

STATE OF NEW HAMPSHIRE

Intra-Department Communication

DATE: November 5, 2014

AT (OFFICE): NHPUC
NHPUC 5NOV14PM4:24

FROM: Barbara Bernstein 
Sustainable Energy Analyst

SUBJECT: Application for Certification as REC Eligible Facilities – Knollwood Energy of MA LLC

DE 14-249	Roger Welch	DE 14-250	Roger Saunders
DE 14-251	Barbara & Robert Mathews		
DE 14-252	Stephen Smith	DE 14-253	Tom Hill
DE 14-254	Warren Gropp	DE 14-255	Eduardo Martony
DE 14-256	Curtis Northrup	DE 14-257	Mike Shevenell

Staff Recommends Approval

TO: Commissioner Robert R. Scott
Commissioner Martin P. Honigberg
Debra A. Howland, Executive Director and Secretary

CC: David J. Shulock, Staff Attorney 

Summary

On September 29, 2014, the Commission received applications filed by Knollwood Energy of MA, LLC¹ (Knollwood Energy) for Roger Welch (Welch), Roger Saunders (Saunders), Barbara & Robert Mathews (Mathews), Stephen Smith (Smith), Tom Hill (Hill), Warren Gropp (Gropp), Eduardo Martony (Martony), Curtis Northrup (Northrup), and Mike Shevenell (Shevenell). Knollwood Energy is requesting Class II New Hampshire Renewable Energy Certificate (REC) eligibility for the above listed photovoltaic (PV) arrays² and inclusion in the Knollwood Energy aggregation.

The Commission, in a non-adjudicative process, is required to issue a determination of whether a facility meets a particular classification within 45 days of receipt of a completed application. The above-named facilities are customer-sited sources and meet the Class II eligibility requirements under RSA 362-F:4, II. Based on review of the applications, Staff recommends that the Commission certify the above listed arrays as eligible facilities for Class II RECs to be included as part of the Knollwood aggregation effective as of September 29, 2014.

¹ The Commission approved Knollwood Energy of MA, LLC as an aggregator of RECs on November 12, 2013, DE 13-256.

² Pursuant to RSA 362-F, New Hampshire's Electric Renewable Portfolio Standard law. Class II eligibility requires a facility to produce electricity from solar technologies that began operation after January 1, 2006 (RSA 362-F:4, II).

Analysis

To qualify as a REC eligible facility, Puc 2505.08 (b) requires sources to provide the following information:

1. *The name and address of the applicants.* Alane Lakritz, Knollwood Energy provided the following information:

Name	Facility Address	City	State	Zip
Welch	66 Dunbar Road	Weare	NH	03281
Saunders	92 Van Dyke Road	Hollis	NH	03049
Mathews	47 Candia Road	Deerfield	NH	03037
Smith	61 Normand Circle	Bedford	NH	03110
Hill	7 Old Dover Road	Concord	NH	03301
Gropp	1 Lakeview Road	Raymond	NH	03077
Martony	8 Longview Circle	Pelham	NH	03076
Northrup	112 Mcevoy Drive	Auburn	NH	03021
Shevenell	465 Middle Road	Dover	NH	03820

2. *A complete list of the equipment used at the facility, including the meter and, if applicable, the inverter.* The following equipment was used at these facilities:

Welch		Saunders	
Quantity	Equipment Type	Quantity	Equipment Type
28	Sun Edison F265	9	Solar World 275 panels
28	Enphase m250 inverter	9	Enphase M250 inverters
1	AEE Solar meter	1	Enphase Energy meter
0.007	Nameplate Capacity (megawatts)	0.00225	Nameplate Capacity (megawatts)
Mathews		Smith	
Quantity	Equipment Type	Quantity	Equipment Type
30	Suniva Optimus 260m	24 +8	Siliken SLK 240Wp & Rensola 255w
1	SunnyBoy 7000 inverter	24+8	Enphase 215w inverters
1	Sanmago meter	1	Itron C200
0.007	Nameplate Capacity (megawatts)	0.00731	Nameplate Capacity (megawatts)
Hill		Gropp	
Quantity	Equipment Type	Quantity	Equipment Type
30	Sun Edison F265 panels	40	Sun Edison F265
30	Enphase m250 inverters	40	Enphase m250 inverter
1	AEE Solar CL 200 meter	1	AEE Solar meter
0.0075	Nameplate Capacity (megawatts)	0.0100	Nameplate Capacity (megawatts)
Martony		Northrup	
Quantity	Equipment Type	Quantity	Equipment Type
36	Sun Edison F265	33	Sun Edison F265
36	Enphase m250 inverter	33	Enphase m250 inverter
1	AEE Solar meter	1	AEE Solar meter
0.00954	Nameplate Capacity (megawatts)	0.0055	Nameplate Capacity (megawatts)
Shevenell			
Quantity	Equipment Type		
25	Trina PA-05-240		
25	Enphase M215		
1	GE i210+RGM meter		
0.0043	Nameplate Capacity (megawatts)		

3. *The name, license number and contact information of the installer of the applicable generation or solar heating equipment, or a statement that the equipment was installed directly by the customer.*

Applicant	Installer Name	Address	Electrician/ License #
Welch	SunRay Solar	249 Loudon Road, Concord, NH 03301	Shawn Marvel 13363M
Saunders	Self-install		
Mathews	ReVision Energy	7 Commercial Dr., Exeter, NH 03833	William Levay 13139M
Smith	Self-install		Self-install
Hill	SunRay Solar	249 Loudon Road, Concord, NH 03301	Shawn Marvel 13363M
Gropp	SunRay Solar	249 Loudon Road, Concord, NH 03301	Shawn Marvel 13363M
Martony	SunRay Solar	249 Loudon Road, Concord, NH 03301	Shawn Marvel 13363M
Northrup	SunRay Solar	249 Loudon Road, Concord, NH 03301	Shawn Marvel 13363M
Shevenell	ETE Solar	32 Tyler Lane, Berwick ME 03901	Jeremiah Cady 10851M

4. *The name and contact information of the seller of the applicable generation or heating equipment.*

Applicant	Equipment Vendor	Address
Welch	Same as instiller	
Saunders	Same as installer	
Mathews	Same as installer	
Smith	RENVU Solar Equipment Distribution	380B Cambridge Ave., Palo Alto, CA 94306
Hill	Same as installer	
Gropp	Same as installer	
Martony	Same as installer	
Northrup	Same as installer	
Shevenell	Same as installer	

5. *The name and contact information of the independent monitor of the source. These facilities are customer-sited sources and the output must be monitored and verified by an independent monitor pursuant to Puc 2509.09.*

Applicant	Independent Monitor (IM)	IM Approval Date	Docket #
Welch	Thomas Kelly, Natural Capital	09-26-11	DE 11-190
Saunders	Paul Button, Energy Audits Unlimited	06-06-10	DE 10-128
Mathews	Thomas Kelly, Natural Capital	09-26-11	DE 11-190
Smith	Paul Button, Energy Audits Unlimited	06-06-10	DE 10-128
Hill	Paul Button, Energy Audits Unlimited	06-06-10	DE 10-128
Gropp	Paul Button, Energy Audits Unlimited	06-06-10	DE 10-128
Martony	Paul Button, Energy Audits Unlimited	06-06-10	DE 10-128
Northrup	Paul Button, Energy Audits Unlimited	06-06-10	DE 10-128
Shevenell	Thomas Kelly, Natural Capital	09-26-11	DE 11-190

The Independent Monitors will report the facilities' total output quarterly to the customer, and to the NEPOOL Generation Information System and annually to the Commission as part of the Knollwood Energy's Class II aggregation pursuant to Puc 2505.09(h)(3).

6. *A copy of the interconnection agreement pursuant to PUC 307.06, if applicable, between the applicant and the distribution utility.*

Applicant	Utility	Interconnection Agreement	Date*
Welch	PSNH	Simplified Process Interconnection Application & Service Agreement	06-06-14
Saunders	PSNH	Simplified Process Interconnection Application & Service Agreement	05-05-14
Mathews	PSNH	Simplified Process Interconnection Application & Service Agreement	11-21-13
Smith	PSNH	Simplified Process Interconnection Application & Service Agreement	03-27-12
Hill	Unitil	Simplified Process Interconnection Application & Service Agreement	04-22-14
Gropp	PSNH	Simplified Process Interconnection Application & Service Agreement	06-23-14
Martony	Liberty	Simplified Process Interconnection Application & Service Agreement	07-03-12
Northrup	PSNH	Simplified Process Interconnection Application & Service Agreement	05-19-14
Shevenell	PSNH	Simplified Process Interconnection Application & Service Agreement	12-17-12

* The date the utility approved the facility installation.

7. *An attestation by the applicant that the project is installed and operating in conformance with any applicable building codes.* Affidavits signed by Alane Lakritz were provided with each of the applications.

8. *For an installation with electric output, documentation of the applicable distribution utility's approval of the installation.*

Applicant	Utility	Utility Approval	Date*
Welch	PSNH	Certificate of Completion for Simplified Process Interconnections	
Saunders	PSNH	Certificate of Completion for Simplified Process Interconnections	05-05-14
Mathews	PSNH	Certificate of Completion for Simplified Process Interconnections	12-16-13
Smith	PSNH	Certificate of Completion for Simplified Process Interconnections	03-30-12
Hill	Unitil	Certificate of Completion for Simplified Process Interconnections	07-29-14
Gropp	PSNH	Certificate of Completion for Simplified Process Interconnections	07-28-14
Martony	Liberty	Certificate of Completion for Simplified Process Interconnections	07-03-12
Northrup	PSNH	Certificate of Completion for Simplified Process Interconnections	05-21-14
Shevenell	PSNH	Certificate of Completion for Simplified Process Interconnections	12-31-12

* The date the system passed the electrical inspection.

RSA 362-F:6 requires the renewable portfolio standard program to utilize the regional generation information system (GIS) administered by ISO-New England for renewable energy certificates. Knollwood Energy requires each of its participants to acquire a separate GIS facility code.

Applicant	GIS Facility Code	Applicant	GIS Facility Code	Applicant	GIS Facility Code
Welch	NON 43091	Saunders	NON 43090	Mathews	NON 43089
Applicant	GIS Facility Code	Applicant	GIS Facility Code	Applicant	GIS Facility Code
Smith	NON 43093	Hill	NON 43086	Gropp	NON 43085
Applicant	GIS Facility Code	Applicant	GIS Facility Code	Applicant	GIS Facility Code
Martony	NON 43084	Northrup	NON 43083	Shevenell	NON 40778

Recommendation

Staff has reviewed the applications for the above listed PV arrays and participation in the Knollwood Energy aggregation and can affirm each is complete pursuant to Puc 2505.08. Staff has determined that these facilities meet the requirements for certification as a Class II renewable energy source. Staff recommends Commission approval for the Welch, Saunders, Mathews, Smith, Hill, Gropp, Martony, Northrup, and Shevenell PV arrays as eligible Class II facilities to be included in the Knollwood Energy aggregation, effective as of September 29, 2014.

SERVICE LIST - EMAIL ADDRESSES - DOCKET RELATED

Pursuant to N.H. Admin Rule Puc 203.11 (a) (1): Serve an electronic copy on each person identified on the service list.

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Docket #: 14-249-1 Printed: November 05, 2014

FILING INSTRUCTIONS:

- a) Pursuant to N.H. Admin Rule Puc 203.02 (a), with the exception of Discovery, file 7 copies, as well as an electronic copy, of all documents including cover letter with:
- DEBRA A HOWLAND
EXECUTIVE DIRECTOR
NHPUC
21 S. FRUIT ST, SUITE 10
CONCORD NH 03301-2429
- b) Serve an electronic copy with each person identified on the Commission's service list and with the Office of Consumer Advocate.
- c) Serve a written copy on each person on the service list not able to receive electronic mail.

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