



February 26, 2019

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

**Re: Danbury Hydroelectric Project FERC #9184
Flambeau Hydro, LLC
Article 401 (b) (M) – Final 2018 Purple Loosetrife Inventory Report**

Dear Ms. Bose:

On behalf of Flambeau Hydro, LLC (Licensee), Renewable World Energies LLC is submitting the *Final 2018 Purple Loosetrife Inventory Report* for the Danbury Hydroelectric Project. It is a requirement of Article 401 (b) (M) amended April 23, 2013 of the License issued to Flambeau Hydro LLC by the Federal Energy Regulatory Commission on September 5, 2006. The 401 (b) (M) amendment changes the monitoring schedule from every year to every other year as well as Galerucella Beetles being placed at documented Purple Loosetrife sites in the non-survey year.

The report was sent to the agencies by attachment to an e-mail on December 13, 2018. The letter and e-mail asked for comment if the agencies had any to offer. No comment has been received to date from either Mr. Utrup (USFWS) or Ms. Laatsch (WDNR). The survey was conducted on August 19, 2018. It began on the Impoundment, continued to the FHLLC – Owned Property, and ended with the Tailrace. No Purple Loosetrife was observed during the survey. However, wildlife such as Eagles and Turtles along with cattails were observed. Since no Purple Loosetrife was observed, no Galerucella Beetles are scheduled to be released in 2019. The next survey and report will be due in 2020.

If you have any questions concerning the report, please contact Brian Kreuzscher at the Renewable World Energy LLC offices @ 855-994-9376 Ext. 230. He can also be reached by e-mail at bkreuscher@rwehydro.com.

Corporate Office
P.O. Box 264
100 S. State Street
Neshkoro, WI 54960
Fax: 920-293-4100


Phone: 855-99HYDRO
(855-994-9376)
www.renewableworldenergies.com

Administrative Office
1001 Stephenson Street
Norway, MI 49870
Fax: 906-563-9344



Sincerely,
Renewable World Energies, LLC
Agent for Licensee

A handwritten signature in black ink, appearing to read "Bj/kh".

 Mr. Jason Kreuzscher
Vice President, Operation

Attachment: Final Danbury 2018 Purple Loosestrife Inventory Report
Agency Correspondence

Cc: Ms. Cheryl Laatsch, WDNR – Attachment to E-Mail
Mr. Nick Utrup, USFWS – Attachment to E-Mail
Mr. Paul Cook, Burnett County – Attachment to E-Mail
RWE

2018 Purple Loosestrife Inventory
for
Danbury Hydroelectric Project
FERC Project #9184
Flambeau Hydro, LLC
Burnett County, Wisconsin

Submitted by:



429 River Lane, P.O. Box 27
Amasa, Michigan 49903
Phone: 906-822-7889

Summary of Purple Loosestrife Inventory for Danbury Hydroelectric Project, FERC #9184

On August 19, 2018, White Water Associates, Inc. performed an inventory of purple loosestrife at the Danbury Hydroelectric Project. This is a requirement of Article 401 (b) amended April 23, 2013 of the License issued to Flambeau Hydro LLC by the Federal Energy Regulatory Commission (FERC) (September 5, 2006). This amendment changes the monitoring schedule from every year to every other year as well as Galerucella beetles being placed at documented purple loosestrife sites in the non-survey year.

2018 Observations

The Danbury Project boundary was divided into three different areas; *the impoundment* (from the Danbury powerhouse #2 to the County HWY U bridge approximately 6.0 miles upstream), *FHLLC-owned property within the project boundary* (FHLLC-owned property adjacent to the dams and powerhouses), and *the tailrace* (from the powerhouse #1 to a point approximately 2,500 feet downstream, including the 200 foot long tailrace area of powerhouse #2).

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

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

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

Appendix A provides tables of historical purple loosestrife data. Appendix B provides scans of field data sheets.

Appendix A

Tables

Table 1. GPS points for purple loosestrife inventory at Danbury, FERC#9184.					
<i>GPS Point</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Plant Height</i>	<i>Stand Area</i>	<i>Comments</i>
DNBYPL001	45.94743	-92.41280	N/A	N/A	2007-first observed. Plants cut at base. 2008-no plants observed. 2009-1 plant observed and pulled. 2010, 2011, 2012, 2013 & 2014-no plants observed. 2016-no plants observed. 2018-no plants observed.

Appendix B

Scans of Datasheets

Purple Loosestrife Survey

Danbury

Hydroelectric Project – FERC # 9184

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Date 8-19-2018 Conducted By Stina Warmbol

HWL 928 TWL 881, 55 CFS 124 Equipment Used: Binoculars, Camera GPS

Air Temp: 80 °F Wind Speed: SE 4 mph Barometer: 29.9 Sky Conditions: 570 Clouds

Time Survey Started 1:00 Time Survey Ended 5:01 Boat (14ft) or Canoe) and/or Foot

Latitude Start BL Longitude End BL

Location of Survey Area: Tailrace Bypass Reach Impoundment FHLIC Property

Description of Location _____

Historic Info: _____

Purple Loosestrife Found: Yes or No No

Information					
Site					
Time					
Photo ID					
Location					
Single or Multi-stem					
# of Plants					
Acreage est.					
Stand Area Density					
Size Colony S=0-5, M=6-50, L=>50~					
Plant Height ~ Ft					
Flowering %					
Beetle Feeding?					
Plant Vigor (Very poor to good)					
Plant Removed (explain)					

Information					
Site					
Time					
Photo ID					
Location					
Single or Multi-stem					
# of Plants					
Acreage est.					
Stand Area Density					
Size Colony S=0-5, M=6-50, L=>50~					
Plant Height ~ Ft					
Flowering %					
Beetle Feeding?					
Plant Vigor (Very poor to good)					
Plant Removed (explain)					

Other Species Observed:

Purple Loosestrife Survey

Danbury

Hydroelectric Project - FERC # 9184

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Date 8-19-2018 Conducted By Stine Warmboe

HWL 928.0 TWL 881.55 CFS 124 Equipment Used: Binocular, GPS

Air Temp 80 °C / 176 °F Wind Speed: SE 4 mph Barometer: 29.9 Sky Conditions: 10/10 Clouds

Time Survey Started 14:00 Time Survey Ended 14:40 Boat (14ft or Canoe) and/or Foot

Latitude Start _____ Longitude End _____

Location of Survey Area: Tailrace Bypass Reach Impoundment _____ FHLLC Property _____

Description of Location _____

Historic Info: _____

Purple Loosestrife Found: Yes or No

Information					
Site					
Time					
Photo ID					
Location					
Single or Multi-stem					
# of Plants					
Acreage est.					
Stand Area Density					
Size Colony S=0-5, M=6-50, L=>50~					
Plant Height ~ Ft					
Flowering %					
Beetle Feeding?					
Plant Vigor (Very poor to good)					
Plant Removed (explain)					

Information					
Site					
Time					
Photo ID					
Location					
Single or Multi-stem					
# of Plants					
Acreage est.					
Stand Area Density					
Size Colony S=0-5, M=6-50, L=>50~					
Plant Height ~ Ft					
Flowering %					
Beetle Feeding?					
Plant Vigor (Very poor to good)					
Plant Removed (explain)					

Plants Observed:

Brian Kreuscher

From: Brian Kreuscher
Sent: Thursday, December 13, 2018 4:43 PM
To: Cheryl Laatsch; Nick Utrup
Subject: Danbury (P-9184), Clam River (P-9185) Draft Purple Loosestrife Reports
Attachments: Danbury PL Report 2018_COMPLETE.pdf; Clam River PL Report 2018_COMPLETE.pdf

Cheryl and Nick,

Attached are copies of the Purple Loosestrife Reports for the surveys conducted at Danbury (P-9184) and Clam River (P-9185). Beetles were released in 2017 in the Clam Flowage, while 2018 was a survey year.

Please return any comments on the report to me within 30 days.

Thanks
Brian Kreuscher
Renewable World Energies
Regulatory & Compliance
855-994-9376 x230