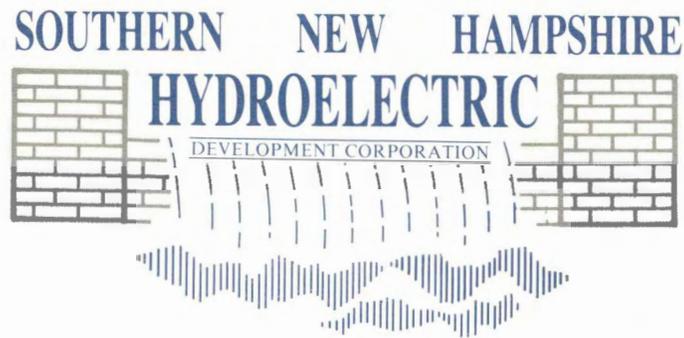


DE12-183



July 2, 2012

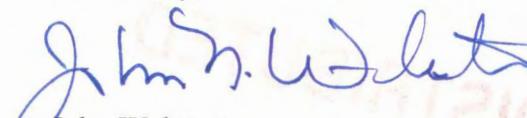
Debora A. Howland
Executive Director
New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301-2429

Re: Renewable Energy Source Eligibility for Class IV

Dear Director Howland:

This letter, along with my application, is my submission seeking certification as a Class IV source, for the Watson Hydroelectric Project. If you or any of your staff has any additional questions and/or comments, please feel free to contact me.

Yours truly,


John Webster



State of New Hampshire
Public Utilities Commission

21 S. Fruit Street, Suite 10, Concord, NH 03301-2429



APPLICATION FORM FOR
RENEWABLE ENERGY SOURCE ELIGIBILITY FOR CLASS IV

HYDRO SOURCES WITH A TOTAL NAMEPLATE CAPACITY OF ONE MEGAWATT OR LESS

Pursuant to New Hampshire Administrative Code Puc 2500 Rules, Puc 2505.02 Application Requirements
Laws of 2012, Chapter 0272

- Please submit one (1) original and two (2) paper copies of the completed application and cover letter to:

Debra A. Howland
Executive Director
New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301-2429

- Send an electronic version of the completed application and the cover letter electronically to executive.director@puc.nh.gov.

The cover letter must include complete contact information and clearly state that the applicant is seeking certification as a Class IV source. Pursuant to Chapter 362-F:11 I, the Commission is required to render a decision on an application within 45 days upon receiving a completed application.

If you have any questions please contact Barbara Bernstein at (603)271-6011 or Barbara.Bernstein@puc.nh.gov.

Please provide the following:

1. Applicant Name: WATSON ASSOCIATES
Mailing Address: P.O. Box 178
Town/City: SOUTH BERWICK State: ME Zip Code: 03908
Primary Contact: JOHN WEBSTER
Telephone: 207-384-5334 Cell: 207-468-5113 (BEST)
Email address: HYDROMAGNT@GWI.NET

2. Facility Name: WATSON DAM
(physical address) WATSON ROAD
Town/City: DOVER, N.H. State: NH Zip Code: 03820

If the facility does not have a physical address, the Latitude _____ & Longitude _____

(To qualify the electrical production for RECs, the facility must be registered with the NEPOOL – GIS).
Contact information for the GIS administrator follows:

James Webb, Registry Administrator, APX Environmental Markets
224 Airport Parkway, Suite 600, San Jose, CA 95110
Office: 408.517.2174, jwebb@apx.com

3. The facility's ISO-New England asset identification number, if available. MSS932
4. The facility's GIS facility code, if available. MSS932
5. A description of the facility including the following:
- 5.a. The gross nameplate capacity ~~250KW~~ 269KW
 - 5.b. The facility's initial commercial operation date 12/84
 - 5.c. The date the facility began operation, if different than the operation date N/A
 - 5.d. A complete description of the facility including related equipment

ONE VERTICAL FLYGT TURBINE/GENERATOR UNIT.
250 KW MAX. GENERATION USING 300 CFS WATER,
UNDER 12 FEET HEAD.

6. A copy of all necessary state and federal (FERC) regulatory approvals as **Attachment A**.
7. A copy of the title page of the Interconnection Agreement between the applicant and the distribution utility, the page(s) that identifies the nameplate capacity of the facility and the signature pages. *Please provide this information as Attachment B.*
8. A description of how the generation facility is connected to the distribution utility.

GENERATOR PRODUCES 480VOLT WHICH PASSES THROUGH
A PAD MOUNT 3 PHASE TRANSFORMER. THE TRANSFORMER

9. A statement as to whether the facility has been certified under another non-federal jurisdiction's renewable portfolio standard and proof thereof.

WATSON HAS QUALIFIED UNDER CONNECTICUT REC
PROGRAM, AS A CLASS II (TWO) FACILITY.

10. A statement as to whether the facility's output has been verified by ISO-New England.

YES THE FACILITY HAS BEEN VERIFIED BY P.S.C. N.H.
I DO NOT KNOW IF ISO-NE HAS VERIFIED THE
FACILITY

[Empty box]

11. An affidavit by the applicant attesting that the contents of the application are accurate. Use either the Affidavit at the bottom of this page, or provide a separate document as **Attachment C**.

12. The name and telephone number of the facility's operator, if different from the owner.

Facility Operator Name: JOHN WEBSTER

Phone: SAME AS ABOVE

13. Other pertinent information that you wish to include to assist in classification of the facility provide as **Attachment D**.

CHECK LIST: The following has been included to complete the application:	YES
• All contact information requested in the application.	X
• A copy of all necessary state and federal (FERC) regulatory approvals as Attachment A .	X
• A copy of the title page of the Interconnection Agreement between the applicant and the distribution utility, the page(s) that identifies the nameplate capacity of the facility and the signature pages as Attachment B .	X
• A signed and notarized attestation or Attachment C .	X
• A GIS number has been provided or has been requested.	
• Other pertinent information has been provided (if necessary) as Attachment D .	
• This document has been printed and notarized.	
• The original and two copies are included in the packet mailed to Debra Howland, Executive Director of the PUC.	
• An electronic version of the completed application has been sent to executive.director@puc.nh.gov .	

AFFIDAVIT

The Undersigned applicant declares under penalty of perjury that contents of this application are accurate.

Applicant's Signature John Webster Date 7-2-2012

Subscribed and sworn before me this 2nd Day of JULY (month) in the year 2012

County of YORK State of MAINE

Barbara Bennett
Notary Public/Justice of the Peace

My Commission Expires _____
Barbara Bennett
Notary Public - Maine
Commission Expires July 25, 2017

Attachment A

UNITED STATES OF AMERICA
FEDERAL ENERGY REGULATORY COMMISSION

John N. Webster

Project No. 6240-000

ORDER ISSUING LICENSE (MINOR)

(Issued September 8, 1983)

John N. Webster has filed an application for a license under Part of the Federal Power Act (Act) to construct, operate, and maintain the Watson Dam Project No. 6240. 1/ The project would be located on the Cocheco River in Strafford County, New Hampshire and would affect the interests of interstate or foreign commerce.

Public notice of the filing of the license application was given to interested Federal, State, and local agencies. No protests or motions to intervene have been received, and none of the agencies objected to issuance of the license.

Project Description

The applicant proposes to utilize the existing Watson Dam, a concrete gravity structure, 290 feet long and varying in height from 6 to 10 feet. The Applicant also proposes to construct a new powerhouse and to install two generating units with a total capacity of 182 kW and appurtenant facilities. The project's power would be sold to the Public Service Company of New Hampshire.

A more detailed project description is contained in ordering paragraph (B).

Authority to act on this matter is delegated to the Director, Office of Electric Power Regulation, under §375.308 of the Commission's regulations, 18 C.F.R. §375.308 (1982), FERC Statutes and Regulations §30,238. This order may be appealed to the Commission by any party within 30 days of its issuance pursuant to Rule 1902, 18 C.F.R. §385.1902, FERC Statutes and Regulations §29,052, 47 Fed. Reg. 19014 (1982). Filing an appeal and final Commission action on that appeal are prerequisites for filing an application for rehearing as provided in Section 313(a) of the Act. Filing an appeal does not operate as a stay of the effective date of this order or of any other date specified in this order, except as specifically directed by the Commission.

safety and Adequacy

Inspection of the project's facilities by the Commission's New York Regional Office staff revealed that they were in good operating condition with no conditions noted which threaten their stability or safety. The dam has been classified as having a low hazard potential.

It is concluded that the proposed project, under the conditions of this license, will be safe and adequate.

Fisheries Resources

The U.S. Department of the Interior (Interior) commented that adult American shad are stocked upstream of the project area, and adults and juveniles migrate downstream in the late summer and early fall. Interior recommended that downstream fish passage facilities be provided at the proposed project to transport shad past the powerhouse. Interior further recommended that a license not be issued until it has an opportunity to review the conceptual design drawings of downstream fish passage facilities.

Although there is a need for downstream fish passage facilities, no useful purpose would be served by delaying issuance of the license. Article 25 requires the Licensee to file with the Commission, for approval within 6 months from the date of issuance of this license, functional design drawings of downstream fish passage facilities developed in cooperation with the U.S. Fish and Wildlife Service and the New Hampshire Fish and Game Department.

Presently there is no need for upstream fish passage facilities, since a natural ledge about 1 mile below the project blocks upstream movement of shad. Should Atlantic salmon be restored to the Cocheco River, upstream fish passage facilities would be required. Article 11 contains provisions to require additional fish passage facilities when the need is determined.

Minimum Flow

Interior requested that a minimum flow of at least 83 cubic feet per second (cfs), or the inflow to the project area, whichever is less, be released from the project. The Applicant agreed to release 83 cfs from the project to protect aquatic resources of the Cocheco River. Article 26 requires the Licensee to release a continuous minimum flow of 83 cfs. 2/

2/ The State of New Hampshire Water Supply and Pollution Control Commission has issued a water quality certificate for the Watson Dam Project No. 6240 in accordance with Section 401 of the Federal Water Pollution Control Act.

Recreational Resources

Interior recommended that any license issued should contain an article to provide for public access except where personal safety would be jeopardized. The Applicant has proposed in the application to provide public access for fishing, except in the immediate area of the dam, where the intake would be fenced to protect the public. Article 13 requires Licensee to provide for public access at the project.

Historic and Archeological Resources

The State Historic Preservation Officer commented that the project would have no effect upon known historic, cultural or archeological resources. Article 27 provides protection of any cultural resources that may be discovered during the proposed or future construction at the project.

Aesthetics

Interior commented that the project is located in a reach of the Cocheco River that has been identified as a potential wild and scenic river, and requested that the Applicant use techniques such as siting, architecture, and vegetative screening to lessen the visual and audible impacts of the powerhouse. Article 28 requires the Licensee to implement measures to enhance aesthetic resources at the powerhouse site. Article 29 requires the Licensee to continue to consult with appropriate agencies for the protection and development of the environmental resources and values of the project area.

Other Environmental Considerations

The project would result in increases in noise levels, exhaust emissions, dust from construction activities, and sedimentation and erosion from disturbance of the streambed and land surfaces.

No federally listed threatened or endangered species would be affected by the proposed project.

On the basis of the record including agency comments and our staff's independent analysis, it is concluded that issuance of a license for the project as conditioned would not constitute a major Federal action significantly affecting the quality of the human environment.

Economic Feasibility

The project would generate 802,500 kilowatt-hours (KWh) of energy annually. 3/ Staff analyses indicates that the project is economically feasible based on sale of project power at the avoided cost in the State of New Hampshire adjusted for escalation.

Other Aspects of Comprehensive Development

The project will make good use of the flow and fall of the Cocheco River and is not in conflict with any planned or potential development. It is concluded that under present conditions and upon compliance with the terms and conditions of this license, the project will be best adapted to the comprehensive development of the Cocheco River for beneficial purposes.

License Term

The proposed development of this project using an existing dam is similar to relicensing an existing licensed project at which a moderate amount of new development is proposed; therefore consistent with the Commission's policy a 40-year license term is reasonable in this instance. 4/

It is ordered that:

(A) This license is issued to John N. Webster (Licensee), of Dover, New Hampshire, under Part I of the Federal Power Act (Act), for a period of 40 years, effective the first day of the month in which this order is issued, for the construction, operation, and maintenance of the Watson Dam Project No. 6240, located in Strafford County, New Hampshire, on the Cocheco River, and affecting the interests of interstate or foreign commerce. This license is subject to the terms and conditions of the Act, which is incorporated by reference as part of this license, and subject to the regulations the Commission issues under the provisions of the Act.

3/ The proposed project will utilize a renewable resources that will save the equivalent of approximately 980 barrels of oil or 275 tons of coal per year.

4/ See The Village of Lyndonville Electric Department, Project No. 2938, Order Issuing License (Minor), issued June 29, 1979.

(B) The Watson Dam Project No. 6240 consists of:

(1) All lands, to the extent of the Licensee's interests in those lands, constituting the project area and enclosed by the project boundary. The project area and boundary are shown and described by certain exhibits that form part of the application for license and that are designated and described as:

Exhibit A - Sections 1 through 5 of the application filed on April 21, 1982.

<u>Exhibit</u>	<u>FERC No. 6240-</u>	<u>Showing</u>
G	3	Project Location

(2) Project works consisting of: (1) a concrete gravity dam, varying in height from 6 feet to 10 feet and 290 feet long; (2) a reservoir having a storage capacity of 236 acre-feet, a surface area of 54 acres, and a normal water surface elevation of 119 feet m.s.l.; (3) a powerhouse containing two generating units having a total capacity of 182 kW; (4) a tailrace; (5) generator leads; and (6) appurtenant facilities.

The location, nature, and character of these project works are generally shown and described by the exhibits cited above and more specifically shown and described by certain other exhibits that also form a part of the application for license and that are designated and described as:

<u>Exhibit</u>	<u>FERC No. 6240-</u>	<u>Showing</u>
F	1	Project Drawing
F	2	Project Drawing

(3) All of the structures, fixtures, equipment, or facilities used or useful in the operation or maintenance of the project and located within the project boundary, all portable property that may be employed in connection with the project, located within or outside the project boundary, as approved by the Commission, and all riparian or other rights that are necessary or appropriate in the operation or maintenance of the project.

(C) Exhibits A, F and G, designated in ordering paragraph (B) above, are approved and made a part of the license.

(D) Pursuant to Section 10(i) of the Act, it is in the public interest to waive the following Sections of Part I of the Act, and they are excluded from the license:

Section 4(b), except the second sentence; 4(e), insofar as it relates to approval of plans by the Chief of Engineers and the Secretary of the Army; 6, insofar as it relates to public notice and to the acceptance and expression in the license of terms and conditions of the Act that are waived here; 10(c), insofar as it relates to depreciation reserves; 10(d); 10(f); 14, except insofar as the power of condemnation is reserved; 15; 16; 19; 20; and 22.

(E) This license is also subject to Articles 1 through 18 except Article 15 set forth in Form L-15, (revised October, 1975), entitled "Terms and Conditions of License for Unconstructed Minor Project Affecting the Interests of Interstate or Foreign Commerce," attached to and made a part of this license. The license is also subject to the following additional articles:

Article 19. The Licensee shall clear and keep clear to an adequate width lands along open conduits and shall dispose of all temporary structures, unused timber, brush, refuse, or other material unnecessary for the purposes of the project which results from clearing of lands or from the maintenance or alteration of the project works. In addition all trees along the periphery of project reservoirs which may die during operation of the project shall be removed. All clearing of the lands and disposal of the unnecessary material shall be done with due diligence and to the satisfaction of the authorized representative of the Commission and in accordance with appropriate Federal, State, and local statutes and regulations.

Article 20. The Licensee shall pay the United States the following annual charge, effective the first day of the month in which this license is issued:

- (a) For the purpose of reimbursing the United States for the cost of administration of Part I of the Act, a reasonable amount as determined in accordance with the provisions of the Commission's regulations in effect from time to time. The authorized installed capacity for that purpose is 240 horsepower.

Article 21. The Licensee shall commence the construction of the project within one year of the date of issuance of the license, and shall complete construction within three years from the date of issuance of the license.

Article 22. The Licensee shall review and approve the design of contractor-designed cofferdams and deep excavations prior to the start of construction and shall ensure that construction of cofferdams and deep excavations are consistent with the approved design. At least 30 days prior to start of construction of the

cofferdam the Licensee shall file with the Commission's Regional Engineer and Director, Office of Electric Power Regulation, one copy of the approved cofferdam construction drawings and specifications and a copy of the letter(s) of approval.

Article 23. The Licensee shall file with the Commission's Regional Engineer and the Director, Office of Electric Power Regulation, one copy each of the contract drawings and specifications for pertinent features of the project such as water retention structures, powerhouse and water conveyance structures, at least 60 days prior to start of construction. The Director, Office of Electric Power Regulation may require changes to the plans and specifications to ensure a safe and adequate project.

Article 24. The Licensee shall within 90 days of completion of construction, file for approval of the Director, Office of Electric Power Regulation revised Exhibits A and F to describe and show the project as-built.

Article 25. The Licensee shall, within 6 months following issuance of this license, file for Commission approval functional design drawings of downstream fish passage facilities for the Watson Dam Project, prepared in consultation with the U.S. Fish and Wildlife Service and the New Hampshire Fish and Game Department. Agency comments on the proposed fish passage design shall be included in the filing. Within 6 months after completion of construction of the fish passage facilities, Licensee shall file as-built drawings with the Commission.

Article 26. The Licensee shall discharge from the Watson Dam Project, a continuous minimum flow of 83 cubic feet per second or the inflow of the reservoir, whichever is less, for the purpose of protecting and enhancing aquatic resources in the Cocheco River. These flows may be temporarily modified if required by operating emergencies beyond the control of the Licensee, and for short periods for fishery management purposes upon mutual agreement between the Licensee and the New Hampshire Fish and Game Department.

Article 27. The Licensee shall, prior to the commencement of any future construction at the project, consult with the New Hampshire State Historic Preservation Officer (SHPO) about the need for any cultural resource survey and salvage work. The Licensee shall make available funds in a reasonable amount for any such work as required. If any previously unrecorded archeological or historical sites are discovered during the course of construction or development of any project works or other facilities at the project, construction activity in the vicinity shall be halted, a qualified archeologist shall be consulted to determine the significance of the sites, and the Licensee shall consult with the SHPO to develop a mitigation

plan for the protection of significant archeological or historic resources. If the Licensee and the SHPO cannot agree on the amount of money to be expended on archeological or historic work related to the project, the Commission reserves the right to require the Licensee to conduct, at its own expense, any such work found necessary.

Article 28. The Licensee shall file with the Commission, within 6 months of issuance of the license, proposed mitigative measures to preserve and enhance aesthetic and related resources during construction and operation of project facilities. These measures shall include, but not be limited to, architectural design, landscaping, and other reasonable treatment to ensure that any proposed project works blend, to the extent possible, with the surrounding environment and these measures should be developed in consultation with the U.S. Department of the Interior.

Article 29. The Licensee shall continue to consult and cooperate with appropriate Federal, State and other natural resource agencies for the protection and development of the environmental resources and values of the project area. The Commission reserves the right to require changes in the project works or operations that may be necessary to protect and enhance those resources and values.

Article 30. (a) In accordance with the provisions of this article, the Licensee shall have the authority to grant permission for certain types of use and occupancy of project lands and waters and to convey certain interests in project lands and waters for certain other types of use and occupancy, without prior Commission approval. The Licensee may exercise the authority only if the proposed use and occupancy is consistent with the purposes of protecting and enhancing the scenic, recreational, and other environmental values of the project. For those purposes, the Licensee shall also have continuing responsibility to supervise and control the uses and occupancies for which it grants permission, and to monitor the use of, and ensure compliance with the covenants of the instrument of conveyance for, any interests that it has conveyed, under this article. If a permitted use and occupancy violates any condition of this article or any other condition imposed by the Licensee for protection and enhancement of the project's scenic, recreational, or other environmental values, or if a covenant of a conveyance made under the authority of this article is violated, the Licensee shall take any lawful action necessary to correct the violation. For a permitted use or occupancy, that action includes, if necessary, cancelling the permission to use and occupy the project lands and waters and requiring the removal of any non-complying structures and facilities.

(b) The types of use and occupancy of project lands and waters for which the Licensee may grant permission without prior Commission approval are: (1) landscape plantings; (2) non-commercial piers, landings, boat docks, or similar structures and facilities that can accommodate no more than 10 watercraft at a time where said facility is intended to serve single-family type dwellings; and (3) embankments, bulkheads, retaining walls, or similar structures for erosion control to protect the existing shoreline. To the extent feasible and desirable to protect and enhance the project's scenic, recreational, and other environmental values, the Licensee shall require multiple use and occupancy of facilities for access to project lands or waters. The Licensee shall also ensure, to the satisfaction of the Commission's authorized representative, that the uses and occupancies for which it grants permission are maintained in good repair and comply with applicable State and local health and safety requirements. Before granting permission for construction of bulkheads or retaining walls, the Licensee shall: (1) inspect the site of the proposed construction, (2) consider whether the planting of vegetation or the use of riprap would be adequate to control erosion at the site, and (3) determine that the proposed construction is needed and would not change the basic contour of the reservoir shoreline. To implement this paragraph (b), the Licensee may, among other things, establish a program for issuing permits for the specified types of use and occupancy of project lands and waters, which may be subject to the payment of a reasonable fee to cover the Licensee's costs of administering the permit program. The Commission reserves the right to require the Licensee to file a description of its standards, guidelines, and procedures for implementing this paragraph (b) and to require modification of those standards, guidelines, or procedures.

(c) The Licensee may convey easements or rights-of-way across, or leases of, project lands for: (1) replacement, expansion, realignment, or maintenance of bridges and roads for which all necessary State and Federal approvals have been obtained; (2) storm drains and water mains; (3) sewers that do not discharge into project waters; (4) minor access roads; (5) telephone, gas, and electric utility distribution lines; (6) non-project overhead electric transmission lines that do not require erection of support structures within the project boundary; (7) submarine, overhead, or underground major telephone distribution cables or major electric distribution lines (69-kV or less); and (8) water intake or pumping facilities that do not extract more than one million gallons per day from a project reservoir. No later than January 31 of each year, the Licensee shall file three copies of a report briefly describing for each conveyance made under this paragraph (c) during the prior calendar year, the type of interest conveyed, the location of the lands subject to the conveyance, and the nature of the use for which the interest was conveyed.

(d) The Licensee may convey fee titles to, easements or rights-of-way across, or leases of project lands for: (1) construction of new bridges or roads for which all necessary State and Federal approvals have been obtained; (2) sewer or effluent lines that discharge into project waters, for which all necessary Federal and State water quality certificates or permits have been obtained; (3) other pipelines that cross project lands or waters but do not discharge into project waters; (4) non-project overhead electric transmission lines that require erection of support structures within the project boundary, for which all necessary Federal and State approvals have been obtained; (5) private or public marinas that can accommodate no more than 10 watercraft at a time and are located at least one-half mile from any other private or public marina; (6) recreational development consistent with an approved Exhibit R or approved report on recreational resources of an Exhibit E; and (7) other uses, if: (i) the amount of land conveyed for a particular use is five acres or less; (ii) all of the land conveyed is located at least 75 feet, measured horizontally, from the edge of the project reservoir at normal maximum surface elevation; and (iii) no more than 50 total acres of project lands for each project development are conveyed under this clause (d)(7) in any calendar year. At least 45 days before conveying any interest in project lands under this paragraph (d), the Licensee must file a letter to the Director, Office of Electric Power Regulation, stating its intent to convey the interest and briefly describing the type of interest and location of the lands to be conveyed (a marked Exhibit G or K map may be used), the nature of the proposed use, the identity of any Federal or State agency official consulted, and any Federal or State approvals required for the proposed use. Unless the Director, within 45 days from the filing date, requires the Licensee to file an application for prior approval, the Licensee may convey the intended interest at the end of that period.

(e) The following additional conditions apply to any intended conveyance under paragraphs (c) or (d) of this article:

(1) Before conveying the interest, the Licensee shall consult with Federal and State fish and wildlife or recreation agencies, as appropriate, and the State Historic Preservation Officer.

(2) Before conveying the interest, the Licensee shall determine that the proposed use of the lands to be conveyed is not inconsistent with any approved Exhibit R or approved report on recreational resources of an Exhibit E; or, if the project does not have an approved Exhibit R or approved report on recreational resources, that the lands to be conveyed do not have recreational value.

(3) The instrument of conveyance must include covenants running with the land adequate to ensure that: (i) the use of the lands conveyed shall not endanger health, create a nuisance, or otherwise be incompatible with overall project recreational use; and (ii) the grantee shall take all reasonable precautions to ensure that the construction, operation, and maintenance of structures or facilities on the conveyed lands will occur in a manner that will protect the scenic, recreational, and environmental values of the project.

(4) The Commission reserves the right to require the Licensee to take reasonable remedial action to correct any violation of the terms and conditions of this article, for the protection and enhancement of the project's scenic, recreational, and other environmental values.

(f) The conveyance of an interest in project lands under this article does not in itself change the project boundaries. The project boundaries may be changed to exclude land conveyed under this article only upon approval of revised Exhibit G or K drawings (project boundary maps) reflecting exclusion of that land. Lands conveyed under this article will be excluded from the project only upon a determination that the lands are not necessary for project purposes, such as operation and maintenance, flowage, recreation, public access, protection of environmental resources, and shoreline control, including shoreline aesthetic values. Absent extraordinary circumstances, proposals to exclude lands conveyed under this article from the project shall be consolidated for consideration when revised Exhibit G or K drawings would be filed for approval for other purposes.

(F) The Licensee's failure to file a petition appealing this order to the Commission shall constitute acceptance of this license. In acknowledgment of acceptance of this order and its terms and conditions, it shall be signed by the Licensee and returned to the Commission within 60 days from the date this order is issued.

Lawrence R. Anderson
Director, Office of Electric
Power Regulation

Project No. 6240-000

TESTIMONY of his acknowledgment of acceptance of all of the terms and conditions of this order, John N. Webster, this 19 day of September, 1983, has caused his name to be signed hereto.

By John N. Webster
John N. Webster

Attest:

Devin Morrison
Notary

(Executed in quadruplicate)

Attachment B



Public Service of New Hampshire

November 26, 1985

Mr. John N. Webster
P.O. Box 1073
Dover, NH 03820

Subject: Watson Dam Hydro (#124)

Dear John:

Enclosed is your copy of Attachment A to our Interconnection Agreement dated October 25, 1984. Please check this Attachment to be sure it agrees with the New Hampshire Public Utilities Commissions ordered rates in DR 84-331.

Also enclosed are two copies of Attachment B. Please date, sign and return both Addendum to this office.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'J.E. Lyons', is written over a faint, larger version of the same signature.

John E. Lyons, P.E.
Director

Supplemental Energy Sources

JEL:RVP/dfd

cc: R. S. Johnson
D. C. Shepard
M. L. Swist

Enclosures

"ATTACHMENT B"
Interconnection Agreement
Watson Associates - PSNH
Dated: October 25, 1984

PSNH INTERCONNECTION REPORT FOR
CUSTOMER GENERATION

WATSON DAM HYDRO

SESD SITE NO. 124

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I. INTRODUCTION

A study has been performed to determine the impact of this proposed facility on the PSNH system. All technical analysis was based on the equipment listed under Section II, and the facility arrangement illustrated on partial one-line diagram SK-PAM-124-1. Where actual site-specific data was not readily available, estimated or "typical" values were utilized in any required calculations. Any deviation from the listed equipment of the illustrated configuration may have significant safety and/or technical ramifications. Consequently, if changes are anticipated now or in the future, PSNH should be informed immediately so that the requirements and recommendations contained within the report may be revised where necessary. This procedure will ensure that the Developer is informed of PSNH requirements in a timely fashion and should eliminate the delays and expense which could otherwise be experienced by the Developer.

II. DESCRIPTION OF MAJOR COMPONENTS

A. Description Of Facilities

Watson Dam Hydro is located in Dover, N.H. on the Cocheco River at NHWRB dam number 67.02. It consists of a vertical axis turbine with variable pitch blades driving a vertical axis induction generator. Water is admitted to the turbine via a hydraulically-controlled cylinder gate. Power is delivered to and station service is taken from PSNH 12.47 kV line 32W2.

The salient electrical features of this facility are shown on partial one line diagram SK-PAM-124-1 in section VII.A.

B. Mechanical Components

1. Turbine - FLYGT Model EL7650
2. Actuator - Rodney Hunt Hydraulic

C. Electrical Components

1. Generator - FLYGT induction model 51-56-8, 269 KW, 915 RPM, 3 phase, 60 Hz, 480 volts, 360A, .95 PF.
2. Circuit Breaker - Westinghouse "SELTRONIC" 800A frame, 600A trip, type MCA 3800 F
3. Generator Contactor - Allen Bradley type 509-GOB, Size 6 starter with Westinghouse MOR-1 overload device
4. Capacitor Contactor - Allen Bradley type 500L-DOB-93

5. Generator Stepup Transformer - 500 kVA, 12470 GRD
Y/7200-480Y/277
6. Power Factor Correction Capacitors - 50 kVAR, 480V
7. 15 kV, Gang Operated, three-phase, fused disconnect switch

III. PSNH REQUIREMENTS - GENERAL

A. Safety Considerations

1. The connection of the facility to the PSNH system must not compromise the safety of PSNH's customers, personnel, or the owner's personnel.
2. The generating facility must not have the capability of energizing a de-energized PSNH circuit.
3. An emergency shutdown switch with facility status indicator lights, and a disconnecting device with a visible open shall be made available for unrestricted use by PSNH personnel. The operation of the switch shall cause all of the facility's generation to be removed from service, and shall block all automatic startup of generation until the switch is reset. The status lights, mounted with the shutdown switch, shall be located outdoors at a position acceptable to PSNH operating division personnel. A red light shall indicate that the facility has generation connected to the PSNH system. A green light shall indicate that all generation is disconnected from the PSNH system. The lights shall be driven directly from auxiliary switches located on the facility's generator circuit breaker(s). The disconnecting device with visible open shall be located between the PSNH system and the facility's generation.
4. The settings for all protective relays required by PSNH will be developed by PSNH at the Developer's expense.
5. A crew of PSNH relay technicians will apply settings to and verify the proper functioning of those protective systems required by PSNH. This work will be performed at the Developer's expense.
6. The generating facility has full responsibility for ensuring that the protective system and the associated devices are maintained in reliable operating condition. PSNH reserves the right to inspect and test all protective equipment at the interconnecting point whenever it is considered necessary. This inspection may include tripping of the breakers.
7. The short circuit interrupting device(s) must have sufficient interrupting capacity for all faults that might exist. The PSNH system impedance at the facility will be supplied on request.