RIPUC Use Only	
Date Application Received:	__ __ / __ __ / __ __
Date Review Completed:	__ __ / __ __ / __ __
Date Commission Action:	__ __ / __ __ / __ __
Date Commission Approved:	__ __ / __ __ / __ __

GIS Certification #:

_____

RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM

The Standard Application Form
Required of all Applicants for Certification of Eligibility of Renewable Energy Resource
(Version 5 – January 5, 2007)

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION
Pursuant to the Renewable Energy Act
Section 39-26-1 et. seq. of the General Laws of Rhode Island

NOTICE:
When completing this Renewable Energy Resources Eligibility Form and any applicable Appendices, please refer to the State of Rhode Island and Providence Plantations Public Utilities Commission Rules and Regulations Governing the Implementation of a Renewable Energy Standard (RES Regulations, Effective Date: January 1, 2006), and the associated RES Certification Filing Methodology Guide. All applicable regulations, procedures and guidelines are available on the Commission's web site: www.ripuc.org/utilityinfo/res.html. Also, all filings must be in conformance with the Commission's Rules of Practice and Procedure, in particular, Rule 1.5, or its successor regulation, entitled "Formal Requirements as to Filings."

• Please complete the Renewable Energy Resources Eligibility Form and Appendices using a typewriter or black ink.

• Please submit one original and three copies of the completed Application Form, applicable Appendices and all supporting documentation to the Commission at the following address:

Rhode Island Public Utilities Commission
89 Jefferson Blvd
Warwick, RI 02888
Attn: Renewable Energy Resources Eligibility

In addition to the paper copies, electronic/email submittals are required under Commission regulations. Such electronic submittals should be sent to: Luly E. Massaro, Commission Clerk at lmassaro@puc.state.ri.us

• In addition to filing with the Commission, Applicants are required to send, electronically or electronically and in paper format, a copy of the completed Application including all attachments and supporting documentation, to the Division of Public Utilities and Carriers and to all interested parties. A list of interested parties can be obtained from the Commission's website at www.ripuc.org/utilityinfo/res.html.

• Keep a copy of the completed Application for your records.

• The Commission will notify the Authorized Representative if the Application is incomplete.

• Pursuant to Section 6.0 of the RES Regulations, the Commission shall provide a thirty (30) day period for public comment following posting of any administratively complete Application.

• Please note that all information submitted on or attached to the Application is considered to be a public record unless the Commission agrees to deem some portion of the application confidential after consideration under section 1.2(g) of the Commission's Rules of Practice and Procedure.

• In accordance with Section 6.2 of the RES Regulations, the Commission will provide prospective reviews for Applicants seeking a preliminary determination as to whether a facility would be eligible prior to the formal certification process described in Section 6.1 of the RES Regulations. Please note that space is provided on the Form for applicant to designate the type of review being requested.

• Questions related to this Renewable Energy Resources Eligibility Form should be submitted in writing, preferably via email and directed to: Luly E. Massaro, Commission Clerk at lmassaro@puc.state.ri.us

SECTION I: Identification Information

1.1 Name of Generation Unit (sufficient for full and unique identification):
Pioneer Hydro Electric Co., Inc._____

1.2 Type of Certification being requested (check one):

❑ Standard Certification **X** Prospective Certification (Declaratory Judgment)

1.3 This Application includes: (Check all that apply)[1]

- ❑ APPENDIX A: Authorized Representative Certification for Individual Owner or Operator
- ❑ APPENDIX B: Authorized Representative Certification for Non-Corporate Entities Other Than Individuals
- **X** APPENDIX C: Existing Renewable Energy Resources (**ATTACHED)**
- ❑ APPENDIX D: Special Provisions for Aggregators of Customer-sited or Off-grid Generation Facilities
- ❑ APPENDIX E: Special Provisions for a Generation Unit Located in a Control Area Adjacent to NEPOOL
- ❑ APPENDIX F: Fuel Source Plan for Eligible Biomass Fuels

1.4 Primary Contact Person name and title: __Lucas W. Wright, CEO and Treasurer_____
_____

1.5 Primary Contact Person address and contact information:
Address: PO Box 512, Allen Drive, Barre, MA 01005_____
_____
_____
Phone: _978-355-4575_____ Fax: _978-355-4576_____
Email: _wareriverpower@aol.com_____

1.6 Backup Contact Person name and title: _Claudio Santoro, Executive Assistant_____
_____

1.7 Backup Contact Person address and contact information:
Address: _PO Box 512, Allen Drive, Barre, MA 01005_____
_____
_____
Phone: _978-355-4575_____ Fax: _978-355-4576_____
Email: _santoro@som.umass.edu_____

[1] Please note that all Applicants are required to complete the Renewable Energy Resources Eligibility Standard Application Form and all of the Appendices that apply to the Generation Unit or Owner or Operator that is the subject of this Form. Please omit Appendices that do not apply.

1.8 Name and Title of Authorized Representative (*i.e.*, the individual responsible for certifying the accuracy of all information contained in this form and associated appendices, and whose signature will appear on the application): _Lucas W. Wright, CEO and Treasurer, Ware River Power

_____

Appendix A or B (as appropriate) completed and attached? ❑ Yes ❑ No **X** N/A

1.9 Authorized Representative address and contact information:
Address: _PO Box 512, Allen Drive, Barre, MA, 01005_____
_____
_____
Phone: _978-355-4575_____ Fax: _978-355-4576_____
Email: _wareriverpower@aol.com_____

1.10 Owner name and title: _Lucas W. Wright, CEO and Treasurer_____
_____

1.11 Owner address and contact information:
Address: _PO Box 512, Allen Drive, Barre, MA, 01005_____
_____
_____
Phone: _978-355-4575_____ Fax: _978-355-4576_____
Email: _wareriverpower@aol.com_____

1.12 Owner business organization type (check one):
- ❑ Individual
- ❑ Partnership
- **X** Corporation
- ❑ Other: _____

1.13 Operator name and title: _Ware River Power Inc., Lucas W. Wright, CEO and Treasurer

1.14 Operator address and contact information:
Address: _PO Box 512, Allen Drive, Barre, MA, 01005_____
_____
_____
Phone: _978-355-4575_____ Fax: _978-355-4576_____
Email: _wareriverpower@aol.com_____

1.15 Operator business organization type (check one):
- ❑ Individual
- ❑ Partnership
- **X** Corporation
- ❑ Other: _____

SECTION II: Generation Unit Information, Fuels, Energy Resources and Technologies

2.1 ISO-NE Generation Unit Asset Identification Number or NEPOOL GIS Identification Number (either or both as applicable): _Unit ID #1048_____

2.2 Generation Unit Nameplate Capacity: _1.46_____ MW

2.3 Maximum Demonstrated Capacity: _1.6____ MW

2.4 Please indicate which of the following Eligible Renewable Energy Resources are used by the Generation Unit: (Check ALL that apply) – *per RES Regulations Section 5.0*

- ❑ Direct solar radiation
- ❑ The wind
- ❑ Movement of or the latent heat of the ocean
- ❑ The heat of the earth
- **X** Small hydro facilities
- ❑ Biomass facilities using Eligible Biomass Fuels and maintaining compliance with all aspects of current air permits; Eligible Biomass Fuels may be co-fired with fossil fuels, provided that only the renewable energy fraction of production from multi-fuel facilities shall be considered eligible.
- ❑ Biomass facilities using unlisted biomass fuel
- ❑ Biomass facilities, multi-fueled or using fossil fuel co-firing
- ❑ Fuel cells using a renewable resource referenced in this section

2.5 If the box checked in Section 2.4 above is "Small hydro facilities", please certify that the facility's aggregate capacity does not exceed 30 MW. – *per RES Regulations Section 3.31*

X ← check this box to certify that the above statement is true

❑ N/A or other (please explain) _____

_____

2.6 If the box checked in Section 2.4 above is "Small hydro facilities", please certify that the facility does not involve any new impoundment or diversion of water with an average salinity of twenty (20) parts per thousand or less. – *per RES Regulations Section 3.31*

X ← check this box to certify that the above statement is true

❑ N/A or other (please explain) _____

_____

2.7 If you checked one of the Biomass facilities boxes in Section 2.1 above, please respond to the following:

A. Please specify the fuel or fuels used or to be used in the Unit: _____

_____

B. Please complete and attach Appendix F, Eligible Biomass Fuel Source Plan.

Appendix F completed and attached? ❑ Yes ❑ No **X** N/A

2.8 Has the Generation Unit been certified as a Renewable Energy Resource for eligibility in another state's renewable portfolio standard?

❑ Yes **X** No If yes, please attach a copy of that state's certifying order.

Copy of State's certifying order attached? ❑ Yes ❑ No **X** N/A

SECTION III: Commercial Operation Date

Please provide documentation to support all claims and responses to the following questions:

3.1 Date Generation Unit first entered Commercial Operation: _0 1_ / _0 _1 / _8 2_ at the site.

3.2 Is there an Existing Renewable Energy Resource located at the site of Generation Unit?

X Yes
❑ No

3.3 If the date entered in response to question 3.1 is earlier than December 31, 1997 or if you checked "Yes" in response to question 3.2 above, please complete Appendix C.

Appendix C completed and attached? **X** Yes ❑ No ❑ N/A

3.4 Was all or any part of the Generation Unit used on or before December 31, 1997 to generate electricity at any other site?

❑ Yes
X No

3.5 If you checked "Yes" to question 3.4 above, please specify the power production equipment used and the address where such power production equipment produced electricity (attach more detail if the space provided is not sufficient):

_____

_____

_____

SECTION IV: Metering

4.1 Please indicate how the Generation Unit's electrical energy output is verified (check all that apply):

X ISO-NE Market Settlement System
❑ Self-reported to the NEPOOL GIS Administrator
❑ Other (please specify below and see Appendix D: Eligibility for Aggregations):

_____

Appendix D completed and attached? ❑ Yes ❑ No **X** N/A

SECTION V: Location

5.1 Please check one of the following that apply to the Generation Unit:

- **X** Grid Connected Generation
- ❑ Off-Grid Generation (not connected to a utility transmission or distribution system)
- ❑ Customer Sited Generation (interconnected on the end-use customer side of the retail electricity meter in such a manner that it displaces all or part of the metered consumption of the end-use customer)

5.2 Generation Unit address: _Ware Mill Yard, Ware, MA, 01082_____
_____
_____
_____

5.3 Please provide the Generation Unit's geographic location information:

A. Universal Transverse Mercator Coordinates: _____

B. Longitude/Latitude: _42.259____ /_-72.236____

5.4 The Generation Unit located: (please check the appropriate box)

- **X** In the NEPOOL control area
- ❑ In a control area adjacent to the NEPOOL control area
- ❑ In a control area other than NEPOOL which is not adjacent to the NEPOOL control area ← *If you checked this box, then the generator does not qualify for the RI RES – therefore, please do not complete/submit this form.*

5.5 If you checked "In a control area adjacent to the NEPOOL control area" in Section 5.4 above, please complete Appendix E.

Appendix E completed and attached? ❑ Yes ❑ No **X** N/A

SECTION VI: Certification

6.1 Please attach documentation, using one of the applicable forms below, demonstrating the authority of the Authorized Representative indicated in Section 1.8 to certify and submit this Application.

Corporations

If the Owner or Operator is a corporation, the Authorized Representative shall provide **either**:

(a) Evidence of a board of directors vote granting authority to the Authorized Representative to execute the Renewable Energy Resources Eligibility Form, **or**

(b) A certification from the Corporate Clerk or Secretary of the Corporation that the Authorized Representative is authorized to execute the Renewable Energy Resources Eligibility Form or is otherwise authorized to legally bind the corporation in like matters.

Evidence of Board Vote provided? ❑ Yes **X** No ❑ N/A

Corporate Certification provided? **X** Yes ❑ No ❑ N/A

Individuals

If the Owner or Operator is an individual, that individual shall complete and attach APPENDIX A, or a similar form of certification from the Owner or Operator, duly notarized, that certifies that the Authorized Representative has authority to execute the Renewable Energy Resources Eligibility Form.

Appendix A completed and attached? ❑ Yes ❑ No **X** N/A

Non-Corporate Entities

(Proprietorships, Partnerships, Cooperatives, etc.) If the Owner or Operator is not an individual or a corporation, it shall complete and attach APPENDIX B or execute a resolution indicating that the Authorized Representative named in Section 1.8 has authority to execute the Renewable Energy Resources Eligibility Form or to otherwise legally bind the non-corporate entity in like matters.

Appendix B completed and attached? ❑ Yes ❑ No **X** N/A

6.2 Authorized Representative Certification and Signature:

I hereby certify, under pains and penalties of perjury, that I have personally examined and am familiar with the information submitted herein and based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties, both civil and criminal, for submitting false information, including possible fines and punishment. My signature below certifies all information submitted on this Renewable Energy Resources Eligibility Form. The Renewable Energy Resources Eligibility Form includes the Standard Application Form and all required Appendices and attachments. I acknowledge that the Generation Unit is obligated to and will notify the Commission promptly in the event of a change in a generator's eligibility status (including, without limitation, the status of the air permits) and that when and if, in the Commission's opinion, after due consideration, there is a material change in the characteristics of a Generation Unit or its fuel stream that could alter its eligibility, such Generation Unit must be re-certified in accordance with Section 9.0 of the RES Regulations. I further acknowledge that the Generation Unit is obligated to and will file such quarterly or other reports as required by the Regulations and the Commission in its certification order. I understand that the Generation Unit will be immediately de-certified if it fails to file such reports.

Signature of Authorized Representative:

SIGNATURE: DATE:

_____ _____

_____

(Title)

GIS Certification #:
— — — —

APPENDIX A
(Required When Owner or Operator is An Individual)

STATE OF RHODE ISLAND
PUBLIC UTILITIES COMMISION

RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM
Pursuant to the Renewable Energy Act
Section 39-26-1 et. seq. of the General Laws of Rhode Island

I, _____, as Owner or Operator of the Generation Unit named in Section 1.1 of the attached Renewable Energy Resources Eligibility Form, under the pains and penalties of perjury, hereby certify that _____, named in Section 1.8 of the attached Application, is authorized to execute this Renewable Energy Resource Eligibility Form.

SIGNATURE: DATE:

_____ _____

_____
(Title)

State: _____

County: _____

(TO BE COMPLETED BY NOTARY) I, _____ as a notary public, certify that I witnessed the signature of the above named _____, and said individual verified his/her identity to me on this date: _____.

SIGNATURE:
_____

My commission expires on: _____ NOTARY SEAL:

GIS Certification #:
__ __ __ __

APPENDIX B
(Required When Owner or Operator is a Non-Corporate Entity Other Than An Individual)

STATE OF RHODE ISLAND
PUBLIC UTILITIES COMMISION

RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM
Pursuant to the Renewable Energy Act
Section 39-26-1 et. seq. of the General Laws of Rhode Island

RESOLUTION OF AUTHORIZATION

Resolved: that _____, named in Section 1.8 of the Renewable Energy Resources Eligibility Form as Authorized Representative, is authorized to execute the Application on the behalf of _____, the Owner or Operator of the Generation Unit named in section 1.1 of the Application.

SIGNATURE: DATE:

_____ _____

_____

_____

State: _____

County: _____

(TO BE COMPLETED BY NOTARY) I, _____ as a notary public, certify that I witnessed the signature of the above named _____, and that said person stated that he/she is authorized to execute this resolution, and the individual verified his/her identity to me, on this date: _____.

SIGNATURE: DATE:

_____ _____

My commission expires on: _____ NOTARY SEAL:

GIS Certification #:
— — — —

APPENDIX C
(Required of all Applicants with Generation Units at the Site of Existing Renewable Energy Resources)

STATE OF RHODE ISLAND
PUBLIC UTILITIES COMMISION

RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM
Pursuant to the Renewable Energy Act
Section 39-26-1 et. seq. of the General Laws of Rhode Island

If the Generation Unit: (1) first entered into commercial operation before December 31, 1997; or (2) is located at the exact site of an Existing Renewable Energy Resource, please complete the following and attach documentation, as necessary to support all responses:

C.1 Is the Generating Unit seeking certification, either in whole or in part, as a New Renewable Energy Resource? **X** Yes ❑ No

C.2 If you answered "Yes" to question C.1, please complete the remainder of Appendix C. If you answered "No" and are seeking certification entirely as an Existing Renewable Energy Resource, you do NOT need to complete the remainder of Appendix C.

C.3 If an Existing Renewable Energy Resource is/was located at the site, has such Existing Renewable Energy Resource been retired and replaced with the new Generation Unit at the same site? ❑ Yes **X** No

C.4 Is the Generation Unit a Repowered Generation Unit (as defined in Section 3.28 of the RES Regulations) which uses Eligible Renewable Energy Resources and which first entered commercial operation after December 31, 1997 at the site of an existing Generation Unit? ❑ Yes **X** No

C.5 If you checked "Yes" to question C.4 above, please provide documentation to support that the entire output of the Repowered Generation Unit first entered commercial operation after December 31, 1997.

C.6 Is the Generation Unit a multi-fuel facility in which an Eligible Biomass Fuel is first co-fired with fossil fuels after December 31, 1997? ❑ Yes **X** No

C.7 If you checked "Yes" to question C.6 above, please provide documentation to support that the renewable energy fraction of the energy output first occurred after December 31, 1997.

C.8 Is the Generation Unit an Existing Renewable Energy Resource other than an Intermittent Resource (as defined in Section 3.9 and 3.14 of the RES Regulations)? ❑ Yes **X** No

C.9 If you checked "Yes" to question C.8 above, please attach evidence of completed capital investments after December 31, 1997 attributable to efficiency improvements or additions of capacity that are sufficient to, were intended to, and can be demonstrated to increase annual electricity output in excess of ten percent (10%). As specified in Section 3.22.v of the RES Regulations, the determination of incremental production shall not be based on any operational changes at such facility **not directly** associated with the efficiency improvements or additions of capacity.

C.10 Is the Generating Unit an Existing Renewable Energy Resource that is an Intermittent Resource? **X** Yes ❑ No

C.11 If you checked "Yes" to question C.10 above, please attach evidence of completed capital investments after December 31, 1997 attributable to efficiency improvements or additions of capacity that are sufficient to, were intended to, and have demonstrated on a normalized basis to increase annual electricity output in excess of ten percent (10%). The determination of incremental production shall not be based on any operational changes at such facility **not directly** associated with the efficiency improvements or additions of capacity. In no event shall any production that would have existed during the Historical Generation Baseline period in the absence of the efficiency improvements or additions to capacity be considered incremental production. Please refer to Section 3.22.vi of the RES Regulations for further guidance.

C.12 If you checked "Yes" to C.10, provide the single proposed percentage of production to be deemed incremental, attributable to the efficiency improvements or additions of capacity placed in service after December 31, 1997. Please provide backup information sufficient for the Commission to make a determination of this incremental production percentage.

C.13 If you checked "no" to both C.3 and C.4 above, please complete the following:

a. Was the Existing Renewable Energy Resource located at the exact site at any time during calendar years 1995 through 1997? **X** Yes ❑ No

b. If you checked "yes" in Subsection (a) above, please provide the Generation Unit Asset Identification Number and the average annual electrical production (MWhs) for the three calendar years 1995 through 1997, or for the first 36 months after the Commercial Operation Date if that date is after December 31, 1994, for each such Generation Unit.

c. Please attach a copy of the derivation of the average provided in (b) above, along with documentation support (such as ISO reports) for the information provided in Subsection (b) above. Data must be consistent with quantities used for ISO Market Settlement System.

GIS Certification #:
— — — —

APPENDIX D
(Required of Applicants Seeking Eligibility for Customer-Sited and/or Off-Grid Generation Facilities and Associated Aggregations)

STATE OF RHODE ISLAND
PUBLIC UTILITIES COMMISION

RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM
Pursuant to the Renewable Energy Act
Section 39-26-1 et. seq. of the General Laws of Rhode Island

Customer-sited and Off-grid Generation Facilities located in Rhode Island may be certified as an eligible resource if their NEPOOL GIS Certificates are created by way of an aggregation of Generation Units using the same generation technology, and so long as the aggregation is certified by the Commission. Please complete the following and attach documentation, as necessary to support all responses:

D.1 Please identify the location(s) in Rhode Island of each Generation Unit that is interconnected on the End-use Customer's side of the retail electricity meter in such a manner that it displaces all or part of the metered consumption of the End-use Customer, or not connected to a utility transmission or distribution system.

_____
_____
_____
_____
_____

D.2 Please attach proposed procedures under which the aggregate Generation Units will operate ("Aggregation Agreement"). In accordance with Section 6.8.(iii) of the RES Regulations, the proposed Aggregation Agreement shall contain the following information:

(a) Name and contact information of the aggregator owner, to which these regulations and stipulations of certification shall apply, and who shall be the initial owner of any NEPOOL GIS Certifications so certified;

(b) Name, contact information, and qualifications of the Verifier. Qualifications shall include any information the applicant believes will assist the Commission in determining that the Verifier will accurately and efficiently carry out its duties. After receipt of the application, the Commission may require additional evidence of qualifications;

(c) A declaration of any and all business or financial relations between aggregator owner and Verifier, which the Commission will use to evaluate the independence of the Verifier.[2]

(d) The Aggregation Agreement shall include a statement indicating under what circumstances the Verifier would not be considered sufficiently independent of the individual Generation Unit, and that Generation Units not meeting this independence test would not be allowed to participate in the aggregation;

(e) Type of technology that will be included in the aggregation, and statement that the aggregation will include only individual Generation Units that meet all the requirements of these regulations, for example physical location, vintage, etc. (All generators within the aggregation must be of the same technology and fuel type);

(f) Proposed operating procedures for the aggregation, by which the Verifier shall ensure that individual Generation Units in the aggregation comply with all eligibility requirements and that the NEPOOL GIS Certificates created accurately represent generation;[3] and

(g) Description of how the Verifier will be compensated for its services by the aggregator. In no instances will an aggregation be certified in which the Verifier is compensated in a manner linked to the number of NEPOOL GIS Certificates created by the aggregation.

D.3 Applicant must acknowledge that:

(a) any changes to or deviations from the Aggregation Agreement will be considered a change in generator status, and will require recertification by the Commission;

❑ ← please check this box to acknowledge this requirement

❑ N/A or other (please explain) _____

_____

[2] Reasons for ruling that a Verifier is not sufficiently independent include, but are not limited to: i) If one entity owns, directly or indirectly, or if a natural person so owns, 10% or more of the voting stock or other equity interest in the other entity; ii) If 10% or more of the voting stock or other equity interests in both entities are owned, directly or indirectly, by the same entity or a natural person; or iii) If one entity is a natural person, and such entity or a member of such entity's immediate family is an officer, director, partner, employee or representative of the other entity. It is important to note that rules are always subject to change in accordance with the State's Administrative Procedures Act (APA). For example, the Commission is asking NEPOOL to allow third party verification for customer sited/off-grid systems. If NEPOOL adopts this request, the Commission will change its rules in accordance with the APA.

[3] At a minimum, these procedures will: i) require a determination that the Generation Unit exists and is in compliance with these RES Regulations and the Aggregation Agreement as approved by the Commission; ii) require a meter reading procedure that allows the Verifier to verify these readings; meter readings may be manual or remote and via the aggregators own system or via an independent system, but in all cases shall comply with NEPOOL GIS Operating Rules regarding metering; iii) specify how generation data will be entered into NEPOOL GIS to create NEPOOL GIS Certificates; iv) a procedure to verify independently that the NEPOOL GIS Certificates created for the aggregation are consistent with the meter readings; v) a procedure for the Verifier to report to the Commission on the results of their verification process; vi) require that verification and meter readings be done on a quarterly basis, except for units of two hundred KW or less, which may be done on an annual basis; and vii) procedures for correcting discrepancies in NEPOOL GIS Certificate generation identified by the Verifier.

(b) the Commission will be promptly notified of any changes to or deviations from the Aggregation Agreement; and

❑ ← please check this box to acknowledge this requirement

❑ N/A or other (please explain) _____

_____

(c) in the event that notice of such changes or deviations is not promptly given, all Generation Units in the aggregation may be de-certified.

❑ ← please check this box to acknowledge this requirement

❑ N/A or other (please explain) _____

_____

D.4 Applicant must certify that:

If the Generation Unit (or aggregation of generation units) is a Customer-sited or Off-grid Generation Resources, as provided in Rhode Island's Renewable Energy Standard law Section 39-26-2.4 and Section 3.25 of the RES Regulations, respectively, the associated Generation Attributes have not otherwise been, nor will be sold, retired, claimed or represented as part of electrical energy output or sales, or used to satisfy obligations in jurisdictions other than Rhode Island.

❑ ← please check this box to certify that this statement is true

❑ N/A or other (please explain) _____

_____

GIS Certification #:
— — — —

APPENDIX E
(Required of all Applicants Located in a Control Area Adjacent to NEPOOL)

STATE OF RHODE ISLAND
PUBLIC UTILITIES COMMISION

RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM
Pursuant to the Renewable Energy Act
Section 39-26-1 et. seq. of the General Laws of Rhode Island

Please complete the following and attach documentation, as necessary to support all responses:

E.1 Please indicate in which Control Area adjacent to NEPOOL the Generation Unit is located:

- ❑ New York
- ❑ Hydro Quebec
- ❑ Maritimes (including Northern Maine Independent System Administrator)

E.2 Applicant must provide to the Commission by July 1st of each year assurances that the Generation Unit's New Renewable Energy Resources used for compliance with the Rhode Island's Renewable Energy Act during the previous Compliance Year have not otherwise been, nor will be, sold, retired, claimed or represented as part of electrical energy output or sales, or used to satisfy obligations in jurisdictions other than Rhode Island. Such assurances may consist of a report from a neighboring Generation Attribute accounting system or an affidavit from the Generation Unit.

- ❑ ← please check this box to acknowledge this requirement
- ❑ N/A or other (please explain) _____

_____

E.3 Applicant must acknowledge and provide evidence to support that, in accordance with Section 5.1.(ii) of the RES Regulations, the Generation Attributes associated with the Generation Unit shall be applied to the Rhode Island Renewable Energy Standard only to the extent of the energy produced by the Generation Unit that is or will be actually delivered into NEPOOL for consumption by New England customers. Verification of the delivery of such energy from the Generation Unit into NEPOOL will performed in accordance with subparagraphs (a), (b) and (c) of RES Regulations Section 5.1.(ii).

- ❑ ← please check this box to acknowledge this requirement
- ❑ N/A or other (please explain) _____

_____

GIS Certification #:
— — — —

APPENDIX F
Eligible Biomass Fuel Source Plan
(Required of all Applicants Proposing to Use An Eligible Biomass Fuel)

STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISION
Part of Application for Certificate of Eligibility
RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM
Pursuant to the Renewable Energy Act
Section 39-26-1 et. sq. of the General Laws of Rhode Island

Note to Applicants: Please refer to the RES Certification Filing Methodology Guide posted on the Commission's web site (www.ripuc.org/utilityinfo/res.html) for information, templates and suggestions regarding the types and levels of detail appropriate for responses to specific application items requested below. Also, please see Section 6.9 of the RES Regulations for additional details on specific

The phrase "Eligible Biomass Fuel" (per RES Regulations Section 3.6) means fuel sources including brush, stumps, lumber ends and trimmings, wood pallets, bark, wood chips, shavings, slash, yard trimmings, site clearing waste, wood packaging, and other clean wood that is not mixed with other unsorted solid wastes[4]; agricultural waste, food and vegetative material; energy crops; landfill methane[5] or biogas[6], provided that such gas is collected and conveyed directly to the Generation Unit without use of facilities used as common carriers of natural gas; or neat bio-diesel and other neat liquid fuels that are derived from such fuel sources.

In determining if an Eligible Biomass Generation Unit shall be certified, the Commission will consider if the fuel source plan can reasonably be expected to ensure that only Eligible Biomass Fuels will be used, and in the case of co-firing ensure that only that proportion of generation attributable to an Eligible Biomass Fuel be eligible. Certification will not be granted to those Generation Units with fuel source plans the Commission deems inadequate for these purposes.

This Appendix must be attached to the front of Applicant's Fuel Source Plan required for Generating Units proposing to use an Eligible Biomass Fuel (per Section 6.9 of RES Regulations).

---

[4] Generation Units using wood sources other than those listed above may make application, as part of the required fuel source plan described in Section 6.9 of the RES Regulations, for the Commission to approve a particular wood source as "clean wood." The burden will be on the applicant to demonstrate that the wood source is at least as clean as those listed in the legislation. Wood sources containing resins, glues, laminates, paints, preservatives, or other treatments that would combust or off-gas, or mixed with any other material that would burn, melt, or create other residue aside from wood ash, will not be approved as clean wood.

[5] Landfill gas, which is an Eligible Biomass Fuel, means only that gas recovered from inside a landfill and resulting from the natural decomposition of waste, and that would otherwise be vented or flared as part of the landfill's normal operation if not used as a fuel source.

[6] Gas resulting from the anaerobic digestion of sewage or manure is considered to be a type of biogas, and therefore an Eligible Biomass Fuel that has been fully separated from the waste stream.

F.1 The attached Fuel Source Plan includes a detailed description of the type of Eligible Biomass Fuel to be used at the Generation Unit.

Detailed description attached? ❑ Yes ❑ No ❑ N/A

Comments: _____

_____

F.2 If the proposed fuel is "other clean wood," the Fuel Source Plan should include any further substantiation to demonstrate why the fuel source should be considered as clean as those clean wood sources listed in the legislation.

Further substantiation attached? ❑ Yes ❑ No ❑ N/A

Comments: _____

_____

F.3 In the case of co-firing with ineligible fuels, the Fuel Source Plan must include a description of (a) how such co-firing will occur; (b) how the relative amounts of Eligible Biomass Fuel and ineligible fuel will be measured; and (c) how the eligible portion of generation output will be calculated. Such calculations shall be based on the energy content of all of the proposed fuels used.

Description attached? ❑ Yes ❑ No ❑ N/A

Comments: _____

_____

F.4 The Fuel Source Plan must provide a description of what measures will be taken to ensure that only the Eligible Biomass Fuel are used, examples of which may include: standard operating protocols or procedures that will be implemented at the Generation Unit, contracts with fuel suppliers, testing or sampling regimes.

Description provided? ❑ Yes ❑ No ❑ N/A

Comments: _____

_____

F.5 Please include in the Fuel Source Plan an acknowledgement that the fuels stored at or brought to the Generation Unit will only be either Eligible Biomass Fuels or fossil fuels used for co-firing and that Biomass Fuels not deemed eligible will not be allowed at the premises of the certified Generation Unit. And please check the following box to certify that this statement is true.

❑ ← check this box to certify that the above statement is true

❑ N/A or other (please explain) _____

_____

F.6 If the proposed fuel includes recycled wood waste, please submit documentation that such fuel meets the definition of Eligible Biomass Fuel and also meets material separation, storage, or handling standards acceptable to the Commission and furthermore consistent with the RES Regulations.

Documentation attached? ❑ Yes ❑ No ❑ N/A

Comments: _____

_____

F.7 Please certify that you will file all reports and other information necessary to enable the Commission to verify the on-going eligibility of the renewable energy generators pursuant to Section 6.3 of the RES Regulations.

❑ ← check this box to certify that the above statement is true

❑ N/A or other (please explain) _____

_____

F.8 Please attach a copy of the Generation Unit's Valid Air Permit or equivalent authorization.

Valid Air Permit or equivalent attached? ❑ Yes ❑ No ❑ N/A

Comments: _____

_____

F.9 Effective date of Valid Air Permit or equivalent authorization:

___ ___ / ___ ___ / ___ ___

F.10 State or jurisdiction issuing Valid Air Permit or equivalent authorization: _____

6.2 Authorized Representative Certification and Signature:

I hereby certify, under pains and penalties of perjury, that I have personally examined and am familiar with the information submitted herein and based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties, both civil and criminal, for submitting false information, including possible fines and punishment. My signature below certifies all information submitted on this Renewable Energy Resources Eligibility Form. The Renewable Energy Resources Eligibility Form includes the Standard Application Form and all required Appendices and attachments. I acknowledge that the Generation Unit is obligated to and will notify the Commission promptly in the event of a change in a generator's eligibility status (including, without limitation, the status of the air permits) and that when and if, in the Commission's opinion, after due consideration, there is a material change in the characteristics of a Generation Unit or its fuel stream that could alter its eligibility, such Generation Unit must be re-certified in accordance with Section 9.0 of the RES Regulations. I further acknowledge that the Generation Unit is obligated to and will file such quarterly or other reports as required by the Regulations and the Commission in its certification order. I understand that the Generation Unit will be immediately de-certified if it fails to file such reports.

Signature of Authorized Representative:

SIGNATURE: Lucas W Wright DATE: 6/19/07

Treas.
(Title)

WARE RIVER POWER INC.

P.O. BOX 512
ALLEN DRIVE
BARRE, MA 01005
(978) 355-4575

July 13, 2007

Rhode Island Public Utlities Commission
89 Jefferson Blvd.
Warwick, RI 02888

RE: Certification of Authorized Representative

To Whom It May Concern:

I, Christopher J. Meyers, the duly elected Secretary of Ware River Power, Inc., do hereby certify that Lucas W. Wright, as President, Chief Executive Officer and Treasurer of Ware River Power, Inc., is authorized to execute the Renewable Energy Resources Eligibility Form and to legally bind the corporation in like matters.

Sincerely,

Christopher J. Meyers
Vice President and Secretary

cc: lww

C. 11 – Pioneer Hydro Capital Improvements

Ware River Power, Inc. was formed by David Wright in 1979 with the sole intention of developing small, run of river, hydropower projects at existing mill sites throughout the northeast. Including Pioneer, the Wright family owns four small hydropower plants with a combined capacity of 2 MWh. Ware River Power is the operations company for all of these plants and all four are owned by the Wright family.

Pioneer Hydropower Inc. is a run of the river hydropower plant consisting of two dams within a quarter mile of each other. Pioneer upper has a capacity of just under 1200 kWh and Pioneer lower has a capacity of 225 kWh's. These two dams were licensed under a FERC exemption, reengineered, reconstructed and put on line in 1981. Initial design flaws made Pioneer very difficult to operate effectively. In 1992, creditors took possession of the plant and in 1995; the plant was auctioned off to the highest bidder. David, Lucas and Sarah Wright and Ware River Power began operating Pioneer in the spring of 1995. By the end of 1996 it was becoming clear to Ware River Power that immediate changes and capital improvements had to be made in order to keep Pioneer functioning properly. In October of 1996 it was decided that major capital expenditures would be needed in order to make Pioneer financially sound for years to come. Here are some of the major design issues Pioneer faced at the time.

- The canal and waterway that flowed under route 9 in ware was flooding the road and abutting property owner's basements when the canal was operating at normal head level. The only way to prevent this was to lower the canal while the plant was in operation by restricting flow at the head gates of the power intake canal. This problem was a direct result of horribly deteriorated canal walls and an improperly designed underwater culvert. The Rte 9 Bridge was reconstructed in 1994-1995 by the Town of Ware. It was designed to be a neutral pressure culvert, however due to a last minute design change, the culvert was pressurized during normal operations when water level was at dam crest. The culvert consists of 13 prefabricated concrete boxes put together lengthwise in a tongue and groove fashion. As a direct result the amount of flow and head was significantly decreased at the trash rack intakes at the end of the canal. The estimated loss of production from that was estimated at 20%.
- The gate house that controlled the level of the power canal had a continuing problem of debris clogging the gates, preventing water flow and proper gate operation. Much of the debris had to be cleared by boat which was a lengthy process and required the plant be shutdown, sometimes for 24 hours or more. Debris typically is heaviest in the fall during leaf season and when the winter ice lets go due to spring rains. These are the most productive times of the year for a hydro operation.
- Between 1995 and 1997, Pioneer had catastrophic failure of three of its five turbines. These turbines were either left non functional or quickly and inadequately repaired in place to save downtime of the entire plant. Since all units were run off of one common water intake with no isolation possible, repairs had to be made hastily to prevent the entire plant from being off line. Non catastrophic failures of the turbine systems were often and repairs were done in a similar manner. No significant redesigns were done at this time as a significant lack of cash flow and heavy debt service prevented long outages.

C. 11 – Pioneer Hydro Capital Improvements

- All controls at the plant were done manually. There were no pond leveling devices or remote access to the plant. With five different types of turbines running at different flows and horsepower, this type of operation can be inefficient for production and devastating to FERC compliance as it requires complete operator judgment and action 24/7.

From late June 1997 to January 1998, Pioneer upper was offline for the following capital improvements. These capital improvements were the most significant, in the history of Pioneer.

- Removed and replaced 80' of deteriorated east canal wall. Parged and pressure grouted leaking granite wall on east and west side of canal. Culvert seams under Rte 9 were pressure grouted and sealed with epoxy rubber coating to prevent road leaks.
- A debris trash rack and catwalk was installed in front of the head gates of the power canal in order to stop debris from impacting into the gate mechanisms which impeded flow and actuation, especially during the spring and fall, high water times.
- An isolating stop log gate was installed in the junction water box to allow repairs without complete station shutdown.
- T-1 Turbine rebuilt with new wicket gates and oversize pins and bushings to prevent chronic loosening of wicket gate pins. A redesigned quarter block bearing system was installed to prevent whipping of the runner shaft. The Runner was white blasted with aggregate, welded and later skim coated with Belzona Xmetal at the welds.
- T-2 turbine Rodney Hunt type 80 rebuilt with new gates, bushings, and pins. Turbine mounting redesigned to prevent repeated turbine failure. Runner was white blasted, welded, hard faced and later coated with Belzona Superglide for endurance and increased efficiency at lower flows.
- T-4 Rodney Hunt type 60. Complete turbine overhaul that included welding new pre-made runner buckets into place sequentially then coating the entire runner surfaces with Belzona superglide. These new buckets were made of 5/16 steel for more strength. Wicket gate pins and gates were manufactured new and installed.
- Installed a pond leveling system integrated with T-4's gate actuator, the most efficient machine at low flows, allowed automatic adjustments to be made for more efficient operations. Software and a remote kilowatt recorder allowed for hourly production records.

- Pioneer lower consists of one 250 kWh Rodney Hunt turbine. In January and February of 1998 Pioneer lower was shutdown and the entire turbine exchanged. This unit had been badly damaged beyond repair by several wicket gate failures in the past. A sister unit to this turbine was located, purchased, overhauled and installed. This overhaul included resurfacing the entire surface area of the runner and applying Belzona Superglide.

C. 11 – Pioneer Hydro Capital Improvements

In the fall of 1999 Pioneer had yet another catastrophic failure. T-5, the only unit that had a proper turbine design for the high head facility, had a generator fire. This unit was off line for 71/2 years until May of this year. T-5 produces an estimated 280kWh. I would urge anyone looking at this application and the production water flow analysis to take this into heavy consideration. T-5 is a fixed blade propeller so it performs less efficiently at partial gate operation. It is primarily used during times of high water and is the last unit to go online when higher flows permit. This explains why April of 98' and March of 99' were exceptional production months and why we have had none of that magnitude since.

Documentation of these capital improvements has not been easily obtained. This is due to several factors. Ware River Power is a very small company. During this time, and as a direct result of income flowing into Pioneer improvements, we were in extreme financial distress. As a result of this distress, most of the work was completed in house by David and Lucas Wright first hand. Very few before and after photos were taken, as most interested parties were actively involved (see Appendix A). Most of the supplier records of these repairs have been disposed of on a standard accounting practice seven year timeline. There is however some documentation of the loans obtained to perform upgrades to the plant. One of these loans was even named the "Capital Improvement Loan" by our loan supervisor (see Appendix A).

I would suggest that the production vs. flow records of the Pioneer Hydro speak for themsevles. Especially given that the last seven plus years Pioneer has functioned without T-5 and even set all time annual production record in 2005 and 2006. We have spent valuable resources on substantial improvements to the engine of Pioneer Hydropower and as a direct result we are operating at a much higher efficiency.

C.12

The Pioneer site has been in commercial operation since 1982. The Historical Generation Baseline for the years 1995 to 1997 is an average of 4,525.65 MW per year. The average production in the years since (1998 to 2006) has increased to 4,827.38 MW (see Appendix B). While this indicates a 6.67% increase, we believe that the improvements in efficiency are significantly higher and this result is skewed by the fact that 1996 saw rainfall that was 110% greater (see appendix C) than the annual mean from 1931 – 2004 producing, at the time, an abnormally productive year for Pioneer.

Waterflow is one of the most influential factors for absolute productivity in hydro electric generation. In order to more accurately gauge production efficiency it is necessary to compare electrical production with the water that is available. To carry out these calculations we used water data retrieved from the U.S. Geological Survey, National Water Information System data from Gibbs Crossing, a site located 2.2 miles downstream from Pioneer Hydro Co. There are no significant tributaries or water diversions between the site and this measuring station; therefore we believe the results from Gibbs Crossing to be an accurate representation of actual waterflow at the Pioneer site. The water discharge is measured in cubic feet per second (cfs).

Using this data and the records of production from 1995 – 2006, a monthly MWh/cfs ratio was calculated for both the Historical Generation Baseline and the months following the capital improvements. Please see appendix D for complete results. It should be noted that these results stop in September of 2005 because there is no water data yet available for the months following that date. These figures show significant improvement in production efficiency, with an average monthly increase in electrical production per cubic foot per second of water from the baseline of 43.5% (see appendix E). The increased efficiencies are most notably indicated in the low water months of July – October where the production ratio of MWh/cfs improves by 96% after the capital improvements were completed. This is due to the plant running much more effectively and efficiently and being able to consistently generate more power at lower water levels.

As there have been no fundamental operational changes, we believe the increases in relative production are a direct result of the improvements made to the existing generation unit. Therefore we believe the 43.5% increase to be a good representation of the incremental production that has been achieved through capital investment.

As requested in the Renewable Energy Resources Eligibility Form, please find attached in appendix F Commonwealth Electric Invoiced Annual Reports for the years being considered as backup of the production figures presented above.

C. 13b.

The Generation Unit Asset Identification Number for Pioneer Hydro is unit# 1048. The average annual electrical production for 1995 -1997 was 4525.65 MW. Attached please find the derivation of this average in Appendix B and supporting documentation from ComElectric Annual Reports (see Appendix F).

C. 13c.

Calculation data for the average presented in C 13b. is displayed in Appendix B. Please see the attached ComElectric Annual Reports (Appendix F) in support of the production results shown in Appendix B.

Appendix A – Capital Improvements (supporting photos and documentation)

Below is the operating canal level in 1996 before the upgrades to the culvert and the canal wall.

This is the operating level of the power canal today which is in direct correspondence to the level of the pond with no restriction of head or flow. Notice the float system used to automate machinery.

Appendix A – Capital Improvements (supporting photos and documentation)

This picture shows the canal wall in front of the yellow house. This canal wall was originally granite and in horrible condition and the yellow home had water flooding in its basement pre 1997. The old wall was completely removed and the new wall was set with deeper footings to stop ground saturation so the canal could operate at higher levels.

Water on Rte 9, the result of running the canal too high and pressurizing the culvert.

Appendix A – Capital Improvements (supporting photos and documentation)

These show the culvert and the new epoxy system that installed to allow this culvert to be a pressurized system which prevented water from flooding the roadway above as seen in the proceeding picture.

Appendix A – Capital Improvements (supporting photos and documentation)

Here is a clear before and after picture of the debris rack in front of the gate house. Notice the green tube which contains a pressure transducer installed for monitoring pond level and assisting in efficient plant operations.

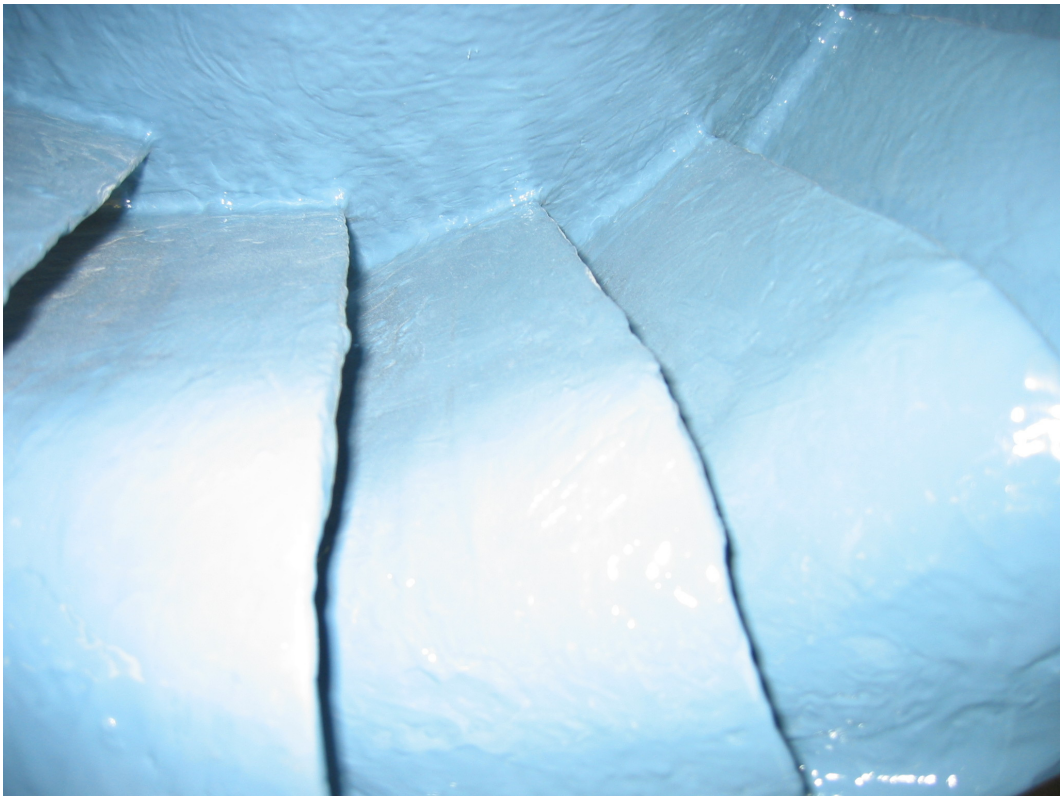
Appendix A – Capital Improvements (supporting photos and documentation)

Although not very clear this is the stop gate inside the water box at Pioneer Upper. This gate can be used to shutdown one of the three connected penstocks which allows for continuous operation of the remaining functioning machines during times of maintenance and repair.

Appendix A – Capital Improvements (supporting photos and documentation)

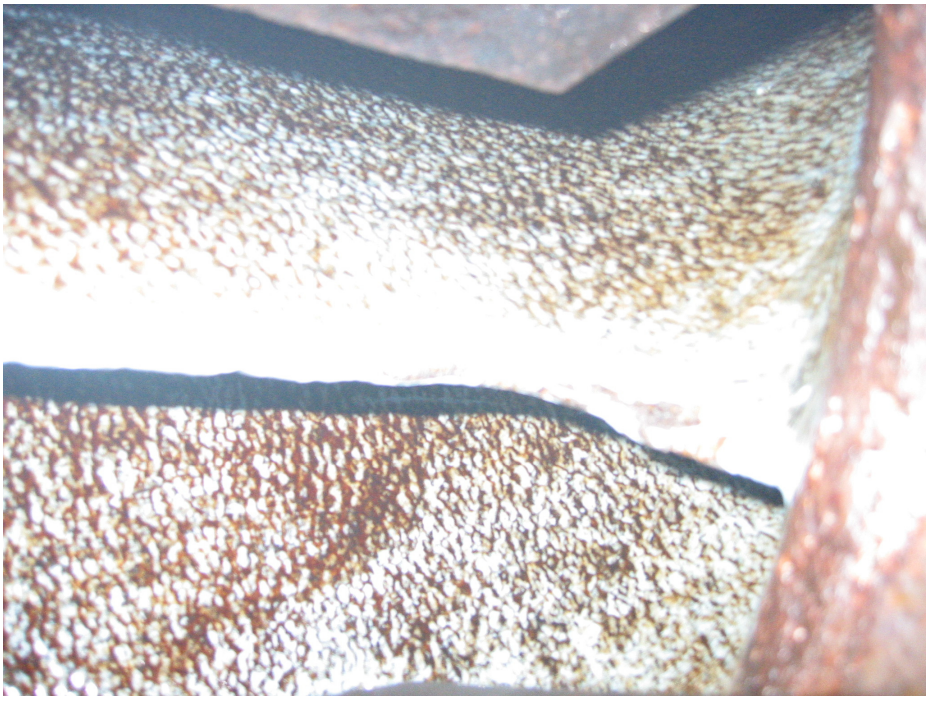
These pictures show Pioneer T-4 and T-3 after replacement and rehab. These pictures also show Belzona epoxy.

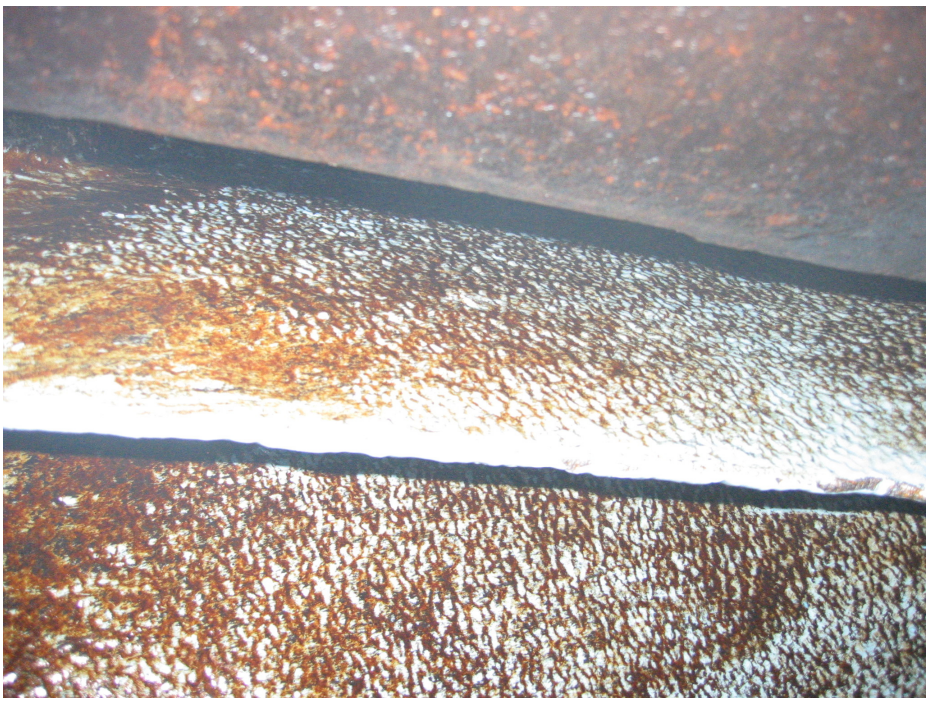
Appendix A – Capital Improvements (supporting photos and documentation)



More Belzona and rebuild on T-1.

Appendix A – Capital Improvements (supporting photos and documentation)





These are current pictures of T-4 showing the Belzona and turbine today. The silty water leaves a rust colored tint on top of the blue Belzona. Approximately 90% of the coating is still intact.

Appendix A – Capital Improvements (supporting photos and documentation)

T-4 Rodney Hunt Horizontal connected to a G.E. Syncronous generator

CLN # 036 4773
6/1/97
Pioneer Hydro
12-22-97

SECOND NOTE MODIFICATION AGREEMENT

This Second Note Modification Agreement is made as of the 18th day of December, 1997 by and between **BANKBOSTON, N.A.** (formerly known as The First National Bank of Boston), a national banking corporation with its head at 100 Federal Street, Boston, Massachusetts (the "Bank") and **PIONEER HYDRO ELECTRIC CO., INC.**, a Massachusetts corporation with its principal place of business on Allen Drive, Barre, Massachusetts (the "Borrower").

WHEREAS, the Borrower executed and delivered to the Bank its $70,000.00 Promissory Note dated October 1, 1996 (the "Note"); and

WHEREAS, the Bank and the Borrower modified the Note by a Note Modification Agreement dated as of September 3rd, 1997; and

WHEREAS, the Borrower has requested that certain terms of the Note be amended.

NOW, THEREFORE, in consideration of the foregoing, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Bank and the Borrower hereby agree as follows:

1. The principal portion of the payments due on November 1, 1997 and December 1, 1997 is hereby waived, but the Borrower shall pay accrued interest due on those dates.

2. Effective January 1, 1998, the Borrower will pay monthly principal payments of Two Thousand Three Hundred Forty-One and 00/100 Dollars ($2,341.00) plus accrued interest, which payments will be payable on the 1st day of January, February, March, April, May and June of 1998 and each year thereafter.

3. Effective as of July 1, 1998, the Borrower will pay only accrued interest, which payments will be payable on the first day of July, August, September, October, November and December of 1998 and each year thereafter.

4. Any remaining indebtedness, if not sooner paid, shall be due and payable on October 1, 2001.

5. Except as expressly modified hereby, the terms of the Note remain in full force and effect and are hereby ratified and confirmed.

IN WITNESS WHEREOF, the Borrower and the Bank have executed

this Second Note Modification Agreement under seal as of the date first written above.

PIONEER HYDRO ELECTRIC CO., INC.

Witness

By David W. Wright
Its President

BANKBOSTON, N.A.

Witness

By
Its Vice President

Appendix A – Capital Improvements (supporting photos and documentation)

WARE RIVER POWER INC.
P.O. BOX 512
ALLEN DRIVE
BARRE, MA.
01005 (508) 355-4575

September 3, 1998

Andy Stanhope
Bank Of Boston
P.O. Box 15073
Worcester MA 01615-0073

Dear Andy,

As you are aware, we are having a difficult time meeting cash flow requirements for Pioneer. The most significant reason for this cash flow shortage is the amount of funds dedicated to capital improvements in the last twelve months. These improvements have left us with a serious annual cash shortage. Please see the attatched document of capital improvements and expenditures.

On the bright side, Pioneer has had a very successful year as far as production. This production reflects the result of all the money and hard work Ware River Power, Inc has put into the plant in the last twelve months. In the months of January through June, Pioneer has generated over 4,500,000 KW. This is by far the best spring we have had since taking ownership of the plant.

At this time I would request that you waive the default requirement associated with this line, as well as the default for the income to debt ratio covenant. This waiver would allow us to proceed with obtaining maximum output at this plant, which in turn will allow us to meet our future debt service as contracted. I Hope you are having a great summer and we look forward to a very wet fall!

Sincerely,

Lucas W. Wright

Appendix A – Capital Improvements (supporting photos and documentation)

PIONEER HYDRO ELECTRIC CO.
UPDATE ON PLANT CONDITION AND PRODUCTION CAPABILITY

Background: For the first several years of the Pioneer Hydro PPA term, the Pioneer facility was operated very inefficiently, and suffered numerous financial and physical setbacks. So chronic were the operational and managerial problems at the facility that in 1994 Pioneer Hydropower Inc. filed for protection under Chapter 11 of the US Bankruptcy Code. The facility emerged from reorganization in April of 1995 under new ownership and management.

Capital Improvement Plan: Since then, the plant configuration and condition has been upgraded significantly. The following is a list of the capital improvements that have been completed:

T-1 Turbine Rebuilt
Pins & bushings replaced with proper size to prevent chronic loosening of gate hardware.

T-2 Turbine Rebuilt
Gates, pins & bushings replaced. Turbine mounting redesigned to prevent repeated turbine failure.
Inadequate heat exchanger replaced with larger unit.
New braking system installed.

T-3 Turbine Rebuilt
Complete rebuild of worn out turbine including replacement of all gates, runner & hardware.

T-4 Turbine & Generator Rebuilt
Pins, pin & gate bushings replaced with bronze bushings to prevent repeated turbine failure.
Stator rehab to eliminate hot spots & possibility of shorts through frayed leads.
Deteriorated combination thrust & radial bearing replaced.

T-5 Generator Repair
Main thrust bearing replaced to prevent excessive heat.
Faulty brake system redesigned & replaced.

Pond Level Monitoring System
Transducer & computer system installed to provide hourly pond level monitoring through remote operator pagers and locations.

Canal and Aquaduct Repairs
Removed & replaced 80' of deteriorated east canal wall. Parged leaking granite wall on west side of canal. Aquaduct seams sealed with epoxy rubber coating.

Isolating Gate Installed in Waterbox
Stop log gate installed in waterbox to allow repairs without complete station shutdown.

Gate House Upgrade
Automated gate hoist installed to maintain acceptable canal level. Debris retainer & catwalk installed to prevent ongoing buildup of trash at gates. Extensive tree & brush removal from gatehouse, dam & spillway area.

Appendix A – Capital Improvements (supporting photos and documentation)

BankBoston, N.A.
100 Front Street
Worcester, Massachusetts 01608-1438

BankBoston

June 28, 1999

Mr. David Wright
Pioneer Hydro Electric, Inc.
P.O. Box 512 Allen Drive
Barre, MA 01005

Dear David:

I have reviewed your request for a deferment of principal payments for the loans to South Barre Hydro Electric Co., Inc. for June 15th and July 15th. Unfortunately, based on prior deferments and restructuring of the loan obligations since 1995, we feel that we are unable to continue to defer payments and continue to keep the loan on "accrual" status, the requirements for which are closely monitored by federal regulators. Based on the fact that you are no longer producing power due to the lack of rain, the ability to keep even the interest payments current (approximately $5,300 per month), is in question.

As such, it has been recommended that I transfer your relationship to our Loan Review department who will take over the management of the relationship. I have asked that I be included in the initial meeting with your new account officer to assist in the introduction.

If you have any questions or need any additional information please feel free to call me at 508-770-7092.

Sincerely,

Andrew L. Stanhope
Vice President
BankBoston, N.A.

Appendix B - Pioneer Hydro Electric Co. (Unit ID # 1048) Annual Production (MWh)

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
January	662.22	475.07	601.65	728.57	517.10	382.64	194.32	65.88	426.74	470.51	707.51	892.75
February	289.27	485.84	496.92	688.44	585.77	421.73	338.53	201.51	296.41	167.27	573.62	723.24
March	446.49	729.53	743.74	967.36	810.81	754.41	550.72	393.20	702.20	664.74	555.07	407.57
April	249.03	619.01	958.52	789.19	449.89	736.18	764.59	436.76	661.90	744.60	793.15	342.69
May	244.41	725.59	711.20	673.96	228.30	665.94	282.51	545.31	568.46	609.07	704.50	624.52
June	148.94	322.33	130.50	650.91	17.49	606.38	523.22	383.85	685.25	185.82	268.96	747.52
July	0.00	281.37	103.37	295.55	3.49	164.98	174.70	27.35	116.30	42.22	247.42	458.37
August	1.05	67.83	19.21	5.96	0.00	240.18	12.68	4.54	241.58	38.58	0.01	62.37
September	0.00	45.34	2.67	3.90	215.19	11.70	12.03	1.78	115.76	234.86	4.65	39.87
October	337.78	403.97	8.16	169.87	288.45	56.00	1.37	67.80	272.37	288.08	619.51	306.89
November	707.89	435.66	242.99	102.87	366.93	240.65	14.74	318.63	560.39	313.87	762.70	730.56
December	348.20	673.74	210.95	111.31	490.01	312.42	111.46	450.43	691.66	769.00	762.11	541.99
As billed*	3435.27	5265.27	4229.89	5187.86	3973.40	4593.21	2980.87	2897.03	5339.02	4528.62	5999.20	5878.35
As produced	3607.04	5528.53	4441.38	5447.26	4172.07	4822.87	3129.91	3041.88	5605.97	4755.05	6299.16	6172.27

Average Annual	
95 - 97 annual avg	4525.65
98 - 06 annual avg	4827.38
annual % improvement	6.67%

***Billing figures are adjusted for 5% loss from production due to transmission line loss**

Appendix C - Ware River Annual Discharge at Gibbs Crossing
(Discharge data collected from US Geological Survey National Water Information System)

Year	Discharge (Cubic Feet per Second)	Variance from 73 year mean
1931	188.5	-35.70%
1932	237.8	-18.88%
1933	367.1	25.23%
1934	364.6	24.37%
1935	285.1	-2.75%
1936	396.1	35.12%
1937	413.1	40.92%
1938	603.7	105.93%
1939	263.5	-10.11%
1940	228.5	-22.05%
1941	143.1	-51.19%
1942	225.3	-23.15%
1943	250.4	-14.58%
1944	208.9	-28.74%
1945	315.2	7.52%
1946	246.1	-16.05%
1947	248	-15.40%
1948	310.7	5.99%
1949	222.9	-23.96%
1950	218.5	-25.47%
1951	360.7	23.04%
1952	320.6	9.36%
1953	362.9	23.79%
1954	353.9	20.72%
1955	445	51.80%
1956	359	22.46%
1957	199.9	-31.81%
1958	267.9	-8.61%
1959	302	3.02%
1960	366.5	25.02%
1961	276.8	-5.58%
1962	225.7	-23.01%
1963	176.8	-39.69%
1964	150.3	-48.73%
1965	104.9	-64.22%
1966	145.1	-50.50%
1967	258.1	-11.96%
1968	228.6	-22.02%
1969	230.8	-21.27%

Appendix C - Ware River Annual Discharge at Gibbs Crossing
(Discharge data collected from US Geological Survey National Water Information System)

Year	Discharge (Cubic Feet per Second)	Variance from 73 year mean
1970	240.5	-17.96%
1971	219.1	-25.26%
1972	349.9	19.36%
1973	298.6	1.86%
1974	283	-3.46%
1975	337.1	14.99%
1976	284.6	-2.92%
1977	280.2	-4.42%
1978	255.9	-12.71%
1979	447	52.48%
1980	196.3	-33.04%
1981	239.1	-18.44%
1982	303.8	3.63%
1983	352.6	20.28%
1984	396.7	35.32%
1985	225.9	-22.94%
1986	269.1	-8.20%
1987	241.6	-17.59%
1988	238.3	-18.71%
1989	329.1	12.26%
1990	359.4	22.60%
1991	321.1	9.53%
1992	311	6.09%
1993	358.8	22.39%
1994	376.3	28.36%
1995	287.1	-2.06%
1996	615.5	109.96%
1997	319.8	9.09%
1998	344.3	17.45%
1999	278.5	-5.00%
2000	363.3	23.93%
2001	275.5	-6.02%
2002	176.1	-39.93%
2003	357.9	22.09%
2004	287.6	-1.89%
2005	N/A	
2006	N/A	
Mean	293.15	0.00%

Appendix D - Monthly Water Discharge and Electrical Production

Year	Month	Mean CFS	MW Produced	MW/CFS
1995	January	646.8	662.22	1.02
1995	February	283.9	289.27	1.02
1995	March	551.9	446.49	0.81
1995	April	297.8	249.03	0.84
1995	May	189.3	244.41	1.29
1995	June	192.5	148.94	0.77
1995	July	47.6	0.00	0.00
1995	August	40.3	1.05	0.03
1995	September	19.4	0.00	0.00
1995	October	314.4	337.78	1.07
1995	November	649.1	707.89	1.09
1995	December	212.3	348.20	1.64
1996	January	794	475.07	0.60
1996	February	714.2	485.84	0.68
1996	March	708.1	729.53	1.03
1996	April	1,209	619.01	0.51
1996	May	830	725.59	0.87
1996	June	258.8	322.33	1.25
1996	July	308	281.37	0.91
1996	August	117.7	67.83	0.58
1996	September	165.8	45.34	0.27
1996	October	498.3	403.97	0.81
1996	November	482.5	435.66	0.90
1996	December	1,295	673.74	0.52
1997	January	536.2	601.65	1.12
1997	February	448.9	496.92	1.11
1997	March	584.4	743.74	1.27
1997	April	1,097	958.52	0.87
1997	May	476.2	711.20	1.49
1997	June	120.3	130.50	1.08
1997	July	117.5	103.37	0.88
1997	August	57.6	19.21	0.33
1997	September	36.2	2.67	0.07
1997	October	38.8	8.16	0.21
1997	November	184.9	242.99	1.31
1997	December	156.6	210.95	1.35
1998	January	554	728.57	1.32
1998	February	556.9	688.44	1.24
1998	March	909.9	967.36	1.06
1998	April	500.1	789.19	1.58
1998	May	415.5	673.96	1.62
1998	June	522.1	650.91	1.25
1998	July	250.1	295.55	1.18
1998	August	46	5.96	0.13
1998	September	32.8	3.90	0.12
1998	October	136.2	169.87	1.25
1998	November	109.1	102.87	0.94
1998	December	112.3	111.31	0.99

Appendix D - Monthly Water Discharge and Electrical Production

Year	Month	Mean CFS	MW Produced	MW/CFS
1999	January	543.8	517.10	0.95
1999	February	506.8	585.77	1.16
1999	March	747.8	810.81	1.08
1999	April	283	449.89	1.59
1999	May	186.3	228.30	1.23
1999	June	60.4	17.49	0.29
1999	July	30.9	3.49	0.11
1999	August	16	0.00	0.00
1999	September	194.3	215.19	1.11
1999	October	202.6	288.45	1.42
1999	November	268.8	366.93	1.37
1999	December	313	490.01	1.57
2000	January	229.8	382.64	1.67
2000	February	373.2	421.73	1.13
2000	March	781.8	754.41	0.96
2000	April	814.6	736.18	0.90
2000	May	497	665.94	1.34
2000	June	548	606.38	1.11
2000	July	187	164.98	0.88
2000	August	251.8	240.18	0.95
2000	September	104.4	11.70	0.11
2000	October	110.4	56.00	0.51
2000	November	183.8	240.65	1.31
2000	December	284.6	312.42	1.10
2001	January	181.7	194.32	1.07
2001	February	240.5	338.53	1.41
2001	March	629.4	550.72	0.87
2001	April	1,160.00	764.59	0.66
2001	May	207.9	282.51	1.36
2001	June	439.9	523.22	1.19
2001	July	154.9	174.70	1.13
2001	August	86.9	12.68	0.15
2001	September	59.5	12.03	0.20
2001	October	31.8	1.37	0.04
2001	November	37.6	14.74	0.39
2001	December	91.8	111.46	1.21
2002	January	77.7	65.88	0.85
2002	February	155.7	201.51	1.29
2002	March	242.5	393.20	1.62
2002	April	276.1	436.76	1.58
2002	May	339.1	545.31	1.61
2002	June	251.4	383.85	1.53
2002	July	80.1	27.35	0.34
2002	August	40.2	4.54	0.11
2002	September	28.8	1.78	0.06
2002	October	69.3	67.80	0.98
2002	November	194.6	318.63	1.64
2002	December	356.9	450.43	1.26

Appendix D - Monthly Water Discharge and Electrical Production

Year	Month	Mean CFS	MW Produced	MW/CFS
2003	January	258.2	426.74	1.65
2003	February	218.6	296.41	1.36
2003	March	653.5	702.20	1.07
2003	April	516.8	661.90	1.28
2003	May	344.2	568.46	1.65
2003	June	579	685.25	1.18
2003	July	136.5	116.30	0.85
2003	August	185.8	241.58	1.30
2003	September	119.5	115.76	0.97
2003	October	251.5	272.37	1.08
2003	November	332.5	560.39	1.69
2003	December	689.4	691.66	1.00
2004	January	380.4	470.51	1.24
2004	February	163.7	167.27	1.02
2004	March	377.3	664.74	1.76
2004	April	660.7	744.60	1.13
2004	May	381	609.07	1.60
2004	June	150.1	185.82	1.24
2004	July	62.8	42.22	0.67
2004	August	58.2	38.58	0.66
2004	September	214	234.86	1.10
2004	October	195.1	288.08	1.48
2004	November	227.8	313.87	1.38
2004	December	575.5	769.00	1.34
2005	January	638.3	707.51	1.11
2005	February	468.6	573.62	1.22
2005	March	497.5	555.07	1.12
2005	April	1,420	793.15	0.56
2005	May	536.5	704.50	1.31
2005	June	198.9	268.96	1.35
2005	July	176.6	247.42	1.40
2005	August	56.8	0.01	0.00
2005	September	30	4.65	0.16

Appendix E - Pioneer Hydro Relative Production (MWh/CFS)

	1995	1996	1997	average
January	1.024	0.598	1.122	0.963
February	1.019	0.680	1.107	0.986
March	0.809	1.030	1.273	1.092
April	0.836	0.512	0.874	0.771
May	1.291	0.874	1.493	1.284
June	0.774	1.245	1.085	1.076
July	0.000	0.914	0.880	0.629
August	0.026	0.576	0.333	0.319
September	0.000	0.273	0.074	0.122
October	1.074	0.811	0.210	0.734
November	1.091	0.903	1.314	1.161
December	1.640	0.520	1.347	1.231

	1998	1999	2000	2001	2002	2003	2004	2005	average
January	1.315	0.951	1.665	1.069	0.848	1.653	1.237	1.108	1.231
February	1.236	1.156	1.130	1.408	1.294	1.356	1.022	1.224	1.228
March	1.063	1.084	0.965	0.875	1.621	1.075	1.762	1.116	1.195
April	1.578	1.590	0.904	0.659	1.582	1.281	1.127	0.559	1.160
May	1.622	1.225	1.340	1.359	1.608	1.652	1.599	1.313	1.465
June	1.247	0.289	1.107	1.189	1.527	1.184	1.238	1.352	1.142
July	1.182	0.113	0.882	1.128	0.341	0.852	0.672	1.401	0.821
August	0.130	0.000	0.954	0.146	0.113	1.300	0.663	0.000	0.413
September	0.119	1.108	0.112	0.202	0.062	0.969	1.097	0.155	0.478
October	1.247	1.424	0.507	0.043	0.978	1.083	1.477		0.966
November	0.943	1.365	1.309	0.392	1.637	1.685	1.378		1.244
December	0.991	1.566	1.098	1.214	1.262	1.003	1.336		1.210

	95 - 97 average	post capital improvement average	percentage difference
January	0.963	1.231	27.83%
February	0.986	1.228	24.58%
March	1.092	1.195	9.45%
April	0.771	1.160	50.41%
May	1.284	1.465	14.09%
June	1.076	1.142	6.14%
July	0.629	0.821	30.54%
August	0.319	0.413	29.48%
September	0.122	0.478	292.91%
October	0.734	0.966	31.49%
November	1.161	1.244	7.21%
December	1.231	1.210	-1.68%

Average difference	43.54%
July - Oct difference	96.11%

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

PIONEER HYDROELECTRIC LTD. PTR.
Detail of Estimated Energy Bank
December 1995

MONTH	GENERATION (KWH) (1)	COST TO COMPANY ($) (2)	ESTIMATED ENERGY PURCHASE PRICE ($/KWH) (3)	ESTIMATED AVOIDED COST OF ENERGY ($) (4)	INTEREST ($)	ESTIMATED ENERGY BANK ($) (5)
JANUARY	662,217	[redacted]	[redacted]	[redacted]		[redacted]
YEAR-TO-DATE	662,217					
FEBRUARY	289,266					
YEAR-TO-DATE	951,483					
MARCH	446,491					
YEAR-TO-DATE	1,397,974					
APRIL	249,028					
YEAR-TO-DATE	1,647,002					
MAY	244,407					
YEAR-TO-DATE	1,891,409					
JUNE	148,941					
YEAR-TO-DATE	2,040,350					
JULY	0					
YEAR-TO-DATE	2,040,350					
AUGUST	1,050					
YEAR-TO-DATE	2,041,400					
SEPTEMBER	0					
YEAR-TO-DATE	2,041,400					
OCTOBER	337,782					
YEAR-TO-DATE	2,379,182					
NOVEMBER	707,893					
YEAR-TO-DATE	3,087,075					
DECEMBER	348,199					
YEAR-TO-DATE	3,435,274					

1. Adjusted for 5% losses
2. Generation times [greater of (i) Adjusted Floor Energy Price (ii) Floor Energy Price (iii) Energy Purchase Price]
3. 10% Decrement of Avoided Costs
4. Generation times Estimated Energy Purchase Price
5. Cost to Company less Estimated Avoided Cost of Energy

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

PIONEER HYDROELECTRIC LTD. PTR.
Detail of Estimated Energy Bank
December 1996

MONTH	GENERATION (KWH) (1)	COST TO COMPANY ($) (2)	ESTIMATED ENERGY PURCHASE PRICE ($/KWH) (3)	ESTIMATED AVOIDED COST OF ENERGY ($) (4)	INTEREST ($)	ESTIMATED ENERGY BANK ($) (5)
JANUARY	475,067	[redacted]	[redacted]	[redacted]		[redacted]
YEAR-TO-DATE	475,067					
FEBRUARY	485,835					
YEAR-TO-DATE	960,902					
MARCH	729,534					
YEAR-TO-DATE	1,690,436					
APRIL	619,011					
YEAR-TO-DATE	2,309,447					
MAY	725,591					
YEAR-TO-DATE	3,035,038					
JUNE	322,330					
YEAR-TO-DATE	3,357,368					
JULY	281,371					
YEAR-TO-DATE	3,638,739					
AUGUST	67,825					
YEAR-TO-DATE	3,706,564					
SEPTEMBER	45,344					
YEAR-TO-DATE	3,751,908					
OCTOBER	403,972					
YEAR-TO-DATE	4,155,880					
NOVEMBER	435,656					
YEAR-TO-DATE	4,591,536					
DECEMBER	673,735					
YEAR-TO-DATE	5,265,271					

1. Adjusted for 5% losses
2. Generation times [greater of (i) Adjusted Floor Energy Price (ii) Floor Energy Price (iii) Energy Purchase Price]
3. 10% Decrement of Avoided Costs
4. Generation times Estimated Energy Purchase Price
5. Cost to Company less Estimated Avoided Cost of Energy

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

PIONEER HYDROELECTRIC LTD. PTR.
Detail of Estimated Energy Bank
December 1997

MONTH	GENERATION (KWH) (1)	COST TO COMPANY ($) (2)	ESTIMATED ENERGY PURCHASE PRICE ($/KWH) (3)	ESTIMATED AVOIDED COST OF ENERGY ($) (4)	INTEREST ($)	ESTIMATED ENERGY BANK ($) (5)
JANUARY	601,654	[redacted]	[redacted]	[redacted]		[redacted]
YEAR-TO-DATE	601,654					
FEBRUARY	496,921					
YEAR-TO-DATE	1,098,575					
MARCH	743,741					
YEAR-TO-DATE	1,842,316					
APRIL	958,517					
YEAR-TO-DATE	2,800,833					
MAY	711,199					
YEAR-TO-DATE	3,512,032					
JUNE	130,497					
YEAR-TO-DATE	3,642,529					
JULY	103,374					
YEAR-TO-DATE	3,745,903					
AUGUST	19,209					
YEAR-TO-DATE	3,765,112					
SEPTEMBER	2,674					
YEAR-TO-DATE	3,767,786					
OCTOBER	8,161					
YEAR-TO-DATE	3,775,947					
NOVEMBER	242,986					
YEAR-TO-DATE	4,018,933					
DECEMBER	210,952					
YEAR-TO-DATE	4,229,885					

1. Adjusted for 5% losses
2. Generation times [greater of (i) Adjusted Floor Energy Price (ii) Floor Energy Price (iii) Energy Purchase Price]
3. 10% Decrement of Avoided Costs
4. Generation times Estimated Energy Purchase Price
5. Cost to Company less Estimated Avoided Cost of Energy

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

PIONEER HYDROELECTRIC LTD. PTR.
Detail of Estimated Energy Bank
December 1998

MONTH	GENERATION (KWH) (1)	COST TO COMPANY ($) (2)	ESTIMATED ENERGY PURCHASE PRICE ($/KWH) (3)	ESTIMATED AVOIDED COST OF ENERGY ($) (4)	INTEREST ($)	ESTIMATED ENERGY BANK ($) (5)
JANUARY	728,574	[redacted]	[redacted]	[redacted]		[redacted]
YEAR-TO-DATE	728,574					
FEBRUARY	688,437					
YEAR-TO-DATE	1,417,011					
MARCH	967,357					
YEAR-TO-DATE	2,384,368					
APRIL	0					
YEAR-TO-DATE	2,384,368					
MAY	0					
YEAR-TO-DATE	2,384,368					
JUNE	0					
YEAR-TO-DATE	2,384,368					
JULY	0					
YEAR-TO-DATE	2,384,368					
AUGUST	0					
YEAR-TO-DATE	2,384,368					
SEPTEMBER	0					
YEAR-TO-DATE	2,384,368					
OCTOBER	0					
YEAR-TO-DATE	2,384,368					
NOVEMBER	0					
YEAR-TO-DATE	2,384,368					
DECEMBER	0					
YEAR-TO-DATE	2,384,368					

1. Adjusted for 5% losses
2. Generation times [greater of (i) Adjusted Floor Energy Price (ii) Floor Energy Price (iii) Energy Purchase Price]
3. 10% Decrement of Avoided Costs
4. Generation times Estimated Energy Purchase Price
5. Cost to Company less Estimated Avoided Cost of Energy
6. Suspension Payment

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

PIONEER HYDROELECTRIC LTD. PTR.

Detail of Estimated Energy Bank

December-99

MONTH	GENERATION (KWH) (1)	COST TO COMPANY ($) (2)	ESTIMATED ENERGY PURCHASE PRICE ($/KWH) (3)	ESTIMATED AVOIDED COST OF ENERGY ($) (4)	INTEREST ($)	ESTIMATED ENERGY BANK ($) (5)
JANUARY	517,095	[redacted]	[redacted]	[redacted]		[redacted]
YEAR-TO-DATE	517,095	(6)				
FEBRUARY	585,765	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	1,102,860	(6)				
MARCH	810,805	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	1,913,665	(6)				
APRIL	449,885	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	2,363,550	(6)				
MAY	228,300	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	2,591,850	(6)				
JUNE	17,485	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	2,609,335	(6)				
JULY	3,490	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	2,612,825	(6)				
AUGUST	0	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	2,612,825	(6)				
SEPTEMBER	215,190	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	2,828,015	(6)				
OCTOBER	288,445	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	3,116,460	(6)				
NOVEMBER	366,930	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	3,483,390	(6)				
DECEMBER	490,010	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	3,973,400	(6)				

1. Adjusted for 5% losses
2. Generation times [greater of (i) Adjusted Floor Energy Price (ii) Floor Energy Price (iii) Energy Purchase Price]
3. 10% Decrement of Avoided Costs
4. Generation times Estimated Energy Purchase Price
5. Cost to Company less Estimated Avoided Cost of Energy
6. Suspension Payment

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

PIONEER HYDROELECTRIC COMPANY
December 2000

MONTH	GENERATION (KWH) (1)	COST TO COMPANY ($'s) (2)	ESTIMATED ENERGY PURCHASE PRICE ($'s/KWH) (3)	ESTIMATED AVOIDED COST OF ENERGY ($'s) (4)	INTEREST ($'s)	ESTIMATED ENERGY BANK ($'s) (5)
JANUARY	382,641	[redacted]	[redacted]	[redacted]		[redacted]
YEAR-TO-DATE	382,641					
FEBRUARY	421,734					
YEAR-TO-DATE	804,375					
MARCH	754,414					
YEAR-TO-DATE	1,558,789					
APRIL	736,179					
YEAR-TO-DATE	2,294,968					
MAY	665,936					
YEAR-TO-DATE	2,960,904					
JUNE	606,380					
YEAR-TO-DATE	3,567,284					
JULY	164,977					
YEAR-TO-DATE	3,732,261					
AUGUST	240,179					
YEAR-TO-DATE	3,972,440					
SEPTEMBER	11,699					
YEAR-TO-DATE	3,984,139					
OCTOBER	56,003					
YEAR-TO-DATE	4,040,142					
NOVEMBER	240,654					
YEAR-TO-DATE	4,280,796					
DECEMBER	312,417					
YEAR-TO-DATE	4,593,213					

1. Adjusted for 1% losses
2. Generation times [greater of (i) Adjusted Floor Energy Price (ii) Floor Energy Price (iii) Energy Purchase Price]
3. 10% Decrement of Avoided Costs
4. Generation times Estimated Energy Purchase Price
5. Cost to Company less Estimated Avoided Cost of Energy

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

PIONEER HYDROELECTRIC COMPANY
December-01

MONTH	GENERATION (KWH) (1)	COST TO COMPANY ($'s) (2)	ESTIMATED ENERGY PURCHASE PRICE ($'s/KWH) (3)	ESTIMATED AVOIDED COST OF ENERGY ($'s) (4)	INTEREST ($'s)	ESTIMATED ENERGY BANK ($'s) (5)
JANUARY	194,318	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
YEAR-TO-DATE	194,318					
FEBRUARY	338,533					
YEAR-TO-DATE	532,851					
MARCH	550,720					
YEAR-TO-DATE	1,083,571					
APRIL	764,593					
YEAR-TO-DATE	1,848,164					
MAY	282,511					
YEAR-TO-DATE	2,130,675					
JUNE	523,222					
YEAR-TO-DATE	2,653,897					
JULY	174,696					
YEAR-TO-DATE	2,828,593					
AUGUST	12,678					
YEAR-TO-DATE	2,841,271					
SEPTEMBER	12,027					
YEAR-TO-DATE	2,853,298					
OCTOBER	1,373					
YEAR-TO-DATE	2,854,671					
NOVEMBER	14,739					
YEAR-TO-DATE	2,869,410					
DECEMBER	111,459					
YEAR-TO-DATE	2,980,869					

1. Adjusted for 1% losses
2. Generation times [greater of (i) Adjusted Floor Energy Price (ii) Floor Energy Price (iii) Energy Purchase Price]
3. 10% Decrement of Avoided Costs
4. Generation times Estimated Energy Purchase Price
5. Cost to Company less Estimated Avoided Cost of Energy

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

PIONEER HYDROELECTRIC COMPANY
December-02

MONTH	GENERATION (KWH) (1)	COST TO COMPANY ($'s) (2)	ESTIMATED ENERGY PURCHASE PRICE ($'s/KWH) (3)	ESTIMATED AVOIDED COST OF ENERGY ($'s) (4)	INTEREST ($'s)	ESTIMATED ENERGY BANK ($'s) (5)
JANUARY	65,883	[redacted]	[redacted]	[redacted]		[redacted]
YEAR-TO-DATE	65,883					
FEBRUARY	201,505					
YEAR-TO-DATE	267,388					
MARCH	393,196					
YEAR-TO-DATE	660,584					
APRIL	436,763					
YEAR-TO-DATE	1,097,347					
MAY	545,305					
YEAR-TO-DATE	1,642,652					
JUNE	383,852					
YEAR-TO-DATE	2,026,504					
JULY	27,346					
YEAR-TO-DATE	2,053,850					
AUGUST	4,536					
YEAR-TO-DATE	2,058,386					
SEPTEMBER	1,781					
YEAR-TO-DATE	2,060,167					
OCTOBER	67,802					
YEAR-TO-DATE	2,127,969					
NOVEMBER	338,490					
YEAR-TO-DATE	2,466,459					
DECEMBER	450,433					
YEAR-TO-DATE	2,916,892					

1. Adjusted for 1% losses
2. Generation times [greater of (i) Adjusted Floor Energy Price (ii) Floor Energy Price (iii) Energy Purchase Price]
3. 10% Decrement of Avoided Costs
4. Generation times Estimated Energy Purchase Price
5. Cost to Company less Estimated Avoided Cost of Energy

RELEVANT CHANGES TO
MONTHLY BILLING

Pioneer Hydro	INPUTS
MONTH	December-03
REPORTED KWH	691,660 **total *.95 = Billing Kwh. 657,077
$/KWH	[redacted] Per Article III of contract effective 2/6/1995 [redacted]
COST TO COMPANY	DONE WHEN AMENDMENT STOPPED 1/1/2000)
EST PRICE 1ST QTR	[redacted] 0% DECREMENT OF AVOIDED COST**
EST PRICE 2ND QTR	
EST PRICE 3RD QTR	
EST PRICE 4TH QTR	

DUE DATE: January 31, 2004 **30 Days from receipt of values

OTHER INPUTS

MONTH	BILLING KWH	ADJUSTED FLOOR ENERGY PRICE	FLOOR ENERGY PRICE
JAN	426,740	0.00000	[redacted]
FEB	296,414	0.00000	
MAR	702,202	0.00000	
APR	661,903	0.00000	
MAY	568,461	0.00000	
JUN	685,249	0.00000	
JUL	116,299	0.00000	
AUG	241,576	0.00000	
SEP	115,760	0.00000	
OCT	272,370	0.00000	
NOV	560,385	0.00000	
DEC	691,660	0.00000	

Billed = 5,339,019

Actual = 5,605,969

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

PIONEER HYDROELECTRIC COMPANY
December-04

MONTH	GENERATION (KWH) (1)	COST TO COMPANY ($'s) (2)	ESTIMATED ENERGY PURCHASE PRICE ($'s/KWH) (3)	ESTIMATED AVOIDED COST OF ENERGY ($'s) (4)	INTEREST ($'s)	ESTIMATED ENERGY BANK ($'s) (5)
JANUARY	470,511	[redacted]	[redacted]	[redacted]		[redacted]
YEAR-TO-DATE	470,511					
FEBRUARY	167,267					
YEAR-TO-DATE	637,778					
MARCH	664,735					
YEAR-TO-DATE	1,302,513					
APRIL	744,601					
YEAR-TO-DATE	2,047,114					
MAY	609,069					
YEAR-TO-DATE	2,656,183					
JUNE	185,815					
YEAR-TO-DATE	2,841,998					
JULY	42,223					
YEAR-TO-DATE	2,884,221					
AUGUST	38,584					
YEAR-TO-DATE	2,922,805					
SEPTEMBER	234,864					
YEAR-TO-DATE	3,157,669					
OCTOBER	288,083					
YEAR-TO-DATE	3,445,752					
NOVEMBER	313,866					
YEAR-TO-DATE	3,759,618					
DECEMBER	769,001					
YEAR-TO-DATE	4,528,619					

1. Adjusted for 1% losses
2. Generation times [greater of (i) Adjusted Floor Energy Price (ii) Floor Energy Price (iii) Energy Purchase Price]
3. 10% Decrement of Avoided Costs
4. Generation times Estimated Energy Purchase Price
5. Cost to Company less Estimated Avoided Cost of Energy

RELEVANT CHANGES TO
MONTHLY BILLING

Pioneer Hydro	INPUTS

MONTH	December-04		Billing Kwh.
REPORTED KWH	809,475	**total *.95 =	769,001
$/KWH	[redacted]	**Per Article III of contract effective 2/6/1999 $	[redacted]
COST TO COMPANY		DONE WHEN AMENDMENT STOPPED 1/1/2000)	
EST PRICE 1ST QTR		**10% DECREMENT OF AVOIDED COST**	
EST PRICE 2ND QTR			
EST PRICE 3RD QTR			
EST PRICE 4TH QTR			

DUE DATE: January 31, 2005 **30 Days from receipt of values

OTHER INPUTS

MONTH	BILLING KWH	ADJUSTED FLOOR ENERGY PRICE	FLOOR ENERGY PRICE
JAN	470,511	0.00000	[redacted]
FEB	167,267	0.00000	
MAR	664,735	0.00000	
APR	744,601	0.00000	
MAY	609,069	0.00000	
JUN	185,815	0.00000	
JUL	42,223	0.00000	
AUG	38,584	0.00000	
SEP	234,864	0.00000	
OCT	288,083	0.00000	
NOV	313,866	0.00000	
DEC	769,001	0.00000	

4,528,619
x .05
4,755,049

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

PIONEER HYDROELECTRIC COMPANY
December-05

MONTH	GENERATION (KWH) (1)	COST TO COMPANY ($'s) (2)	ESTIMATED ENERGY PURCHASE PRICE ($'s/KWH) (3)	ESTIMATED AVOIDED COST OF ENERGY ($'s) (4)	INTEREST ($'s)	ESTIMATED ENERGY BANK ($'s) (5)
JANUARY	707,513	[redacted]	[redacted]	[redacted]		
YEAR-TO-DATE	707,513					
FEBRUARY	573,620					
YEAR-TO-DATE	1,281,133					
MARCH	555,066					
YEAR-TO-DATE	1,836,199					
APRIL	793,146					
YEAR-TO-DATE	2,629,345					
MAY	704,496					
YEAR-TO-DATE	3,333,841					
JUNE	268,959					
YEAR-TO-DATE	3,602,800					
JULY	247,423					
YEAR-TO-DATE	3,850,223					
AUGUST	5					
YEAR-TO-DATE	3,850,228					
SEPTEMBER	4,650					
YEAR-TO-DATE	3,854,878					
OCTOBER	619,514					
YEAR-TO-DATE	4,474,392					
NOVEMBER	762,698					
YEAR-TO-DATE	5,237,090					
DECEMBER	762,108					
YEAR-TO-DATE	5,999,199					

1. Adjusted for 1% losses
2. Generation times [greater of (i) Adjusted Floor Energy Price (ii) Floor Energy Price (iii) Energy Purchase Price]
3. 10% Decrement of Avoided Costs
4. Generation times Estimated Energy Purchase Price
5. Cost to Company less Estimated Avoided Cost of Energy

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

RELEVANT CHANGES TO
MONTHLY BILLING

Pioneer Hydro	INPUTS

MONTH	December-05		Billing Kwh.
REPORTED KWH	802,220 **total *.95	=	762,109
$/KWH	[redacted] Per Article III of contract effective 2/6/1999 [redacted]		
COST TO COMPANY	[redacted] ONE WHEN AMENDMENT STOPPED 1/1/2000)		
EST PRICE 1ST QTR	[redacted] **10% DECREMENT OF AVOIDED COST**		
EST PRICE 2ND QTR			
EST PRICE 3RD QTR			
EST PRICE 4TH QTR			

DUE DATE: **January 30, 2006** **30 Days from receipt of values

OTHER INPUTS

MONTH	BILLING KWH	ADJUSTED FLOOR ENERGY PRICE	FLOOR ENERGY PRICE
JAN	707,513	0.00000	[redacted]
FEB	573,620	0.00000	
MAR	555,066	0.00000	
APR	793,146	0.00000	
MAY	704,496	0.00000	
JUN	268,959	0.00000	
JUL	247,423	0.00000	
AUG	5	0.00000	
SEP	4,650	0.00000	
OCT	619,514	0.00000	
NOV	762,698	0.00000	
DEC	762,109	0.00000	

Appendix F – ComElectric Annual Invoice Reports for Pioneer Hydro Inc.

PIONEER HYDROELECTRIC COMPANY
December-06

MONTH	GENERATION (KWH) (1)	COST TO COMPANY ($'s) (2)	ESTIMATED ENERGY PURCHASE PRICE ($'s/KWH) (3)	ESTIMATED AVOIDED COST OF ENERGY ($'s) (4)	INTEREST ($'s)	ESTIMATED ENERGY BANK ($'s) (5)
JANUARY	892,753	[redacted]	[redacted]	[redacted]		[redacted]
YEAR-TO-DATE	892,753					
FEBRUARY	723,240					
YEAR-TO-DATE	1,615,993					
MARCH	407,574					
YEAR-TO-DATE	2,023,567					
APRIL	342,694					
YEAR-TO-DATE	2,366,261					
MAY	624,521					
YEAR-TO-DATE	2,990,782					
JUNE	747,517					
YEAR-TO-DATE	3,738,299					
JULY	458,370					
YEAR-TO-DATE	4,196,669					
AUGUST	62,372					
YEAR-TO-DATE	4,259,041					
SEPTEMBER	39,867					
YEAR-TO-DATE	4,298,908					
OCTOBER	306,893					
YEAR-TO-DATE	4,605,801					
NOVEMBER	730,564					
YEAR-TO-DATE	5,336,365					
DECEMBER	541,985					
YEAR-TO-DATE	5,878,350					

1. Adjusted for 1% losses
2. Generation times [greater of (i) Adjusted Floor Energy Price (ii) Floor Energy Price (iii) Energy Purchase Price]
3. 10% Decrement of Avoided Costs
4. Generation times Estimated Energy Purchase Price
5. Cost to Company less Estimated Avoided Cost of Energy