



November 14, 2013

Mr. Peter Fasbender
Field Supervisor
U.S. Fish and Wildlife Service
2661 Scott Tower Drive
New Franken, WI 54229

Ms. Cheryl Laatsch
Statewide FERC Coordinator
Wisconsin Department of Natural Resources
N7725 Hwy 28
Horicon, WI 53032

**Re: Flambeau Lower Project
FERC # 2421
Flambeau Hydro, LLC
Article 410, 2013 Draft Purple Loosestrife Inventory**

Dear Ms. Laatsch, and Mr. Fasbender:

Attached you will find a draft copy of the Flambeau Hydro, LLC "Purple Loosestrife Inventory" for 2013. This annual report has been prepared to comply with the federal hydropower license of the project and article named above. A final copy will be filed with the Federal Energy Regulatory Commission with any comments you might add by the end of January.

If you have any questions regarding this submission, please contact Mr. Gary Rast at Renewable World Energies Neshkoro office @ (855)994-9376, ext 105 or Aneta Rietveld at Renewable World Energies Norway office @ (855)994-9376, ext 108. They can also be reached via email at grast@rwehydro.com or arietveld@rwehydro.com.

Sincerely,
Renewable World Energies, LLC

Agent for the Licensee


Mr. Jason Kreuzscher

For: Vice President Operations

CC:RWE Hydro, Corporate

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Flambeau Lower Project Purple Loosestrife Inventory
August 14, 2013
FERC Project # 2421 Article 410

Flambeau Hydro LLC
100 S. State St.
Neshkoro, WI 54960

Purple Loosestrife

On August 14, 2013, Flambeau Hydro, LLC (FHLLC) performed an inventory of purple loosestrife plants at the Flambeau Lower Project in Price County, Wisconsin. The method of inventory as approved and modified by Federal Energy Regulatory Commission (FERC) Order of June 18, 2003 was defined as follows:

While Purple Loosestrife is blooming in mid-July to early August, the inventory should be conducted using a boat to survey the impoundment above the dam within the Project Boundary and on foot or by boat below the dam within the Project Boundary. County wetland maps may be used to determine other areas where Purple Loosestrife could be found on lands owned by FHLLC within the Project Boundary. Lands owned by FHLLC within the Project Boundary will be surveyed on foot. A pair of binoculars should be used to search for the purple flowered spikes of the plant. When plants are located, the person(s) inventorying should get close enough to make a positive identification without disturbing the plants or the immediate area around the plants as this could cause them to spread. A GPS receiver will be used to establish a GPS coordinate for the location of the plants. If it is not possible to get close enough to establish an accurate location, an approximate location will be established with reference to an established GPS coordinate. The plants should be inventoried by marking and numbering the location on a Project map along with notes approximating size of plants, stand area, percent cover, stem density, plant density, and location with reference to established GPS coordinates. Photos and/or videotape will be taken of the largest occurrences.

Example:

#1) 6' tall plants; 4' x 20'; 30% cover; 4-5 stems per plant; 4 plants; on shoreline N45 56.183' W90 26.748'; no photo

#2) 5'-7' tall plants; 10' x 10'; 25% cover; 4-5 stems per plant; 10 plants; in marsh ~50 feet Bearing 25 degrees from N45 56.256' W90 26.710'; photo No. 1

The area to be inventoried shall be the shoreline of the impoundment to elevation 1468 feet NGVD and lands owned by FHLLC within the Project Boundary as indicated on the Project Maps 1, dated November 1991, included in Exhibit G of Flambeau Paper Corp. Application for a Subsequent License for the Lower Hydroelectric Project FERC Project #2421.

General Observations:

The Flambeau Lower Project Boundary was divided into three different areas; *the impoundment* (from HWY 182 bridge in Park Falls to the dam), *FHLLC-owned property within the project boundary* (FHLLC owned property adjacent to the dam and powerhouse), and *the tailrace* (from the dam and powerhouse to the HWY 13 bridge).

The tailrace was surveyed by boat and no purple loosestrife plants were observed.

The FHLLC-owned property within the project boundary was surveyed on foot and no purple loosestrife plants were observed.

The impoundment was surveyed by boat and no purple loosestrife plants were observed.

If any purple loosestrife plants had been found during the inventory, a digital camera would have been used to document these occurrences and GPS coordinates for the location of the plants would have been recorded.

Purple Loosestrife Survey

Project: Flambeau Lower #2421

Datum: WGS 84

Date: August 14, 2013

Page: 1 of 1

Crew: GGR and AKR

Sighting #	GPS Point	Latitude	Longitude	Plant Height	Stand Area	Comments
						No occurrences of purple loosestrife were found within the project boundary in 2013.



Flambeau Lower, Purple Loosestrife Map 2013 Park Falls, WI FERC # 2421

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FLLW 2013 Purple Loosestrife Survey Day

Year 2013 Purple Loosestrife Survey

Flambeau Lower Hydroelectric Project – FERC # 2421

Date: 8-14-13 Conducted By: AKR GGR

HWL: 1467.187 TWL: 1448.2 359 cfs

Time Survey Started: 2:20 Time Survey Ended: 3:27

Weather Conditions: sunny 70's

Location of Survey Area: Tailrace _____ Bypass Reach _____ Impoundment X

Time of Sighting(s): _____

Location of Sighting(s) (GPS Coordinates): _____

(Attach Photos & Map if Applicable)

Purple Loosestrife: none observed

Other Species Observed: goose

Other Pertinent Survey Information

Year 2013 Purple Loosestrife Survey

Flambeau Lower Hydroelectric Project – FERC # 2421

Date: 8-14-13 Conducted By: AKR BGR

HWL: 1467.187 TWL: 1448.2 559 cfs

Time Survey Started: 2:10 Time Survey Ended: 0:20

Weather Conditions: partly cloudy

Location of Survey Area: Tailrace canoe portage Bypass Reach Impoundment

Time of Sighting(s): _____

Location of Sighting(s) (GPS Coordinates): _____

(Attach Photos & Map if Applicable)

Purple Loosestrife: none observed

Other Species Observed: _____

Other Pertinent Survey Information

