Data sheet for Hydro Plant and Diesel Plant specs.
Total output at full loads per machine at full lake levels.

Blue Lake hydro plant:
Two horizontal Toshiba Francis Reactive Turbines.
Start of construction-1959. On line- 1961.
Rated kW capacity- 3,000 kW and 3750kVA.
12 pole generator.
Woodward 505-H governors set at 4% droop.
Speed 600 RPM.
Max. H.P.-5,250
C.F.S., cubic feet per second-190.
Gallons per minute-85,000.
Gallons per hour-5.1 million.
Penstock pressure-135#.
Power conduit length- 1.3 miles or 6,600 feet.
Intake elevation- 240 feet.
Dam height- 210 feet.
Dam height above sea level-351 feet.
Dam spill height above sea level-342 feet.

Green Lake hydro plant:
Two vertical Siemens-Allis Francis Reactive Turbines.
Start of construction-1980. On line-1982.
Rated kW capacity- 9,270 kW and 10,300kVA
14 pole generator.
Woodward governors set at 3% droop.
Speed 514 RPM.
Max. H.P.- 14,500
C.F.S. cubic feet per second-373.
Gallons per minute-167,850.
Gallons per hour-10 million.
Penstock pressure-162#.
Power conduit length- 3/8ths of a mile or 1,858 feet.
Intake elevation-260 feet.
Dam height-210 feet.
Dam height above sea level- 405 feet.
Dam spill height above sea level-395 feet.

Camp Ground & Filter plant hydro's:
Two horizontal Francis turbines.
Start of construction-1992.
On line-1993.
Rated kW capacity- C.G. 720 kW/ FP 990 kW
C.F.S. cubic feet per second- 80.

Diesel Plant:
Three Fairbanks' Morse diesel generators.
Total kW capacity- 7,500 kW. 8 pole generator.
Woodward 2301-A governors set at 5% droop.
One Catipillar diesel generator.
Total k.W. capacity- 4.4 Megs continuos and 5.3 Megs short durations.
Woodward 636 governor set at 5% droop.

~~SADA~~ **control:** Allen Bradley & Esteem Radio
SCADA