



# FLAMBEAU PIXLEY FERC PROJECT #2395

## CONSTRUCTION AND KEY DATES

Owner.....Flambeau Hydro, LLC  
 Date of Purchase.....January 23, 2001  
 Date Originally Built.....1917  
 Online Date.....1923  
 License Effective Date.....February 1, 1997  
 License Expiration Date.....February 1, 2037

## HYDROLOGIC DATA

River.....Flambeau River  
 County.....Price County, WI  
 Nearest City.....Fifield  
 Drainage Area Square Miles.....786  
 Reservoir Acres.....193  
 Storage Volume Acre Feet.....1,757  
 Average Flow CFS.....700 CFS  
 Probable Maximum Flood CFS.....54,600 CFS  
 Flood of Record.....4,700 CFS  
 Date of Flood.....April 22, 2004

## OPERATIONAL DATA

Normal Headwater Elevation.....1448.70  
 Minimum Headwater Elevation.....1448.45  
 Maximum Headwater Elevation.....1448.95  
 Normal Operating Head.....21.5'  
 Number of Units.....2  
 Maximum Generating Capacity.....960 KW  
 Annual Generation.....5.3 GWH  
 Maximum Turbine Discharge CFS.....970 CFS  
 Hazard Rating.....High  
 Minimum Flow.....350 CFS

## STRUCTURAL DATA

Dam Type.....Earthen / Concrete Gravity Dam  
 Overall Length and Height.....977' Long x 21' High  
 Power Canal.....N/A  
 Penstock.....N/A  
 Spillway Description:  
 Gated Spillway Length.....46.5' Long  
 2-Tainter Gate Sections.....20' x 14'  
 1-Concrete Powerhouse.....91' x 31'  
 1-Gate Valve.....300 CFS

## PLANT DATA

Turbine Manufacturer.....S. Morgan Smith Co.  
 Turbine Identification:  
 Unit #5.....S. Morgan Smith 36" Type S  
 Unit #6.....S. Morgan Smith 36" Type S  
 Turbine CFS @ 100% Gate:  
 Unit #5.....485 CFS  
 Unit #6.....485 CFS  
 Generator Identification:  
 Unit #5.....Westinghouse Co.  
 Unit #6.....Westinghouse Co.  
 Generator Nameplate Rating KVA:  
 Unit #5.....600 KVA  
 Unit #6.....600 KVA  
 Generator Horsepower:  
 Unit #5.....800  
 Unit #6.....800  
 Generator Speed RPM:  
 Unit #5.....180 RPM  
 Unit #6.....180 RPM  
 Generator Voltage:  
 Unit #5.....2300  
 Unit #6.....2300