



Three Rivers FERC PROJECT #11797

PLANT DATA

CONSTRUCTION AND KEY DATES

Owner..... Grande Point Power Corporation
 Date of Purchase..... 2014
 Date Originally Built..... 1917
 Online Date..... 1917
 License Effective Date..... September 1, 2003
 License Expiration Date..... November 30, 2036

HYDROLOGIC DATA

River..... St. Joseph River
 County..... St. Joseph, Michigan
 Nearest City..... Three Rivers, Michigan
 Drainage Area Square Miles..... 985
 Reservoir Acres..... 601
 Storage Volume Acre Feet..... 902
 100-Year Flood CFS..... 7,000
 Probable Maximum Flood CFS..... 28,500

OPERATIONAL DATA

Normal Headwater Elevation..... 798.0 NVGD 29
 Minimum Headwater Elevation..... 797.75 NVGD 29
 Maximum Headwater Elevation... 798.25 NVGD 29
 Normal Operating Head..... 16
 Number of Units..... 3
 Maximum Generating Capacity..... 900Kw
 Annual Generation..... 2500 MWH
 Maximum Turbine Discharge CFS..... 900
 Spillway Capacity CFS..... 22,500
 Hazard Rating..... High
 Run-Of-River Minimum Flow..... None

STRUCTURAL DATA

Dam Type..... Concrete Gravity
 Overall Length and Height...1,321.6 ft. long x 16 ft. high
 Spillway Description...
 Gated spillway w/ 19 structural slide gates

Turbine Manufacturer..... James Leffel & Co.

Turbine Identification:

Unit #1..... 42Z Francis
 Unit #2..... 42Z Francis
 Unit #3..... 42Z Francis

Turbine CFS @ 100% Gate:

Unit #1..... 360
 Unit #2..... 360
 Unit #3..... 360

Generator Identification:

Unit #1..... Electric Machinery Co
 Unit #2..... Electric Machinery Co
 Unit #3..... Electric Machinery Co

Generator Nameplate Rating KW:

Unit #1..... 300
 Unit #2..... 300
 Unit #3..... 300

Generator Horsepower:

Unit #1..... No Data
 Unit #2..... No Data
 Unit #3..... No Data

Generator Speed RPM:

Unit #1..... 120
 Unit #2..... 120
 Unit #3..... 120

Generator Voltage:

Unit #1..... 2500
 Unit #2..... 2500
 Unit #3..... 2500