



## Hydro Green Energy®

Hydro Green Energy, LLC • 2901 4<sup>th</sup> Avenue South, # B253 • Birmingham, AL 35233

www.hgenenergy.com

April 1, 2026

Debbie-Anne A. Reese  
Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, DC 20426

**Re: Lock+™ Hydro Friends Fund X, LLC  
Notice of Intent  
Melvin Price Locks and Dam Hydroelectric Project, FERC Project No. P-15257**

Dear Secretary Reese,

Hydro Green Energy (HGE) on behalf of Lock+™ Hydro Friends Fund X, LLC (HFF), a wholly owned development subsidiary, is submitting to the Commission this Notice of Intent (NOI) to file an application for an original license for the 100.00 MW Melvin Price Locks and Dam hydroelectric project (FERC Project No. P-15257).

This NOI is being filed pursuant to the requirements of 18 CFR Sec. 5.1 of the Commissions regulations. In accordance with 18 CFR Sec. 5, HFF is concurrently submitting to the Commission and requests to:

1. Under 18 CFR 5.1, to use the Integrated Licensing Process (ILP);
2. Under 18 CFR 5.6, to use the Preliminary Application Document (PAD);
3. To be designated by the Commission as the non-federal representative for the purpose of conducting consultations pursuant to Section 7 of the Endangered Species Act (ESA);
4. To be designated by the Commission as the non-federal representative for the purpose of conducting consultations pursuant to Section 305(b) of the Magnuson-Stevens Fishery Conservation Act;
5. To be designated by the Commission as the non-federal representative for the purpose of conducting consultations pursuant to Section 106 of the National Historic Preservation Act.

It is HFF's intention to file for an original license for the project.

The Project will include the construction of a new head race, a four-unit submersible powerhouse, and a tailrace located in Illinois even though it is on the Missouri side of the river. The Project will be located primarily in Illinois. The excavated trapezoidal head race will be approximately 400 ft in length by 315 ft in width at the invert. The head race will convey flow from the river upstream from the dam to the powerhouse located at the existing overflow weir spillway. The powerhouse will be constructed of four precast concrete modules founded on piers. The powerhouse including the draft tubes will be approximately 325 ft long and 315 ft wide. The four identical turbines in the powerhouse will be 7.7+/- meter-diameter bulb-type turbines having a total maximum installed capacity of 100 megawatts (MW). The net design head is 18 ft. The minimum net head is 8.2 ft, and the maximum net head is 21.3 ft. The rated unit turbine flow is 17,834 cubic feet per second (cfs). Average annual generation is estimated to be 407.33 gigawatt hour (GWh). Flow will exit the powerhouse into an excavated trapezoidal tailrace approximately 500 ft long by 315 ft wide at the invert. Flow will exit from the tailrace into the Mississippi River.

Power at 6.9 kilovolt (kV) will be transferred from the generators through switchgear and protective relays to a 138-kV step up transformer above the powerhouse roof. From the powerhouse, power will be transferred by an aerial line to an existing Midcontinent Independent System Operator (MISO) substation interconnection point located approximately 0.5 miles north of the dam in Illinois. All transmission line towers will be terrestrially located.

Since HFF is utilizing the Integrated Licensing Process (ILP), the Commission will coordinate a scoping meeting and the site visit at the Locks and Dam.

The following information is provided pursuant to 18 C.F.R § 5.5(b).

*(1) The license applicant name and address:*

Wayne F. Krouse, CEO  
Lock+™ Hydro Friends Fund X, LLC  
2901 4th Avenue South, #B 253  
Birmingham, Alabama 35233  
Phone (877) 556-6566  
Email [wayne@hgenergy.com](mailto:wayne@hgenergy.com)

*(2) FERC project number:*

FERC Project No. P-15257

*(3) License expiration date, if any:*

Not Applicable.

*(4) Statement of intent to file:*

Lock+™ Hydro Friends Fund X, LLC hereby unequivocally states its intent to file an application for an original license for the Melvin Price Locks and Dam Hydroelectric Project (FERC Project No. P-15257).

*(5) Type of principal project works licensed:*

The Project will utilize the existing Melvin Price Locks and Dam that is owned and operated by the USACE. The Project will operate in a run-of-river mode and will not alter nor adversely affect current or future USACE operations. The Applicant will develop a new renewable energy resource for the region that will have minimal environmental effects.

The Project is a conventional hydropower project that will utilize the available flows of the Mississippi River to generate electricity at the existing Melvin Price Locks and Dam site. The Project will include the construction of a new head race, a four-unit submersible powerhouse, and a tailrace located in Illinois even though it is on the Missouri side of the river. An aerial transmission line will be constructed to transfer power from the powerhouse across the river upstream from the dam to an existing substation located on the Illinois side of the river. All transmission line towers will be terrestrially located. From the powerhouse, power will be transferred by an aerial line to an existing Midcontinent Independent System Operator (MISO) substation interconnection point located approximately 0.5 miles north of the dam in Illinois.

(6) *Location of the project by state, county, nearby city, and stream:*

State:	Illinois	Missouri
County:	Madison	St. Charles
Nearby City:	Alton	West Alton
Stream:	Mississippi River	

(7) *The installed plant capacity:*

Four horizontal bulb turbines, each with a capacity of 25 MW for a total installed capacity of 100 MW.

(8) *The names and mailing addresses of:*

(i) *Every county in which any part of the proposed project is located, and in which any Federal facility that is used or to be used by the project is located:*

Madison County, IL  
 Madison County Administrative Building  
 157 North Main Street  
 Edwardsville, IL 62025

St. Charles County, MO  
 St. Charles County Administrative Building  
 201 North Second Street  
 St. Charles, MO 63301

U.S. Army Corps of Engineers, St. Louis District  
 1222 Spruce Street  
 St. Louis, MO 63103-2833

(ii) *Every city, town, or similar political subdivision:*

*(B) That has a population of 5,000 or more and is located within 15 miles of the proposed Project dam:*

There are 13 cities, towns or similar political subdivisions with a population of 5,000 or more people that are located within 15 miles of the Project site/dam:

Illinois	Missouri
Alton, IL Alton City Hall 101 East 3rd Street Alton, IL 62002	St. Charles, MO City of St. Charles Hall 200 North Second Street St. Charles, MO 63301
Wood River, IL Wood River City Hall 111 North Wood River Avenue Wood River, IL 62095	Florissant, MO Florissant City Hall 955 Rue St. Francois Florissant, MO 63031
East Alton, IL East Alton Clerk's Office	Hazelwood, MO Hazelwood City Hall

119 West Main Street East Alton, IL 62024	415 Elm Grove Lane Hazelwood, MO 63042
Bethalto, IL Bethalto Village Hall 213 North Prairie Street Bethalto, IL 62010	Spanish Lake, MO St. Louis County Government Center 41 South Central Avenue Clayton, MO 63105
Godfrey, IL Godfrey Town Hall 6810 Godfrey Road Godfrey, IL 62035	Black Jack, MO Black Jack City Hall 12500 Old Jamestown Road Black Jack, MO 63033
Edwardsville, IL Edwardsville City Hall 118 Hillsboro Avenue Edwardsville, IL 62025	
Glen Carbon, IL Village of Glen Carbon 151 North Main Street Glen Carbon, IL 62034	
Granite City, IL Granite City Hall 2000 Edison Avenue Granite City, IL 62040	

(iii) *Every irrigation district, drainage district, or similar special purpose political subdivision:*

Not Applicable. The Applicant is not aware of any irrigation districts, drainage districts, or similar purpose political subdivisions associated with this project.

(iv) *Every other political subdivision in the general area of the proposed project that are likely to be interested in, or affected by, this notice of intent:*

West Alton, MO  
City of West Alton  
P.O. Box 42  
West Alton, MO 63386

(v) *Affected Indian tribes:*

Eastern Shawnee Tribe of Oklahoma  
Tribal Historic Preservation Office  
P.O. Box 350  
Seneca, MO 64865

If you have any questions concerning this NOI or the PAD, please do not hesitate to contact me at 877-556-6566 x709 or [wayne@hgenergy.com](mailto:wayne@hgenergy.com).

Sincerely,

A handwritten signature in cursive script, reading "Wayne Krouse", followed by a horizontal line extending to the right.

Wayne Krouse  
Managing Member,  
Lock+™ Hydro Friends Fund X, LLC  
Chairman & CEO  
Hydro Green Energy, LLC