

VERMONT PUBLIC POWER SUPPLY AUTHORITY

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SUBMITTED ELECTRONICALLY 10/26/2012

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Blvd
Warwick, RI 02888
Attn: Renewable Energy Resources Eligibility

October 26, 2012

Re: Highgate Falls Unit #5 Application for consideration as a class I Renewable Resource

Ms. Massaro:

Vermont Public Power Supply Authority ("VPPSA") is pleased to submit this application on behalf of Swanton Village Electric Department for class I renewable resource eligibility for Highgate Falls Unit #5 under Rhode Island's renewable portfolio standard.

Highgate Falls Unit #5 is a new generator installed in the spillway of the existing generation facility known as Highgate Falls. The unit is applying for class I eligibility in Rhode Island as incremental new generation. Highgate Falls Unit #5 is entirely within the existing infrastructure at the Highgate Falls generating station – no new structures or impoundments were constructed. Highgate Falls Unit #5 is metered and reported to GIS separately from the primary generating station.

VPPSA is acting on behalf of Swanton Village and will be the primary contact for this application.

Provided below for reference is a schedule of appendixes and attachments included with the application:

Appendix B – included per application instructions section 1.8

Appendix C – included per application instructions section 3.3

Attachment A – Highgate Unit #5 Maine PUC order granting Maine 'New' (i.e. class I) status; included per application instructions section 2.8

Attachment B – Highgate Falls Unit #5 Meter Data showing first generation reported 3/13/12; included per application instructions section 3.1

Attachment C – Highgate Falls generating station (primary units) historical generation 1996-1998; included per Appendix C instructions section C.13(c). *Note that monthly electronic data for Highgate Falls (primary units) is not available before 1996. We have included 1996-1998 as a substitute for the requested timeframe 1995-1997. Annualized data for years prior to 1996 is available in print should it be necessary to the Commission.*

Additionally the following information is provided in reference to Appendix C section C.13(b):

Highgate Falls Generation Unit Asset Identification Number (ISO-NE ID): 783

Highgate Falls Average Annual Generation 1996-1998: 48,284 MWh

Should there be any additional questions please do not hesitate to contact me.

Regards,



Gregory E. Morse, ERP
Sr. Power Analyst
Vermont Public Power Supply Authority

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 7 – June 11, 2010)**

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):
Highgate Falls Unit #5
- 1.2 Type of Certification being requested (check one):
☒ Standard Certification ☐ 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
- ☒ APPENDIX C: Existing Renewable Energy Resources
- ☐ 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: Gregory Morse, Senior Power Analyst
- 1.5 Primary Contact Person address and contact information:
Address: Vermont Public Power Supply Authority
5195 Waterbury-Stowe Rd.
Waterbury Center, VT 05677
Phone: 802-882-8508 Fax: 802-244-6889
Email: gmorse@vppsa.com
- 1.6 Backup Contact Person name and title: Brian Callnan, Director of Power Supply and Transmission
- 1.7 Backup Contact Person address and contact information:
Address: Vermont Public Power Supply Authority
5195 Waterbury-Stowe Rd
Waterbury Center, VT 05677
Phone: 802-882-8510 Fax: 802-244-6889
Email: bcallnan@vppsa.com

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):
Reginald Beliveau, Swanton Village Electric Department General Manager

Appendix A or B (as appropriate) completed and attached? ☒ Yes ☐ No ☐ N/A

- 1.9 Authorized Representative address and contact information:

Address: Swanton Village Electric Department
P.O. Box 279
Swanton, VT 05488
Phone: 802-868-3397 Fax: _____
Email: rbeliveau@swanton.net

- 1.10 Owner name and title: Swanton Village Electric Department

- 1.11 Owner address and contact information:

Address: Swanton Village Electric Department
P.O. Box 279
Swanton, VT 05488
Phone: 802-868-3397 Fax: _____
Email: rbeliveau@swanton.net

- 1.12 Owner business organization type (check one):

☐ Individual
☐ Partnership
☐ Corporation
☒ Other: Municipal Electric Department

- 1.13 Operator name and title: Swanton Village Electric Department

- 1.14 Operator address and contact information:

Address: Swanton Village Electric Department
P.O. Box 279
Swanton, VT 05488
Phone: 802-868-3397 Fax: _____
Email: rbeliveau@swanton.net

- 1.15 Operator business organization type (check one):

☐ Individual
☐ Partnership
☐ Corporation
☒ Other: Municipal Electric Department

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): GIS: NON35237
- 2.2 Generation Unit Nameplate Capacity: 0.572 MW
- 2.3 Maximum Demonstrated Capacity: 0.530 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
 - ☒ 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 3.32*
- ☒ ← 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 3.32*
- ☒ ← 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 2.4 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 ☒ 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 ☐ No If yes, please attach a copy of that state's certifying order.

Copy of State's certifying order attached? ☒ Yes ☐ No ☐ 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 3 / 1 3 / 1 2 at the site.

If the commercial operation date is after December 31, 1997, please provide independent verification, such as the utility log or metering data, showing that the meter first spun after December 31, 1997. This is needed in order to verify that the facility qualifies as a New Renewable Energy Resource.

Documentation attached? ☒ Yes ☐ No ☐ N/A

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

☒ 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? ☒ 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

☒ 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):

- ☐ ISO-NE Market Settlement System
☐ Self-reported to the NEPOOL GIS Administrator
☒ Other (please specify below and see Appendix D: Eligibility for Aggregations):
Vermont Public Power Supply Authority acts as 3rd Party Meter Reader

Appendix D completed and attached?

☐ Yes ☐ No ☒ N/A

SECTION V: Location

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

- ☒ 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: unit does not have a street address; mailing address is same as Swanton Village Electric Department

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

- A. Universal Transverse Mercator Coordinates: Zone 18 North; 654055 4977506
B. Longitude/Latitude: -73.0476 W / 44.9343 N

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

- ☒ 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 ☒ 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 ☐ No ☒ N/A

Corporate Certification provided? ☐ 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 ☒ 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 ☐ 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:

L. Gerald R. Bevilacqua
Swanta Village Manager
(Title)

DATE:

10-23-2012

GIS Certification #:

APPENDIX B

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

**STATE OF RHODE ISLAND
PUBLIC UTILITIES COMMISSION**

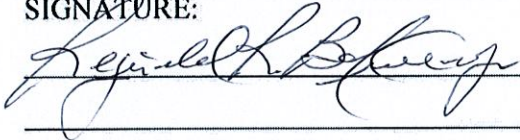
RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM

**Pursuant to the Renewable Energy Act
Section 39-26-1 et. seq. of the General Laws of Rhode Island**

RESOLUTION OF AUTHORIZATION

Resolved: that Reginald Beliveau, 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 Swanton Village Electric Department
the Owner or Operator of the Generation Unit named in section 1.1 of the Application.

SIGNATURE:



DATE:

10-23-2012

State: VT

County: Franklin

(TO BE COMPLETED BY NOTARY) I, Trish M Foote as a
notary public, certify that I witnessed the signature of the above named Reginald Beliveau
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: October 23, 2012.

SIGNATURE:



DATE:

10/23/12

My commission expires on: 2/10/15

NOTARY SEAL:

APPENDIX C
(Revised 6/11/10)
(Required of all Applicants with Generation Units at the Site of Existing
Renewable Energy Resources)

STATE OF RHODE ISLAND
PUBLIC UTILITIES COMMISSION

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? ☐ 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 ☐ No
- C.4 Is the Generation Unit a Repowered Generation Unit (as defined in Section 3.29 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 ☐ 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 ☐ 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 Sections 3.10 and 3.15 of the RES Regulations)? ☐ Yes ☐ 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 3.23.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.

Please 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 make this calculation by comparing actual electrical output over the three calendar years 1995-1997 (the “Historical Generation Baseline”) with the actual output following the improvements. The incremental production above the Historical Generation Baseline will be considered “New” generation for the purposes of RES. Please give the percentage of the facility’s total output that qualifies as such to be considered “New” generation.

- C.10 Is the Generating Unit an Existing Renewable Energy Resource that is an Intermittent Resource? ☐ 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 3.23.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. The incremental production above the Historical Generation Baseline will be considered “New” generation for the purposes of RES. Please make this calculation by comparing actual monthly electrical output over the three calendar years 1995-1997 (the “Historical Generation Baseline”) with the actual output following the improvements on a normalized basis. Please provide back-up

information sufficient for the Commission to make a determination of this incremental production percentage.

For example, for small hydro facilities, please use historical river flow data to create a monthly normalized comparison (e.g. average MWh produced per cubic foot/second of river flow for each month) between actual output values post-improvements with the Historical Generation Baseline. For solar and wind facilities, please use historical solar irradiation, wind flow, or other applicable data to normalize the facility's current production against the Historical Generation Baseline.

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? ☐ 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.

STATE OF MAINE
PUBLIC UTILITIES COMMISSION

Docket No. 2012-00240

September 10, 2012

VERMONT PUBLIC POWER SUPPLY AUTHORITY. ORDER GRANTING NEW
ON BEHALF OF SWANTON VILLAGE ELECTRIC RENEWABLE RESOURCE
DEPARTMENT CERTIFICATION
Request for Certification for RPS Eligibility

WELCH, Chairman; LITTELL and VANNOY, Commissioners

I. SUMMARY

Swanton Village Electric Department's ("Swanton Village") new 800 kW hydro-electric generation unit ("Highgate Falls Unit #5") located on the Missisquoi River in the town of Highgate, Franklin County, Vermont is certified as a Class I new renewable resource that is eligible to satisfy Maine's new renewable resource portfolio requirement pursuant to Chapter 311, § 3(B)(3)(b) of the Commission rules.

II. BACKGROUND

A. New Renewable Resource Portfolio Requirement

During its 2007 session, the Legislature enacted an Act To Stimulate Demand for Renewable Energy (Act). P.L. 2007, ch. 403 (codified at 35-A M.R.S.A. § 3210(3-A)). The Act added a mandate that specified percentages of electricity that supply Maine's consumers come from "new" renewable resources.¹ Generally, new renewable resources are renewable facilities that have an in-service date, resumed operation or were refurbished after September 1, 2005. The percentage requirement starts at one percent in 2008 and increases in annual one percent increments to ten percent in 2017, unless the Commission suspends the requirement pursuant to the provisions of the Act.

As required by the Act, the Commission modified its portfolio requirement rule (Chapter 311) to implement the "new" renewable resource requirement. *Order*

¹ Maine's electric restructuring law, which became effective in March 2000, contained a portfolio requirement that mandated that at least 30% of the electricity to supply retail customers in the State come from eligible resources, which are either renewable or efficient resources. 35-A M.R.S.A. § 3210(3). The Act did not modify this 30% requirement.

Adopting Rule and Statement of Factual and Policy Basis, Docket No. 2007-391 (Oct. 22, 2007). The implementing rules designated the “new” renewable resource requirement as “Class I”² and incorporated the resource type, capacity limit and the vintage requirements as specified in the Act. The rules thus state that a new renewable resource used to satisfy the Class I portfolio requirement must be of the following types:

- fuel cells;
- tidal power;
- solar arrays and installations;
- wind power installations;
- geothermal installations;
- hydroelectric generators that meet all state and federal fish passage requirement; or
- biomass generators, including generators fueled by landfill gas.

In addition, except for wind power installations, the generating resource must not have a nameplate capacity that exceeds 100 MW. Finally, the resource must satisfy one of four vintage requirements. These are:

- 1) renewable capacity with an in-service date after September 1, 2005;
- 2) renewable capacity that has been added to an existing facility after September 1, 2005;
- 3) renewable capacity that has not operated for two years or was not recognized as a capacity resource by the ISO-NE or the NMISA and has resumed operation or has been recognized by the ISO-NE or NMISA after September 1, 2005; or
- 4) renewable capacity that has been refurbished after September 1, 2005 and is operating beyond its useful life or employing an alternate technology that significantly increases the efficiency of the generation process.

The implementing rules (Chapter 311, § 3(B)(4)) establish a certification process that requires generators to pre-certify facilities as a new renewable resource under the requirements of the rule and provides for a Commission determination of resource eligibility on a case-by-case basis.³ The rule contains the information that

² The “new” renewable resource requirement was designated as Class I because the requirement is similar to portfolio requirements in other New England states that are referred to as “Class I.” Maine’s pre-existing “eligible” resource portfolio requirement is designated as Class II.

³ In the *Order Adopting Rule* at 6, the Commission noted that a request for certification can be made at any time so that a ruling can be obtained before a capital investment is made in a generation facility.

must be included in a petition for certification and specifies that the Commission shall provide an opportunity for public comment if a petitioner seeks certification under vintage categories 2, 3 and 4. Finally, the rule specifies that the Commission may revoke a certification if there is a material change in circumstance that renders the generation facility ineligible as a new renewable resource.

B. Petition for Certification

On May 24, 2012, Vermont Public Power Supply Authority (“VPPSA”) filed a petition on behalf of Swanton Village to certify its new 800 kW Highgate Falls Unit #5 (“Facility”) as a Class I New Renewable Resource under Chapter 311, § 3(B)(3)(b) of the Commission rules (added capacity vintage category). The Facility is located in the spillway of the existing Highgate Falls hydroelectric generating station on the Missisquoi River in the town of Highgate, county of Franklin, Vermont. The petition states the Facility began operations on March 13, 2012. According to the petition, while the output of the Facility is separately metered from the pre-existing Highgate Falls generating station, the Facility is a load reducer (i.e., “behind-the-meter”). The petitioner, VPPSA, proposes to be the registered third party meter reader on behalf of the owner of the Facility, Swanton Village.

An opportunity for comment was issued on June 19, 2012. No comments were received. The Commission Staff issued follow-up questions on July 20, 2012 seeking clarification on the total nameplate capacity of the entire Highgate Falls generating station and requesting documentation and explanation on how the Facility meets fish passage requirements. VPPSA filed its response on August 16, 2012.

III. **DECISION**

The Commission has delegated to the Director of the Electric and Gas Division the authority to certify generation facilities as Class I new renewable resources pursuant to Chapter 311, § 3(B) of the Commission rules. *Delegation Order*, Docket No. 2008-184 (April 23, 2008). Based on the information provided by VPPSA on behalf of Swanton Village, I conclude that the Facility satisfies the resource type, capacity limit and vintage requirements of the rule. The Facility is a hydroelectric generator that meets all fish passage requirements, the total Highgate Falls generating station capacity does not exceed 100 MW, and the Facility commenced commercial operations after September 1, 2005. While the electricity from the Facility is behind-the-meter, the Commission has found that self-delivery of electricity can qualify for Maine Class I certification if it is located in the ISO-NE control area (see *Order (Part I) Granting New Renewable Resource Certification*, Docket No. 2012-87 (April 10, 2012)).

Accordingly, the Facility is hereby certified as a Class I New Renewable Resource eligible to satisfy Maine’s New Renewable Resource portfolio requirement pursuant to Chapter 311, § 3(B)(3)(b) of the Commission rules.

As we have required in other certifications regarding behind-the-meter facilities, the Facility must be in compliance with GIS NEPOOL Rules. VPPSA may be the 3rd party meter reader as long as they are in accordance with these Rules.

Finally, Swanton Village, or the Facility's successive owner, shall provide timely notice to the Commission of any material change in the operation of the facility, including the type of fuel used in the generation process, from that described in the petition filed in this proceeding.

BY ORDER OF THE DIRECTOR OF THE ELECTRIC AND GAS
UTILITY INDUSTRIES

A handwritten signature in black ink that reads "Faith Huntington". The signature is written in a cursive, flowing style. It is positioned above a horizontal line.

Faith Huntington

NOTICE OF RIGHTS TO REVIEW OR APPEAL

5 M.R.S.A. § 9061 requires the Public Utilities Commission to give each party to an adjudicatory proceeding written notice of the party's rights to review or appeal of its decision made at the conclusion of the adjudicatory proceeding. The methods of review or appeal of PUC decisions at the conclusion of an adjudicatory proceeding are as follows:

1. Reconsideration of the Commission's Order may be requested under Section 1004 of the Commission's Rules of Practice and Procedure (65-407 C.M.R.110) within **20** days of the date of the Order by filing a petition with the Commission stating the grounds upon which reconsideration is sought. Any petition not granted within 20 days from the date of filing is denied.
2. Appeal of a final decision of the Commission may be taken to the Law Court by filing, within **21** days of the date of the Order, a Notice of Appeal with the Administrative Director of the Commission, pursuant to 35-A M.R.S.A. § 1320(1)-(4) and the Maine Rules of Appellate Procedure.
3. Additional court review of constitutional issues or issues involving the justness or reasonableness of rates may be had by the filing of an appeal with the Law Court, pursuant to 35-A M.R.S.A. § 1320(5).

Note: The attachment of this Notice to a document does not indicate the Commission's view that the particular document may be subject to review or appeal. Similarly, the failure of the Commission to attach a copy of this Notice to a document does not indicate the Commission's view that the document is not subject to review or appeal.

PEAK HOURLY LOAD:	523 KW at 1:00 PM on Saturday March 24	MAXIMUM DAILY LOAD:	Saturday March 24	12,522 KWH			
TOTAL MONTHLY LOAD:	172,837 KWH						
NET HYDRO GEN.:	172,837 KWH	NET DIESEL GEN.:	0 KWH	NET PURCHASES:	0 KWH		
Monthly (Also Avg. Daily) Load Factor:	44.4%	Avg. Weekday Load Factor:	44.8%	Avg. Saturday Load Factor:	42.1%	Avg. Sunday Load Factor:	46.5%

Swanton Hydro Gen 5																											
DATE	DAY	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM	MDNT	Total	
AV WEEK DAY		202	202	207	228	239	241	241	240	230	243	244	245	246	246	242	231	241	241	242	241	239	229	226	226	225	
AVERAGE SAT		219	218	218	218	220	220	220	219	219	220	220	220	221	221	221	221	221	221	221	221	221	222	222	221		
AVERAGE SUN		255	255	254	254	255	255	255	255	255	255	254	254	255	255	254	254	254	254	254	254	253	250	192	146		
AV WKND DAY		235	234	234	234	234	235	235	235	235	235	235	235	236	236	236	236	236	236	236	235	234	208	188	188		
1 Thu		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2 Fri		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
3 Sat		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
4 Sun		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
5 Mon		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6 Tue		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
7 Wed		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8 Thu		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
9 Fri		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10 Sat		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11 Sun		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12 Mon		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
13 Tue		0	0	0	0	0	0	0	1	38	457	512	512	512	512	508	511	511	511	511	507	503	498	494	492	0	
14 Wed		489	482	477	472	470	493	490	488	486	487	482	486	499	498	500	499	499	504	499	500	501	500	500	499	7,591	
15 Thu		500	498	497	496	494	497	496	495	495	496	499	499	499	501	501	502	502	504	505	506	510	509	508	506	11,800	
16 Fri		506	506	506	506	506	507	507	507	507	508	507	507	508	508	507	506	499	498	496	494	489	485	482	482	12,015	
17 Sat		486	482	481	479	479	491	490	488	486	492	492	490	494	494	494	494	495	496	497	497	497	499	498	497	12,034	
18 Sun		496	496	495	495	496	498	499	498	499	500	500	500	502	502	502	502	502	503	504	503	503	502	500	499	11,788	
19 Mon		498	497	496	496	496	497	498	497	498	499	499	499	500	500	500	500	500	500	500	501	500	499	500	498	11,996	
20 Tue		498	497	497	496	497	498	498	499	499	499	500	500	502	502	502	502	503	503	504	504	504	504	504	504	11,969	
21 Wed		503	503	504	504	504	505	506	506	506	507	507	507	508	508	508	508	509	509	510	510	510	511	511	512	12,015	
22 Thu		512	512	512	512	512	512	513	512	514	514	514	514	515	515	516	516	519	518	517	517	517	517	517	517	12,179	
23 Fri		517	518	517	518	518	518	518	518	518	518	492	518	519	518	518	518	519	519	519	520	519	520	520	520	12,355	
24 Sat		520	521	521	521	521	521	521	521	521	521	522	522	523	523	523	523	523	522	522	522	522	522	522	522	12,418	
25 Sun		522	522	522	522	522	521	521	521	520	518	517	517	517	516	515	514	514	513	512	511	509	495	265	87	11,284	
26 Mon		86	86	86	86	85	85	85	85	85	84	84	84	85	87	88	163	376	393	392	345	119	86	86	86	3,327	
27 Tue		87	88	199	484	519	518	517	517	515	514	513	512	511	504	414	97	86	86	86	85	84	83	83	84	7,186	
28 Wed		85	87	89	169	316	340	339	338	219	88	87	86	86	86	86	87	88	87	87	86	86	85	85	86	3,278	
29 Thu		86	88	90	189	253	253	253	219	89	87	86	86	86	87	87	89	88	86	85	83	82	82	81	81	83	2,793
30 Fri		85	87	89	88	88	88	88	87	87	87	87	87	87	87	87	87	88	88	88	88	89	88	88	88	89	2,103
31 Sat		89	88	88	88	88	88	88	88	88	88	88	88	87	87	87	87	87	88	89	88	88	88	88	88	88	2,110

Vermont Public Power Supply Authority			Village of Swanton			Apr 01 - Apr 30, 2012		
PEAK HOURLY LOAD:			523 KW at 9:00 AM on Friday April 13			MAXIMUM DAILY LOAD: Sunday April 29		
TOTAL MONTHLY LOAD:			161,678 KWH			12,483 KWH		
NET HYDRO GEN.:			161,678 KWH			NET PURCHASES: 0 KWH		
Monthly (Also Avg. Daily) Load Factor:			42.9%			Avg. Sunday Load Factor: 33.5%		
			Avg. Weekday Load Factor:			Avg. Saturday Load Factor:		
			46.2%			37.8%		
			Avg. Weekday Load Factor:			Avg. Saturday Load Factor:		
			46.2%			37.8%		

Swanton Hydro Gen 5																											
Total Hourly Load Data - Kilowatts																											
DATE	DAY	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM	MDNT	Total	
AV WEEK DAY		231	232	245	251	249	238	231	248	271	272	272	272	261	225	227	231	231	231	231	231	231	231	231	231	231	
AVERAGE SAT		196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	
AVERAGE SUN		175	175	175	174	175	175	175	175	175	175	175	175	175	174	175	174	175	175	175	175	175	175	175	175	174	
AV WKND DAY		184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	
1 Sun		87	88	88	88	88	88	88	88	88	88	88	88	87	87	87	87	88	88	88	89	88	88	88	88	2,109	
2 Mon		88	87	87	87	88	88	88	88	88	88	88	88	88	88	88	88	89	89	88	89	88	88	88	88	2,113	
3 Tue		88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	2,111	
4 Wed		88	88	88	88	88	89	88	88	88	88	88	88	88	86	71	88	88	88	88	88	88	88	88	88	2,095	
5 Thu		88	89	89	89	89	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	2,111	
6 Fri		88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	2,113	
7 Sat		88	88	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	88	89	88	2,132	
8 Sun		89	88	88	88	88	88	88	88	88	88	88	88	88	88	89	88	88	88	88	88	88	88	88	88	2,117	
9 Mon		88	88	88	88	88	88	89	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	2,115	
10 Tue		89	107	376	517	516	516	516	516	516	516	516	516	516	516	516	516	516	516	516	515	515	515	514	514	11,401	
11 Wed		513	513	512	512	512	512	513	513	514	514	514	515	514	515	515	514	515	515	515	515	517	518	517	517	12,346	
12 Thu		517	518	517	518	517	518	518	518	518	519	520	519	520	520	520	520	519	520	520	520	521	521	521	521	521	12,460
13 Fri		521	521	521	521	521	522	521	522	523	522	520	515	311	91	88	88	88	88	88	88	88	88	88	88	88	7,532
14 Sat		88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	2,112	
15 Sun		89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	88	88	88	88	88	88	88	88	2,128	
16 Mon		89	89	89	89	89	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	2,121	
17 Tue		88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	2,112	
18 Wed		88	88	88	88	88	88	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	2,115	
19 Thu		88	88	88	88	88	88	89	88	89	88	89	88	82	10	89	89	88	88	88	88	89	88	89	89	2,041	
20 Fri		89	89	89	89	89	89	89	89	88	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	2,135	
21 Sat		90	90	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	2,138	
22 Sun		89	89	89	89	89	89	89	89	89	89	89	89	88	88	87	88	87	88	87	88	87	88	88	88	2,119	
23 Mon		87	88	88	87	88	89	89	206	488	520	520	518	516	514	514	514	515	514	513	511	511	511	510	510	9,021	
24 Tue		511	510	510	510	510	510	510	511	511	511	512	513	512	513	514	513	513	514	514	514	514	514	515	515	12,295	
25 Wed		516	516	517	517	517	517	518	519	519	520	520	521	521	519	521	521	521	520	520	521	521	521	521	521	521	12,465
26 Thu		521	521	521	521	521	522	521	521	520	519	519	517	507	319	97	88	88	88	88	88	87	88	88	88	88	7,958
27 Fri		88	88	88	88	88	88	93	313	520	523	522	521	521	521	234	446	517	517	518	517	517	517	517	517	8,876	
28 Sat		518	517	518	518	517	518	518	518	518	518	518	518	519	518	518	519	518	518	519	519	519	519	519	519	12,438	
29 Sun		519	519	520	519	519	520	519	520	520	520	520	520	521	521	521	521	521	521	521	521	521	521	521	521	12,483	
30 Mon		519	519	518	517	471	231	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	4,359

Vermont Public Power Supply Authority			Village of Swanton			May 01 - May 31, 2012		
PEAK HOURLY LOAD:			530 KW at 10:00 AM on Monday May 14			MAXIMUM DAILY LOAD: Saturday May 12		
TOTAL MONTHLY LOAD:			149,380 KWH			12,455 KWH		
NET HYDRO GEN.:			149,380 KWH			NET PURCHASES: 0 KWH		
Monthly (Also Avg. Daily) Load Factor:			37.9%			Avg. Sunday Load Factor: 30.0%		
Avg. Weekday Load Factor:			39.5%			Avg. Sunday Load Factor:		

Total Hourly Load Data - Kilowatts																		
DATE	DAY	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM
Swanton Hydro Gen 5																		
AV WEEK DAY		181	181	190	201	211	213	202	213	229	237	236	234	229	214	206	196	195
AVERAGE SAT		195	197	197	196	195	195	195	195	195	196	196	196	196	196	196	196	196
AVERAGE SUN		196	196	196	196	196	196	197	197	197	197	196	196	196	182	128	88	88
AV WKND DAY		196	196	196	196	196	195	196	196	196	196	196	196	196	189	162	142	142
1 Tue		88	88	88	87	88	88	87	88	88	88	88	88	88	88	89	88	88
2 Wed		88	88	88	88	88	88	88	88	89	88	89	89	89	88	89	89	88
3 Thu		89	89	88	89	88	88	88	88	88	88	88	88	88	88	88	89	88
4 Fri		88	88	88	88	88	88	89	88	88	89	89	89	35	0	0	0	0
5 Sat		89	89	89	89	88	88	88	88	88	88	88	88	88	88	89	89	89
6 Sun		88	88	88	88	88	88	89	89	89	89	89	89	89	89	89	89	88
7 Mon		89	89	89	89	89	89	89	89	89	89	88	89	89	88	89	89	89
8 Tue		89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
9 Wed		89	90	90	127	356	510	518	517	516	516	506	466	457	452	322	98	86
10 Thu		88	88	88	88	88	89	97	166	340	517	520	520	520	521	521	521	521
11 Fri		522	522	523	521	520	519	518	518	518	518	518	517	516	516	516	518	517
12 Sat		517	522	522	520	518	517	518	518	518	518	518	518	518	519	519	519	519
13 Sun		520	521	521	521	521	521	522	522	521	521	520	519	518	517	462	248	89
14 Mon		87	87	87	87	87	88	94	323	528	530	524	518	446	151	87	87	88
15 Tue		88	87	87	87	87	87	88	88	88	88	88	88	87	88	87	88	88
16 Wed		88	90	290	516	522	522	521	521	519	516	516	516	516	517	516	516	516
17 Thu		516	517	517	517	517	517	517	517	517	517	518	517	518	518	518	518	518
18 Fri		517	516	516	515	514	413	135	87	87	87	87	87	87	87	87	87	87
19 Sat		87	87	87	87	87	87	87	87	87	87	88	87	88	88	88	87	88
20 Sun		87	87	87	87	87	87	87	88	88	88	88	88	88	88	88	88	88
21 Mon		87	87	87	87	87	88	88	88	88	88	88	88	88	88	88	88	88
22 Tue		88	88	88	88	88	88	88	88	87	88	88	88	88	88	88	88	88
23 Wed		88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
24 Thu		88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
25 Fri		88	88	88	87	88	88	88	88	88	88	88	88	88	88	89	88	88
26 Sat		88	88	88	88	87	87	87	88	88	88	88	89	88	88	88	88	88
27 Sun		88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
28 Mon		88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
29 Tue		88	88	88	88	88	88	88	88	88	88	88	88	88	89	89	89	88
30 Wed		510	510	510	509	508	508	507	507	508	509	509	508	508	507	506	505	505
31 Thu		505	506	506	506	506	506	505	506	505	506	506	507	507	509	508	510	511

PEAK HOURLY LOAD:	513 KW at 2:00 AM on Friday June 1	MAXIMUM DAILY LOAD:	Thursday June 28	12,174 KWH			
TOTAL MONTHLY LOAD:	81,701 KWH						
NET HYDRO GEN.:	81,701 KWH	NET DIESEL GEN.:	0 KWH	NET PURCHASES:	0 KWH		
Monthly (Also Avg. Daily) Load Factor:	22.1%	Avg. Weekday Load Factor:	24.7%	Avg. Saturday Load Factor:	96.0%	Avg. Sunday Load Factor:	99.4%

Total Hourly Load Data - Kilowatts																									Swanton Hydro Gen 5				
DATE	DAY	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM	MDNT	Total			
AV WEEK DAY		144	144	144	144	144	145	144	144	136	123	107	100	101	104	110	122	123	123	123	122	122	122	122	123				
AVERAGE SAT		82	82	82	83	83	83	83	83	84	84	84	83	83	83	83	83	82	82	81	81	81	81	81	82				
AVERAGE SUN		82	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	83	83	83	83				
AV WKND DAY		82	82	83	83	83	83	83	84	84	84	84	84	84	83	83	83	83	83	82	82	82	82	82	82				
1 Fri		512	513	512	512	511	511	510	508	329	92	83	82	83	83	83	83	83	82	81	81	80	80	79	81	5,655			
2 Sat		81	82	83	84	84	84	84	84	83	83	83	82	81	81	81	81	81	80	80	81	80	80	80	80	1,965			
3 Sun		80	82	83	84	84	84	84	84	84	84	84	83	83	82	82	83	83	83	82	81	80	79	80	80	1,981			
4 Mon		81	83	84	84	84	84	83	83	83	84	83	83	83	82	82	83	82	81	80	79	78	79	80	80	1,967			
5 Tue		81	83	84	84	84	83	83	84	83	83	83	82	82	84	84	84	83	82	81	80	79	78	79	79	1,977			
6 Wed		80	82	83	84	84	84	84	83	84	83	83	82	81	81	80	79	78	78	78	78	78	78	79	80	1,944			
7 Thu		81	82	83	84	84	84	84	84	84	84	83	83	83	81	80	79	78	78	78	78	78	78	79	80	1,946			
8 Fri		80	80	81	82	83	83	83	84	84	84	84	83	83	82	82	82	81	81	81	80	80	80	79	79	1,963			
9 Sat		80	80	81	81	82	82	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	82	1,965			
10 Sun		82	82	83	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	83	2,007			
11 Mon		83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	83	83	83	83	83	83	83	83	2,007			
12 Tue		83	83	83	83	83	83	83	83	83	83	83	83	84	83	84	83	83	83	84	83	84	83	84	84	1,998			
13 Wed		84	84	84	84	84	84	84	84	84	65	0	3	33	86	86	86	86	86	86	86	86	86	86	86	1,803			
14 Thu		86	86	86	85	85	86	86	86	85	85	85	85	84	84	83	83	82	81	81	80	80	80	80	81	2,005			
15 Fri		81	82	82	83	83	83	84	84	85	85	85	86	85	85	85	85	84	84	84	83	84	84	84	85	2,016			
16 Sat		85	85	84	85	85	85	85	85	85	85	85	85	86	85	86	85	84	83	83	84	83	84	84	84	2,030			
17 Sun		83	84	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	2,013			
18 Mon		84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	2,011			
19 Tue		84	84	84	84	84	84	84	84	84	84	84	84	84	84	85	84	84	84	84	85	84	84	84	84	2,011			
20 Wed		84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	2,016			
21 Thu		84	84	84	84	84	84	84	84	84	84	84	84	85	84	85	84	84	85	84	84	84	84	84	84	2,015			
22 Fri		84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	2,016			
23 Sat		84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	2,016			
24 Sun		84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	2,016			
25 Mon		84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	2,016			
26 Tue		84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	2,016			
27 Wed		84	84	84	84	84	84	84	84	84	84	84	85	86	88	218	481	504	504	506	507	506	507	506	507	5,925			
28 Thu		507	507	506	505	504	505	505	507	508	509	508	508	507	507	507	507	509	509	509	508	508	508	508	508	508	12,171		
29 Fri		508	508	508	508	508	508	508	508	508	483	223	82	81	79	78	77	77	76	76	76	76	76	76	77	78	6,281		
30 Sat		78	79	79	79	80	80	81	81	82	83	83	83	83	84	83	82	81	80	79	78	77	78	78	78	1,925			

Vermont Public Power Supply Authority

Village of Swanton

Jul 01 - Jul 31, 2012

PEAK HOURLY LOAD:	512 KW at 9:00 AM on Friday July 6	MAXIMUM DAILY LOAD:	Friday July 6	5,877 KWH			
TOTAL MONTHLY LOAD:	63,935 KWH						
NET HYDRO GEN.:	63,935 KWH	NET DIESEL GEN.:	0 KWH	NET PURCHASES:	0 KWH		
Monthly (Also Avg. Daily) Load Factor:	16.8%	Avg. Weekday Load Factor:	17.2%	Avg. Saturday Load Factor:	96.3%	Avg. Sunday Load Factor:	96.4%

Swanton Hydro Gen 5																										
DATE	DAY	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM	MDNT	Total
AV WEEK DAY		81	81	81	81	81	83	96	100	100	101	100	100	100	100	99	87	80	80	80	79	80	80	80	81	1,947
AVERAGE SAT		80	80	81	81	81	81	81	81	82	81	82	81	81	81	82	82	81	81	81	81	80	81	81	81	1,901
AVERAGE SUN		80	80	81	81	81	81	81	81	81	81	81	81	81	81	82	81	81	81	81	81	81	80	81	80	1,897
AV WKND DAY		80	80	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	81	80	1,928
1 Sun		79	80	80	81	81	82	82	83	83	83	83	83	83	82	81	81	81	81	80	80	80	79	80	79	1,947
2 Mon		79	79	79	79	79	80	80	80	80	80	80	80	80	80	80	80	79	78	78	78	78	78	79	79	1,901
3 Tue		79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	80	79	79	79	79	79	79	79	1,897
4 Wed		79	79	79	80	80	80	80	80	80	80	81	80	80	81	80	81	81	81	81	81	81	81	81	81	1,928
5 Thu		81	82	82	81	82	81	81	81	81	81	80	80	80	80	80	79	79	78	78	77	77	77	79	80	1,917
6 Fri		81	83	83	84	84	124	409	511	512	512	508	508	510	506	485	232	82	81	81	80	80	80	80	81	5,877
7 Sat		82	82	83	83	83	84	84	84	84	84	84	83	83	83	83	83	82	81	81	80	80	80	80	81	1,979
8 Sun		81	81	81	81	81	81	81	81	81	81	81	81	81	81	82	81	82	82	82	81	81	80	80	80	1,945
9 Mon		79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	79	1,896
10 Tue		79	79	79	79	79	79	79	79	79	79	79	80	80	80	80	80	80	81	81	81	81	81	81	81	1,918
11 Wed		80	80	81	80	80	81	81	81	80	81	81	80	80	81	80	80	80	80	81	80	80	80	80	80	1,928
12 Thu		80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	1,920
13 Fri		80	80	80	80	80	80	80	80	80	81	80	80	80	81	80	81	80	80	81	80	81	80	81	80	1,927
14 Sat		80	80	80	80	80	80	80	80	81	81	81	81	81	81	81	81	81	81	81	81	80	80	81	80	1,933
15 Sun		80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	1,921
16 Mon		80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	81	81	81	81	80	81	80	80	80	1,926
17 Tue		80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	81	1,926
18 Wed		81	81	81	81	81	81	81	81	81	82	82	81	81	81	81	81	80	79	78	78	78	79	80	80	1,926
19 Thu		80	81	81	82	82	82	82	82	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	81	1,964
20 Fri		82	81	81	82	81	82	82	82	81	81	81	80	80	80	80	80	80	80	80	80	80	80	80	80	1,935
21 Sat		79	79	79	79	79	79	79	79	80	79	79	79	80	79	80	80	80	80	80	80	79	80	79	79	1,905
22 Sun		79	79	79	79	79	79	79	79	79	79	79	79	79	80	80	80	80	80	80	80	80	80	80	80	1,909
23 Mon		80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	79	80	80	80	72	50	82	82	81	1,887
24 Tue		82	82	82	82	82	83	82	82	82	81	79	79	79	79	79	79	79	79	79	79	79	79	79	79	1,926
25 Wed		79	79	79	79	79	78	79	79	79	79	80	81	80	80	80	80	78	78	78	78	79	80	81	80	1,902
26 Thu		82	82	82	82	82	82	83	82	83	83	83	82	83	82	82	81	81	81	81	82	82	83	83	84	1,973
27 Fri		84	84	85	85	85	85	85	85	85	85	85	85	85	84	82	80	80	80	80	80	80	80	80	80	1,989
28 Sat		80	80	80	80	81	80	81	81	81	81	82	81	81	82	82	82	82	82	82	82	82	82	82	82	1,951
29 Sun		82	82	83	82	83	82	83	83	83	83	83	84	83	84	84	84	84	84	83	83	83	83	83	83	1,994
30 Mon		83	83	82	82	83	83	83	83	83	83	83	83	83	83	83	84	84	84	84	84	83	83	83	83	1,996
31 Tue		83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	1,992

Date Printed: 08/01/2012

Jul 01 - Jul 31, 2012

Village of Swanton

PEAK HOURLY LOAD:	493 KW at 2:00 PM on Sunday August 5	MAXIMUM DAILY LOAD:	Sunday August 5	2,701 KWH			
TOTAL MONTHLY LOAD:	61,042 KWH						
NET HYDRO GEN.:	61,042 KWH	NET DIESEL GEN.:	0 KWH	NET PURCHASES:	0 KWH		
Monthly (Also Avg. Daily) Load Factor:	16.6%	Avg. Weekday Load Factor:	81.5%	Avg. Saturday Load Factor:	99.3%	Avg. Sunday Load Factor:	18.2%

Total Hourly Load Data - Kilowatts																									Swanton Hydro Gen 5														
DATE	DAY	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM	MDNT	Total													
AV WEEK DAY		79	79	78	78	78	79	79	79	82	82	82	82	82	82	82	81	79	81	82	82	82	82	82	82	82													
AVERAGE SAT		82	82	82	82	82	82	82	82	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	82													
AVERAGE SUN		83	82	83	82	82	82	82	82	83	82	83	82	183	185	185	116	62	66	62	62	62	62	62	61	61													
AV WKND DAY		82	82	82	82	82	82	82	82	82	82	83	82	133	134	134	99	72	74	72	72	72	72	72	72	72													
1 Wed		83	83	83	83	83	84	83	83	84	84	83	84	84	84	84	84	84	84	83	83	83	83	84	83	2,002													
2 Thu		83	83	83	83	83	83	84	83	83	84	84	84	84	84	84	84	84	84	84	84	84	83	83	83	2,004													
3 Fri		83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	1,999													
4 Sat		83	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	1,990													
5 Sun		83	83	83	83	83	83	83	83	84	83	84	83	485	493	492	215	0	18	0	0	0	0	0	0	2,701													
6 Mon		0	0	0	0	0	0	0	0	20	83	84	84	84	83	84	84	84	99	81	82	81	81	82	81	1,277													
7 Tue		81	82	81	81	81	82	81	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,962													
8 Wed		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,967													
9 Thu		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,968													
10 Fri		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,970													
11 Sat		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,976													
12 Sun		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,975													
13 Mon		83	82	83	82	82	83	83	83	82	82	83	82	82	82	82	82	82	82	82	82	82	82	82	82	1,977													
14 Tue		82	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,974													
15 Wed		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,969													
16 Thu		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,969													
17 Fri		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,970													
18 Sat		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,968													
19 Sun		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,968													
20 Mon		82	82	81	81	81	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,965													
21 Tue		82	82	81	81	81	81	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,966													
22 Wed		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,968													
23 Thu		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,968													
24 Fri		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,973													
25 Sat		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,981													
26 Sun		83	82	83	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,969													
27 Mon		82	81	81	81	82	81	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,965													
28 Tue		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,968													
29 Wed		82	82	81	82	81	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,964													
30 Thu		82	81	81	81	81	81	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,963													
31 Fri		82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	82	1,813													

Vermont Public Power Supply Authority			Village of Swanton			Sep 01 - Sep 30, 2012		
PEAK HOURLY LOAD:			512 KW at 8:00 AM on Wednesday September 19			MAXIMUM DAILY LOAD: Thursday September 13		
TOTAL MONTHLY LOAD:			286,718 KWH			12,242 KWH		
NET HYDRO GEN.:			286,718 KWH			NET PURCHASES:		
Monthly (Also Avg. Daily) Load Factor:			77.8%			0 KWH		
			Avg. Weekday Load Factor:			Avg. Sunday Load Factor:		
			83.9%			65.7%		
			Avg. Saturday Load Factor:			Avg. Sunday Load Factor:		
			83.9%			66.1%		

Swanton Hydro Gen 5																										
Total Hourly Load Data - Kilowatts																										
DATE	DAY	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM	MDNT	Total
AV WEEK DAY		422	426	433	435	435	435	436	435	434	407	395	389	400	438	453	433	425	438	440	441	441	441	441	441	441
AVERAGE SAT		334	333	334	334	334	334	334	334	334	334	335	335	335	335	335	336	336	336	335	335	327	334	336	336	336
AVERAGE SUN		336	336	336	336	337	337	337	338	338	338	338	336	336	336	336	336	336	336	336	336	336	335	336	336	336
AV WKND DAY		335	335	335	335	335	335	336	336	336	336	336	335	336	335	336	336	336	336	336	336	332	335	336	336	336
1 Sat		84	83	83	83	83	83	83	83	83	83	83	83	83	83	83	84	84	84	84	84	84	83	84	83	2,000
2 Sun		83	83	83	83	83	83	83	83	83	83	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
3 Mon		84	84	84	84	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
4 Tue		88	165	305	347	346	346	347	346	343	298	154	83	83	83	83	84	87	212	454	506	506	506	506	506	506
5 Wed		508	508	508	508	504	496	483	467	450	407	354	348	354	356	385	408	437	459	464	471	477	480	481	483	483
6 Thu		483	484	484	485	485	489	490	490	490	491	490	491	492	491	492	492	492	492	493	494	495	496	496	497	497
7 Fri		497	498	498	498	499	499	500	500	501	501	501	502	502	501	493	281	83	81	80	80	79	78	78	78	78
8 Sat		79	79	80	80	81	82	82	83	83	82	83	82	82	82	83	82	81	80	78	77	38	71	81	80	1,899
9 Sun		80	81	82	82	83	84	84	88	91	91	90	84	84	84	84	83	83	83	83	82	82	82	82	83	83
10 Mon		83	84	84	84	84	84	84	84	84	84	84	85	247	496	509	508	509	508	508	509	509	508	508	509	6,833
11 Tue		509	509	509	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	510	12,233
12 Wed		509	509	509	509	509	509	510	509	509	510	510	510	510	510	510	510	511	511	510	510	510	510	510	510	12,233
13 Thu		510	510	510	509	510	510	510	510	509	510	510	510	510	511	511	511	510	510	510	510	510	510	510	510	12,242
14 Fri		509	509	509	509	510	509	509	509	509	509	510	510	510	510	509	510	510	510	509	509	509	509	509	510	12,222
15 Sat		509	509	509	509	509	509	509	509	509	509	509	509	509	508	509	509	509	508	508	509	509	509	508	509	12,211
16 Sun		509	508	508	508	508	508	509	509	509	509	508	508	508	508	508	508	508	508	508	508	508	508	508	508	12,200
17 Mon		508	508	508	508	508	508	508	509	508	50	0	0	52	377	510	509	509	509	509	509	509	509	509	509	10,143
18 Tue		509	509	510	509	509	509	509	509	509	509	510	509	510	510	510	510	510	510	510	509	509	509	509	509	12,222
19 Wed		510	511	511	510	509	509	511	512	510	510	511	511	510	509	508	508	507	507	506	506	507	507	507	507	12,211
20 Thu		507	507	507	507	507	507	507	507	507	509	510	511	511	511	510	509	509	508	507	508	508	508	508	507	12,191
21 Fri		508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	509	509	508	508	508	508	508	508	508	12,199
22 Sat		508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	508	12,199
23 Sun		508	508	508	508	508	508	508	508	508	507	507	507	507	507	507	507	507	507	507	507	507	507	507	507	12,177
24 Mon		507	508	507	507	507	507	507	507	507	507	507	507	507	507	507	507	506	507	507	507	507	507	507	506	12,161
25 Tue		507	507	507	506	506	506	507	506	506	506	506	506	506	506	506	507	506	507	506	507	506	506	506	506	12,151
26 Wed		507	507	506	506	506	507	507	506	507	507	507	506	506	507	507	507	507	506	506	506	506	506	506	507	12,151
27 Thu		506	506	507	506	506	507	507	507	506	506	504	504	503	498	403	190	81	81	81	82	81	82	81	82	8,311
28 Fri		82	82	82	84	84	90	117	126	126	125	123	86	81	272	498	496	495	493	492	490	488	488	488	488	6,470
29 Sat		488	488	488	488	489	489	489	489	489	490	491	491	491	492	493	494	496	497	498	499	498	498	497	498	11,822
30 Sun		498	499	499	500	500	500	501	500	500	499	499	498	498	497	497	497	497	497	497	497	497	497	497	496	11,955

* Avg. of four consecutive 15 min. demands.

Village of Swanton

Sep 01 - Sep 30, 2012

Date Printed: 10/01/2012

Sum of MWh Year	Month	1	2	3	4	5	6	7	8	9	10	11	12	Grand Total
1996		3,751	3,504	5,534	6,052	6,034	3,207	4,706	1,385	565	2,573	3,759	6,362	47,433
1997		3,741	3,065	4,830	6,602	6,519	2,031	2,840	3,200	2,423	3,126	5,796	3,718	47,890
1998		4,676	3,562	6,108	5,406	2,540	4,506	4,583	2,344	3,254	4,043	4,135	4,371	49,530
Average		4,056	3,377	5,491	6,020	5,031	3,248	4,043	2,310	2,081	3,248	4,564	4,817	48,284