



Belding FERC PROJECT #9379

PLANT DATA

CONSTRUCTION AND KEY DATES

Owner..... Grenfell, Inc
 Date of Purchase..... 2013
 Date Originally Built..... 1887
 Online Date..... 1987
 Exemption Effective Date..... March 17, 1986
 License Expiration Date..... Exempt

HYDROLOGIC DATA

River..... Flat River
 County..... Ionia, MI
 Nearest City..... Belding, MI
 Drainage Area Square Miles..... 493
 Reservoir Acres..... 110
 Storage Volume Acre Feet..... 490

OPERATIONAL DATA

Normal Headwater Elevation..... 760.5 NVGD
 Normal Operating Head..... 11 ft.
 Number of Units..... 2
 Maximum Generating Capacity..... 280 KW
 Annual Generation..... 1676 MWH
 Maximum Turbine Discharge CFS..... No Data
 Spillway Capacity CFS..... No Data
 Hazard Rating..... Low
 Run-Of-River Minimum Flow.....
 130 CFS or match inflow

STRUCTURAL DATA

Dam Type..... Concrete Gravity
 Overall Length and Height..... 296 ft. long x 15 ft. high
 Spillway Description...
 86 ft. uncontrolled spillway
 3 radial spillway gates

Turbine Manufacturer..... Unknown

Turbine Identification:

Unit #1..... Adjustable Blade
 Unit #2..... Adjustable Blade

Turbine CFS @ 100% Gate:

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

Generator Identification:

Unit #1..... Leroy-Somer Inc
 Unit #2..... Leroy-Somer Inc

Generator Nameplate Rating KVA:

Unit #1..... 182
 Unit #2..... 182

Generator Horsepower:

Unit #1..... 212
 Unit #2..... 212

Generator Speed RPM:

Unit #1..... 1825
 Unit #2..... 1825

Generator Voltage:

Unit #1..... 480
 Unit #2..... 480