50 | 1 | 50 | 50 | 294 |
| | | | - | | | - | | | - | - |
| Staff | 42 | | - | 46 | | - | 59 | | - | - |

All equipment other than tunnels assumed 10 hr. day. Tunnels assumed 22 hours/day.

Table B.6-2. Pipelines – Delevan and TRR

| Equipment | Excavation | | | Backfill | | | Pipe & Manhole Installation | | | Total |
|--------------------------|------------|------|------------|----------|------|------------|-----------------------------|-------|------------|------------|
| | Count | Days | Equip Days | Count | Days | Equip Days | Count | Days | Equip Days | Equip Days |
| Backfill Loader | | | | 2 | 467 | 934 | | | - | 934 |
| Bulldozer | 4 | 538 | 2,152 | 2 | 467 | 934 | | | - | 3,086 |
| Compactor | - | | - | 2 | 467 | 934 | | | - | 934 |
| Conc. Material Trucks | | | | | | | 8 | 28 | 224 | 224 |
| Concrete Trucks | | | - | - | - | - | 1 | 83 | 83 | 83 |
| Crane Fabrication | | | | | | | 1 | 1,000 | 1,000 | 1,000 |
| Crane Installation | | | | | | | 1 | 500 | 500 | 500 |
| Dump Truck 20% Exc. | 10 | 400 | 4,000 | - | | - | | | - | 4,000 |
| Dump Truck Comp. BF | - | | | 10 | 467 | 4,670 | | | - | 4,670 |
| Excavation Loader | 1 | 400 | 400 | - | | - | | | - | 400 |
| Excavator | 1 | 400 | 400 | - | | - | | | - | 400 |
| Fork Lift - Installation | | | | | | | 1 | 500 | 500 | 500 |
| Fork Lift – Yard | | | | | | | 1 | 1,000 | 1,000 | 1,000 |
| Fuel Truck | 1 | 500 | 500 | 1 | 467 | 467 | | | - | 967 |
| Generator | 1 | 500 | 500 | 1 | 83 | 83 | | | - | 583 |
| Grader | | | - | 1 | 467 | 467 | | | - | 467 |
| Highway Trucks | 10 | 20 | 200 | | | - | 10 | 499 | 4,990 | 5,190 |
| Jacking Equipment | - | - | - | - | - | - | 1 | 600 | 600 | 600 |
| Pipe Fabrication Equip. | | | | | | | 1 | 1,000 | 1,000 | 1,000 |
| Pipe Transport Truck | | | | | | | 2 | 550 | 1,100 | 1,100 |
| Scraper 80% Exc. | 22 | 485 | 10,670 | - | | - | | | - | 10,670 |
| Scraper Common Bf | - | | | 8 | 383 | 3,064 | | | - | 3,064 |
| Water Trucks | 1 | 500 | 500 | 1 | 467 | 467 | | | - | 967 |
| | | | | | | | | | | |
| Staff | 61 | | | 43 | | | 37 | | | |

Table B.6-3. Dams and Sites Reservoir Inundation

| Equipment | Excavation & Fill | | | Drilling & Grouting | | | Concrete | | | Total |
|------------------------|-------------------|-------|------------|---------------------|------|------------|----------|------|------------|------------|
| | Count | Days | Equip Days | Count | Days | Equip Days | Count | Days | Equip Days | Equip Days |
| Bulldozer | 10 | 1,774 | 17,740 | | | | | | | 17,740 |
| Compactor | 10 | 1,535 | 15,350 | | | | | | | 15,350 |
| Conc. Material Trucks | | | | | | | 8 | 215 | 1,720 | 1,720 |
| Concrete Pump | | | - | | | | 1 | 81 | | - |
| Concrete Trucks | | | | | | | 8 | 81 | 648 | 648 |
| Crane | | | - | | | | | | | - |
| Drilling Machine | | | | 4 | 488 | 1,952 | | | | 1,952 |
| Dump Truck | 10 | 83 | 830 | | | | | | | 830 |
| Filter Material Loader | 3 | 1,160 | 3,480 | | | | | | | 3,480 |
| Excavator | | | - | | | | | | | - |
| Fork Lift – Yard | | | - | 1 | 89 | 89 | | | | 89 |
| Fuel Truck | 2 | 1,774 | 3,548 | | | | | | | 3,548 |
| Generator | | | - | | | | 1 | 81 | 81 | 81 |
| Grader | 5 | 1,535 | 7,675 | | | | | | | 7,675 |
| Grout Pump | | | | 4 | 488 | 1,952 | | | | 1,952 |
| Highway Trucks | 120 | 375 | 45,000 | 2 | 164 | 328 | | | | 45,328 |
| Off-Road Trucks | 24 | 1,160 | 27,840 | | | | | | | 27,840 |
| Scraper - Excavation | 20 | 340 | 6,800 | | | | | | | 6,800 |
| Waste/Tree Loader | 1 | 83 | 83 | | | | | | | 83 |
| Water Trucks | 4 | 1,774 | 7,096 | | | | | | | 7,096 |
| | | | - | | | | | | | - |
| Staff | 219 | | - | 12 | | | 10 | | | - |

Table B.6-4. Gravel Roads

| Equipment | Tunnel | | | Lake Outlet | | | Inlet area | | | Total |
|----------------------|--------|------|------------|-------------|------|------------|------------|------|------------|------------|
| | Count | Days | Equip Days | Count | Days | Equip Days | Count | Days | Equip Days | Equip Days |
| Bulldozer | 3 | 64 | 192 | 3 | 29 | 87 | | | - | 279 |
| Compactor | 3 | 23 | 69 | 3 | 29 | 87 | | | - | 156 |
| Concrete Trucks | | | - | | | - | | | - | - |
| Crane | | | - | | | - | | | - | - |
| Drilling Machine | | | - | | | - | | | - | - |
| Dump Truck | | | - | 3 | 36 | 108 | 3 | 5 | 15 | 123 |
| Excavator | | | - | | | - | | | - | - |
| Fork Lift - Yard | | | - | | | - | | | - | - |
| Fuel Truck | 1 | 64 | 64 | 1 | 29 | 29 | | | | 93 |
| Generator | | | - | | | - | | | - | - |
| Grader | 2 | 23 | 46 | 2 | 29 | 58 | | | | 104 |
| Grout Pump | | | - | | | - | | | - | - |
| Highway Trucks | | | - | | | - | | | - | - |
| Loader | | | - | 1 | 36 | 36 | 1 | 5 | 5 | 41 |
| Off-Road Trucks | | | - | | | - | | | - | - |
| Paving Machine | | | - | | | - | 1 | 5 | 5 | 5 |
| Roller | | | - | | | - | 2 | 5 | 10 | 10 |
| Scraper - Excavation | 3 | 49 | 147 | | | - | | | - | 147 |
| Water Trucks | 2 | 64 | 128 | 2 | 29 | 58 | 1 | 5 | 5 | 191 |
| | | | - | | | - | 18 | | - | - |
| Staff Max | 24 | | - | 25 | | - | | | - | - |

Table B.6-5. TRR Pumping/Generating Plant

| Equipment | Excavation & Backfill | | | Concrete & Rock | | | Other Activities | | | Total |
|---------------------------|-----------------------|------|------------|-----------------|------|------------|------------------|------|------------|------------|
| | Count | Days | Equip Days | Count | Days | Equip Days | Count | Days | Equip Days | Equip Days |
| Batch Plant Equipment | | | - | 1 | 104 | 104 | | | - | 104 |
| Bulldozer | 5 | 233 | 1,165 | | | - | | | - | 1,165 |
| Compactor | 2 | 100 | 200 | | | - | | | - | 200 |
| Concrete Pump | | | - | 1 | 104 | 104 | | | - | 104 |
| Concrete Trucks | | | - | 4 | 104 | 416 | | | - | 416 |
| Crane | - | | - | - | | - | 1 | 200 | 200 | 200 |
| Drilling Machine | | | - | | | - | | | - | - |
| Dump Truck | 10 | 125 | 1,250 | | | - | | | - | 1,250 |
| Excavator | | | - | | | - | | | - | - |
| Fork Lift | | | - | | | - | 1 | 400 | 400 | 400 |
| Fuel Truck | 1 | 233 | 233 | | | - | 1 | 100 | 100 | 333 |
| Generator | | | - | 1 | 104 | 104 | | | - | 104 |
| Grader | 2 | 100 | 200 | | | - | | | - | 200 |
| Highway Trucks | | | - | 8 | 147 | 1,176 | 8 | 73 | 584 | 1,760 |
| Loader | 1 | 125 | 125 | | | - | | | - | 125 |
| Off-Road Trucks | | | - | | | - | | | - | - |
| Paving Machine | | | - | | | - | | | - | - |
| Roller | | | - | | | - | | | - | - |
| Scraper – Excavation & Bf | 5 | 233 | 1,165 | | | - | | | - | 1,165 |
| Water Trucks | 2 | 233 | 466 | | | - | | | - | 466 |
| Staff Max | 38 | | - | 25 | | - | 101 | | - | - |

Peak staff for other activities is set at 80 for building construction. Duration for buildings should be about two years.

Table B.6-6. TRR Reservoir and Connections

| Equipment | Clear & Excavation | | | Backfill | | | AC Lining & Structures | | | Total |
|----------------------|--------------------|------|------------|----------|------|------------|------------------------|------|------------|------------|
| | Count | Days | Equip Days | Count | Days | Equip Days | Count | Days | Equip Days | Equip Days |
| Backfill Loader | | | - | | | - | | | - | - |
| Bulldozer | 4 | 180 | 720 | 4 | 33 | 132 | | | - | 852 |
| Compactor | | | - | 2 | 33 | 66 | | | - | 66 |
| Concrete Trucks | | | - | | | - | | | - | - |
| Crane | | | - | | | - | | | - | - |
| Drilling Machine | | | - | | | - | | | - | - |
| Dump Truck | | | - | | | - | | | - | - |
| Excavation Loader | 1 | 152 | 152 | | | - | | | - | 152 |
| Excavator | | | - | | | - | | | - | - |
| Fork Lift – Yard | | | - | | | - | 1 | 140 | 140 | 140 |
| Fuel Truck | 1 | 152 | 152 | 1 | 33 | 33 | | | - | 185 |
| Generator | | | - | | | - | | | - | - |
| Grader | | | - | 1 | 33 | 33 | | | - | 33 |
| Grout Pump | | | - | | | - | | | - | - |
| Highway Trucks | | | - | | | - | 5 | 140 | 700 | 700 |
| Off-Road Trucks | 10 | 152 | 1,520 | | | - | | | - | 1,520 |
| Paving Machine | | | - | | | - | 1 | 20 | 20 | 20 |
| Scraper - Excavation | 4 | 130 | 520 | 4 | 33 | 132 | | | - | 652 |
| Water Trucks | | | - | | | - | | | - | - |
| | | | - | | | - | | | - | - |
| Staff Max | 30 | | | 22 | | | 57 | | | - |

Staff allowed for structures is 40 for a period of 16 months

Table B.6-7. Holthouse Reservoir (Enlarged Funks Reservoir)

| Equipment | Excavation & Fill | | | Drilling & Grouting | | | Concrete | | | Total |
|-----------------------|-------------------|------|------------|---------------------|------|------------|----------|------|------------|------------|
| | Count | Days | Equip Days | Count | Days | Equip Days | Count | Days | Equip Days | Equip Days |
| Bulldozer - Dam | 10 | 285 | 2,850 | | | - | | | - | 2,850 |
| Dozers For Clear/Grub | 5 | 40 | 200 | | | - | | | - | 200 |
| Dozers For Channel | 20 | 530 | 10,600 | | | - | | | - | 10,600 |
| Compactor | 4 | 199 | 796 | | | - | | | - | 796 |
| Conc. Material Trucks | | | - | | | - | 8 | 59 | 472 | 472 |
| Concrete Pump | | | - | | | - | 1 | 22 | 22 | 22 |
| Concrete Trucks | | | - | | | - | 8 | 22 | 176 | 176 |
| Crane | | | - | | | - | | | - | - |
| Drilling Machine | | | - | 1 | 85 | 85 | | | - | 85 |
| Dump Truck | 2 | 4 | 8 | | | - | | | - | 8 |
| Backfill Loader | 1 | 149 | 149 | | | - | | | - | 149 |
| Excavator | | | - | | | - | | | - | - |
| Fork Lift – Yard | | | - | | | - | 1 | 59 | 59 | 59 |
| Fuel Truck | 1 | 570 | 570 | | | - | | | - | 570 |
| Generator | | | - | | | - | 1 | 22 | 22 | 22 |
| Grader | 2 | 199 | 398 | | | - | | | - | 398 |
| Grout Pump | | | - | 2 | 85 | 170 | | | - | 170 |
| Highway Trucks | 80 | 50 | 4,000 | 2 | 18 | 36 | | | - | 4,036 |
| Off-Road Trucks | 10 | 149 | 1,490 | | | - | | | - | 1,490 |
| Scraper – For Dam | 10 | 86 | 860 | | | - | | | - | 860 |
| Scraper – For Dam | 20 | 530 | 10,600 | | | - | | | - | 10,600 |
| Waste/Tree Loader | 1 | 4 | 4 | | | - | | | - | 4 |
| Water Trucks | 4 | 570 | 2,280 | | | - | | | - | 2,280 |
| | | | - | | | - | | | - | - |
| Staff | 180 | | - | 11 | | - | 51 | | - | - |

Table B.6-8. Delevan Intake Pumping/Generating Plant on Sacramento River (Including Fish Screening Facilities)

| Equipment | Excavation & Backfill | | | Concrete & Rock | | | Other Activities | | | Total |
|-------------------------|-----------------------|------|------------|-----------------|------|------------|------------------|------|------------|------------|
| | Count | Days | Equip Days | Count | Days | Equip Days | Count | Days | Equip Days | Equip Days |
| Batch Plant Equipment | | | - | 1 | 104 | 104 | | | - | 104 |
| Bulldozer | 5 | 233 | 1,165 | | | - | | | - | 1,165 |
| Compactor | 2 | 100 | 200 | | | - | | | - | 200 |
| Concrete Pump | | | - | 1 | 104 | 104 | | | - | 104 |
| Concrete Trucks | | | - | 4 | 104 | 416 | | | - | 416 |
| Crane | - | | - | - | | - | 1 | 200 | 200 | 200 |
| Drilling Machine | | | - | | | - | | | - | - |
| Dump Truck | 10 | 125 | 1,250 | | | - | | | - | 1,250 |
| Excavator | | | - | | | - | | | - | - |
| Fork Lift | | | - | | | - | 1 | 400 | 400 | 400 |
| Fuel Truck | 1 | 233 | 233 | | | - | 1 | 100 | 100 | 333 |
| Generator | | | - | 1 | 104 | 104 | | | - | 104 |
| Grader | 2 | 100 | 200 | | | - | | | - | 200 |
| Highway Trucks | | | - | 8 | 147 | 1,176 | 8 | 73 | 584 | 1,760 |
| Loader | 1 | 125 | 125 | | | - | | | - | 125 |
| Off-Road Trucks | | | - | | | - | | | - | - |
| Paving Machine | | | - | | | - | | | - | - |
| Roller | | | - | | | - | | | - | - |
| Scraper-Excavation & Bf | 5 | 233 | 1,165 | | | - | | | - | 1,165 |
| Water Trucks | 2 | 233 | 466 | | | - | | | - | 466 |
| Staff | 38 | | - | 25 | | - | 101 | | - | - |

Peak staff for other activities is set at 80 for building construction. Duration for buildings should be about two years.

Table B.6-9. Paved Roads and Bridges

| Equipment | Grading | | | Agg Base & Paving | | | Bridges | | | Total |
|--------------------------|---------|------|------------|-------------------|------|------------|---------|------|------------|------------|
| | Count | Days | Equip Days | Count | Days | Equip Days | Count | Days | Equip Days | Equip Days |
| Backhoe/Drill | | | | 6 | 245 | 1,470 | 0 | 0 | - | |
| Caisson Drill Rig | | | | | | | 1 | 105 | 105 | |
| Bulldozer | 12 | 811 | 9,732 | | | - | 2 | 19 | 38 | 9,770 |
| Compactor | | | - | | | - | | | - | - |
| Concrete Trucks | | | - | 4 | 211 | 846 | 10 | 140 | 1,400 | 2,246 |
| Concrete Material Trucks | | | | | | | 12 | 310 | 3,720 | |
| Concrete Pump | | | | | | | 2 | 140 | 280 | |
| Crane | | | - | | | - | 2 | 500 | 1,000 | 1,000 |
| Drilling Machine | | | - | | | - | | | - | - |
| Dump Truck | 10 | 30 | 300 | 20 | 315 | 6,300 | 5 | 35 | 175 | 6,775 |
| Excavator | | | - | | | - | 2 | 13 | 26 | 26 |
| Fork Lift – Yard | | | - | | | - | | | - | - |
| Fuel Truck | 1 | 811 | 811 | 1 | 315 | 315 | | | - | 1,126 |
| Generator | | | - | | | - | 1 | 500 | 500 | 500 |
| Grader | 4 | 211 | 844 | 4 | 315 | 1,260 | | | - | 2,104 |
| Grout Pump | | | - | | | - | | | - | - |
| Highway Trucks | | | - | 1 | 235 | 235 | 12 | 88 | 1,056 | 1,291 |
| Loader | 2 | 285 | 570 | 2 | 315 | 630 | 1 | 35 | 35 | 1,235 |
| Off-Road Trucks | 20 | 228 | 4,560 | | | - | | | - | 4,560 |
| Paving Machine | | | - | 2 | 40 | 80 | | | - | 80 |
| Roller | 4 | 211 | 844 | 2 | 40 | 81 | | | - | 925 |
| Scraper | 16 | 546 | 8,736 | | | - | | | - | 8,736 |
| Water Trucks | 2 | 811 | 1,622 | 2 | 315 | 630 | | | - | 2,252 |
| | | | - | | | - | | | - | - |
| Staff Max | 81 | | - | 48 | | - | 59 | | - | - |

Table B.6-10. GCID Canal and Headworks Modifications

| Equipment | Grading & Paving | | | Concrete Work | | | Miscellaneous | | | Total |
|----------------------|------------------|------|------------|---------------|------|------------|---------------|------|------------|------------|
| | Count | Days | Equip Days | Count | Days | Equip Days | Count | Days | Equip Days | Equip Days |
| Bulldozer | 1 | 32 | 32 | | | - | | | - | 32 |
| Compactor | 1 | 159 | 159 | | | - | | | - | 159 |
| Concrete Trucks | | | - | 6 | 26 | 156 | | | - | 156 |
| Crane | | | - | | | - | | | - | - |
| Drilling Machine | | | - | | | - | | | - | - |
| Dump Truck | 4 | 192 | 768 | | | - | | | - | 768 |
| Excavator | | | - | | | - | | | - | - |
| Fork Lift - Yard | | | - | | | - | | | - | - |
| Fuel Truck | 1 | 205 | 205 | | | - | 1 | 130 | 130 | 335 |
| Generator | | | - | 1 | 26 | 26 | 1 | 130 | 130 | 156 |
| Grader | | | - | | | - | | | - | - |
| Grout Pump | | | - | | | - | | | - | - |
| Highway Trucks | | | - | 12 | 35 | 420 | 2 | 130 | 260 | 680 |
| Loader | 1 | 192 | 192 | | | - | | | - | 192 |
| Off-Road Trucks | | | - | | | - | | | - | - |
| Paving Machine | 1 | 33 | 33 | | | - | | | - | 33 |
| Roller | 2 | 33 | 66 | | | - | | | - | 66 |
| Scraper - Excavation | 3 | 46 | 138 | | | - | | | - | 138 |
| Water Trucks | 1 | 205 | 205 | | | - | | | - | 205 |
| | | | - | | | - | | | - | - |
| Staff Max | 25 | | - | 29 | | - | 14 | | - | - |

Table B.6-11. Recreational Facilities

| Equipment | Grading & Paving | | | Concrete Work | | | Miscellaneous | | | Total |
|--------------------------|------------------|------|------------|---------------|------|------------|---------------|------|------------|------------|
| | Count | Days | Equip Days | Count | Days | Equip Days | Count | Days | Equip Days | Equip Days |
| Bobcat | 2 | 158 | | | | | | | | |
| Bulldozer | 1 | 116 | 116 | | | - | | | - | 116 |
| Compactor | | | - | | | - | | | - | - |
| Concrete Trucks | | | - | 2 | 33 | 66 | | | - | 66 |
| Concrete Material Trucks | | | | 4 | 44 | | | | | |
| Crane | | | - | | | - | | | - | - |
| Drilling Machine | | | - | | | - | | | - | - |
| Dump Truck | 3 | 158 | 474 | | | - | | | - | 474 |
| Excavator | | | - | | | - | | | - | - |
| Fork Lift - Yard | | | - | | | - | 1 | 121 | 121 | 121 |
| Fuel Truck | 1 | 158 | 158 | 1 | 33 | 33 | 1 | 121 | 121 | 312 |
| Generator | | | - | 1 | 33 | 33 | | | - | 33 |
| Grader | 1 | 28 | 28 | | | - | | | - | 28 |
| Grout Pump | | | - | | | - | | | - | - |
| Highway Trucks | 4 | 10 | 40 | | | - | 2 | 121 | 242 | 282 |
| Loader | 1 | 158 | 158 | | | - | | | - | 158 |
| Off-Road Trucks | | | - | | | - | | | - | - |
| Paving Machine | 1 | 22 | 22 | | | - | | | - | 22 |
| Roller | 1 | 50 | 50 | | | - | | | - | 50 |
| Scraper - Excavation | | | - | | | - | | | - | - |
| Water Trucks | 1 | 144 | 144 | | | - | | | - | 144 |
| | | | - | | | - | | | - | - |
| Staff Max | 24 | | - | 18 | | - | 14 | | - | - |