

# STATE OF NEW HAMPSHIRE

Inter-Department Communication

**DATE:** March 4, 2013  
**AT (OFFICE):** NHPUC

**FROM:** Barbara Bernstein  
Sustainable Energy Analyst

**SUBJECT:** DE 13-033, Joseph T. Keenan's Eligibility Request for the Sunnybrook Hydro #2 Facility to Produce Class IV New Hampshire Renewable Energy Certificates (RECs) Pursuant to RSA 362-F  
**Staff Recommends that Eligibility be Granted**

**TO:** Chairman Amy L. Ignatius  
Commissioner Robert R. Scott  
Commissioner Michael Harrington  
Debra A. Howland, Executive Director and Secretary

**CC:** Jack K. Ruderman, Director of the Sustainable Energy Division  
Suzanne Amidon, Staff Attorney



### ***Summary***

On January 29, 2013, Joseph T. Keenan submitted an application requesting Class IV certification for the Sunnybrook Hydroelectric #2 (Sunnybrook Hydro #2) facility pursuant to RSA 362-F, New Hampshire's Renewable Portfolio Standard law. Staff has reviewed Mr. Keenan's certification request for Sunnybrook Hydro #2's .053 megawatts (MW) of electrical production and has determined that it meets the eligibility requirements under RSA 362-F:4, as a Class IV hydro facility and complies with the New Hampshire Code of Administrative Rules Puc 2500. Staff has determined that the application was complete as submitted and recommends Commission approval for Sunnybrook Hydro #2 as a Class IV renewable energy source effective January 29, 2013.

### ***Analysis***

Pursuant to RSA 362-F:4, Class IV existing small hydroelectric facilities of one megawatt or less may apply for RECs if they are in compliance with applicable Federal Energy Regulatory Commission (FERC) fish passage restoration requirements and interconnected with an electric distribution system located in New Hampshire.

To qualify as a facility eligible to produce RECs, Puc 2505.02 (b) requires the source to provide the following:

- 1) *The name and address of the applicant.* The application was filed by Joseph T. Keenan, P.O. Box 270, Lancaster, NH 03584.

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- 2) *The name and location of the facility.* Sunnybrook Hydro #2 is located on the Whipple Brook in Northumberland, NH.
- 3) *The ISO-New England asset identification number (if available).* The facility's asset identification number is 935.
- 4) *The GIS facility code if available.* The NEPOOL GIS facility code has been verified as MSS 935.
- 5) *A description of the facility including fuel type, gross nameplate generation capacity, the initial commercial operation date, and the date it began operation, if different.* Sunnybrook Hydro #2 operates from water flowing into Whipple Brook from the White Mountain National Forest and the surrounding area with a top elevation of approximately 3,500 feet above sea level. Its principle components include a catchment berm creating a small pond, a powerhouse, a penstock, a fore bay to prevent large sticks from entering the penstock and other appurtenances. The gross nameplate generation capacity is .053 MW of electricity. The project began commercial operation in 1983.
- 6) *(N/A – pertains to biomass sources).*
- 7) *All other necessary regulatory approvals, including any reviews, approvals or permits granted by the department.* A FERC Online e-Library document, Docket # QF 07-73, dated January 24, 2007, qualifying Sunnybrook Hydro #2 was provided with the application; therefore, the facility is in compliance with applicable FERC requirements including those related to fish passage restoration.
- 8) *Proof that the applicant either has an approved interconnection study on file with the commission, is a party to a currently effective interconnection agreement, or is otherwise not required to undertake an interconnection study.* A copy of the Operating Agreement for Purposes of Wheeling and Power Sales between Public Service Company of New Hampshire (PSNH) and the Joseph T. Keenan Trust, doing business as Sunnybrook Hydro #2 dated January 22, 2007 was provided.
- 9) *(N/A – pertains to biomass sources).*
- 10) *A description of how the generation facility is connected to the distribution utility.* Sunnybrook Hydro #2 is interconnected with the PSNH electric distribution system.
- 11) *A statement as to whether the facility has been certified under another non-federal jurisdiction's renewable portfolio standard and proof thereof.* Sunnybrook Hydro #2 is not currently certified as a renewable energy resource in any non-federal jurisdiction's renewable portfolio standard.

*12) A statement as to whether the facility's output has been verified by ISO New England.*

The facility's output has been verified by ISO New England and the facility is listed in the GIS database.

*13) A description of how the facility's output is reported to the GIS if not verified by ISO-New England.* Not applicable.

*14) An affidavit by the owner attesting to the accuracy of the contents of the application.*

An affidavit signed by Joseph T. Keenan, owner of Sunnybrook Hydro #2, was provided with the application.

*15) The name and telephone number of the facility's operator, if different from the owner.* The owner and operator are one and the same.

*16) Such other information as the applicant wishes to provide to assist in classification of the generating facility.* All information required to complete the application was provided.

#### ***Recommendation***

Staff has reviewed the Sunnybrook Hydro #2 application for Class IV certification and can affirm it is complete pursuant to New Hampshire Code of Administrative Rules Puc 2500. Staff recommends that the Commission certify Sunnybrook Hydro #2 as a Class IV renewable energy source effective January 29, 2013.