

# STATE OF NEW HAMPSHIRE

## Inter-Department Communication

**DATE:** July 19, 2012

**AT (OFFICE):** NHPUC

**FROM:** Barbara Bernstein  
Sustainable Energy Analyst

**SUBJECT:** DE 12-198, Hydro Management Group, LLC's Request for the Bath Electric Power Company, Ammonoosuc River Dam Hydroelectric Project's Eligibility to Produce Class IV New Hampshire Renewable Energy Certificates (RECs) Pursuant to RSA 362-F and Laws of 2012, Chapter 0272  
**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 July 10, 2012, Hydro Management Group, LLC (Hydro Management) submitted an application requesting Class IV certification for the Bath Electric Power Company, Ammonoosuc River Dam Hydroelectric Project (Ammonoosuc River Dam) pursuant to RSA 362-F, New Hampshire's Renewable Portfolio Standard law and Laws of 2012, Chapter 0272. Staff has reviewed the Hydro Management certification request for the Ammonoosuc River Dam's 400 kilowatts (kW) 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 2505.02. Staff has determined that the application was complete as submitted and recommends Commission approval for the Ammonoosuc River Dam as a Class IV renewable energy source effective July 10, 2012.

### *Analysis*

Pursuant to Puc 2502.10, and Laws of 2012, Chapter 0272 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 applicant is Hydro Management Group LLC, c/o Essex Hydro Associates LLC, 55 Union Street, 4<sup>th</sup> Floor, Boston, MA 02108.
- 2) *The name and location of the facility:* The Ammonoosuc River Dam is located on the Ammonoosuc River in the Town of Bath, NH, approximately four miles above the confluence of the Ammonoosuc and Connecticut Rivers.
- 3) *The ISO-New England asset identification number (if available).* The facility's asset identification number is 824.
- 4) *The GIS facility code if available.* The NEPOOL GIS facility code has been verified as MSS 824.
- 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.*  
The project is operated as a run-of-river facility. The Ammonoosuc River Dam is an existing concrete gravity overflow structure constructed between three depressions in a ledge outcropping. The maximum height of the dam is 25 feet; the overall length of the dam is 365 feet. Flow is controlled by three penstock gates with lifting mechanisms and a bar rack. Generation equipment includes a 42 inch S. Morgan Smith turbine driving a 405 kW General Electric Generator. The Ammonoosuc River Dam began commercial operation August 01, 1928.
- 6) *(N/A – pertains to biomass sources).*
- 7) *All other necessary regulatory approvals, including any reviews, approvals or permits granted by the department.* A Notice of Exemption from Licensing (FERC Project Number 4609-000) was provided for the Ammonoosuc River Dam. No other regulatory approvals were submitted.
- 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 Bath Electric Power Company, dated January 1, 2008 was provided.
- 9) *(N/A – pertains to biomass sources).*
- 10) *A description of how the generation facility is connected to the distribution utility.*  
The Ammonoosuc River Dam is interconnected with the PSNH electric system in the Town of Bath.

- 11) *A statement as to whether the facility has been certified under another non-federal jurisdiction's renewable portfolio standard and proof thereof.* The Ammonoosuc River Dam is currently certified as an Existing Renewable Energy Resource in Rhode Island and as a Class II renewable energy resource in Maine.
- 12) *A statement as to whether the facility's output has been verified by ISO New England.* The facility has been verified by PSNH 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.* The facility is verified by ISO-New England.
- 14) *An affidavit by the owner attesting to the accuracy of the contents of the application.* An affidavit signed by Andrew Locke, Vice President, Hydro Management was provided with the application.
- 15) *The name and telephone number of the facility's operator, if different from the owner.* The facility operator is Ryan Vizona, Bath Electric Power Company; his telephone number is 603-747-2315.
- 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 Ammonoosuc River Dam application for Class IV certification and can affirm it is complete pursuant to N. H. Code Admin. Rule Puc 2500. Staff recommends that the Commission certify the Ammonoosuc River Dam hydroelectric facility as a Class IV renewable energy source effective July 10, 2012.