

STATE OF NEW HAMPSHIRE

Intra-Department Communication

DATE: October 31, 2014

AT (OFFICE): NHPUC

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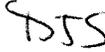
FROM: Barbara Bernstein 
Sustainable Energy Analyst

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

DE 14-266	Sharon Morris	DE 14-267	Jill Taylor
DE 14-268	David Paquette	DE 14-269	Kurt Bertram
DE 14-270	Steven Billow	DE 14-271	Jan Nedelka
DE 14-272	Bill & Kathy Ernest	DE 14-273	Peter Tousignant

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 October 7, 2014, the Commission received applications filed by Knollwood Energy of MA, LLC¹ (Knollwood Energy) for Sharon Morris (Morris), Jill Taylor (Taylor), David Paquette (Paquette), Kurt Bertram (Bertram), Steven Billow (Billow), Jan Nedelka (Nedelka), Bill and Kathy Ernest (Ernest), and Peter Tousignant (Tousignant). 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
Morris	416 E. Meadow Lane	Pembroke	NH	03275
Taylor	20 Amy's Lane	Barrington	NH	03825
Paquette	8 Pheasant Lane	Portsmouth	NH	03801
Bertram	55 Orchard Hill Road	Barrington	NH	03825
Billow	56 Peaslee Road	Bow	NH	03301
Nedelka	169 Dover Point Road	Dover	NH	03820
Ernest	69 Elm Street	Newmarket	NH	03857
Tousignant	1 Galway Road	Windham	NH	03087

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:

Morris		Taylor	
Quantity	Equipment Type	Quantity	Equipment Type
36	Sun Edison F265 panels	18	ET Solar ET-P panels
36	Enphase inverters	18	Solarbridge Pantheon II inverters
1	AEE Solar meter	1	Centron Vision meter
0.009	Nameplate Capacity (megawatts)*	0.0045	Nameplate Capacity (megawatts)*
Paquette		Bertram	
Quantity	Equipment Type	Quantity	Equipment Type
24	Solar World Plus SW 275 panels	24	Trina PA 240W panels
24	Enphase M250 inverters	24	Enphase M215 inverters
1	Enphase – GE meter	1	Enphase GE RGM meter
0.00625	Nameplate Capacity (megawatts)*	0.0043	Nameplate Capacity (megawatts)*
Billow		Nedelka	
Quantity	Equipment Type	Quantity	Equipment Type
63	Suniva OPT1 – 265 panels	42	ET Solar ET-260W panels
2	Solar Edge SE 5000 + SE 11400 inverters	42	Solarbridge Pantheon II inverters
1	Intorn Centron Digital meter	1	Centron Vision
0.006	Nameplate Capacity (megawatts)*	0.00904	Nameplate Capacity (megawatts)*
Ernest		Tousignant	
Quantity	Equipment Type	Quantity	Equipment Type
38	ET Solar ET-P 260W panels	26	Sun Edison F265 panels
38	SolarBridge Pantheon II inverters	26	Enphase m250 inverters
1	Centron Vision	1	AEE Solar meter
0.00904	Nameplate Capacity (megawatts)*	0.0065	Nameplate Capacity (megawatts)*

The nameplate capacity listed in the interconnection agreement.

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 #
Morris	SunRay Solar	249 Loudon Road, Concord, NH 03301	Shawn Marvel 13363M
Taylor	Seacoast Energy	289 Scruton Pond Road, Barrington, NH 03825	Simon Macalister 12645M
Paquette	ETE Solar	32 Tyler Lane, Berwick, ME, 03901	Al Nadeau 8238M
Bertram	ETE Solar	32 Tyler Lane, Berwick, ME, 03901	Jeremiah Cady 10851M
Billow	Frase Electric	789 Whittler Hwy., S. Tamworth, NH 03883	Kim Frase4146M
Nedelka	Seacoast Energy	289 Scruton Pond Road, Barrington, NH 03825	Jeff Newsky M8979
Ernest	Seacoast Energy	289 Scruton Pond Road, Barrington, NH 03825	Jeff Newsky M8979
Tousignant	SunRay Solar	249 Loudon Road, Concord, NH 03301	Shawn Marvel 13363M

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

Applicant	Equipment Vendor	Address
Morris	Same as installer	
Taylor	Same as installer	
Paquette	Same as installer	
Bertram	Same as installer	
Billow	Same as installer	
Nedelka	Same as installer	
Ernest	Same as installer	
Tousignant	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 #
Morris	Thomas Kelly, Natural Capital	09-26-11	DE 11-190
Taylor	Paul Button, Energy Audits Unlimited	06-06-10	DE 10-128
Paquette	Thomas Kelly, Natural Capital	09-26-11	DE 11-190
Bertram	Thomas Kelly, Natural Capital	9-26-11	DE 11-190
Billow	Paul Button, Energy Audits Unlimited	06-06-10	DE 10-128
Nedelka	Paul Button, Energy Audits Unlimited	06-06-10	DE 10-128
Ernest	Paul Button, Energy Audits Unlimited	06-06-10	DE 10-128
Tousignant	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*
Morris	PSNH	Simplified Process Interconnection Application & Service Agreement	06-09-14
Taylor	PSNH	Simplified Process Interconnection Application & Service Agreement	06-06-14
Paquette	PSNH	Simplified Process Interconnection Application & Service Agreement	06-11-14
Bertram	PSNH	Simplified Process Interconnection Application & Service Agreement	12-19-12
Billow	Unitil	Simplified Process Interconnection Application & Service Agreement	09-28-13
Nedelka	PSNH	Simplified Process Interconnection Application & Service Agreement	06-02-14
Ernest	PSNH	Simplified Process Interconnection Application & Service Agreement	06-26-14
Tousignant	PSNH	Simplified Process Interconnection Application & Service Agreement	06-26-14

* 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*
Morris	PSNH	Certificate of Completion for Simplified Process Interconnections	07-28-14
Taylor	PSNH	Certificate of Completion for Simplified Process Interconnections	08-05-14
Paquette	PSNH	Certificate of Completion for Simplified Process Interconnections	07-01-14
Bertram	PSNH	Certificate of Completion for Simplified Process Interconnections	01-08-13
Billow	Unitil	Certificate of Completion for Simplified Process Interconnections	05-05-14
Nedelka	PSNH	Certificate of Completion for Simplified Process Interconnections	07-29-14
Ernest	PSNH	Certificate of Completion for Simplified Process Interconnections	08-30-14
Tousignant	PSNH	Certificate of Completion for Simplified Process Interconnections	08-04-14

* 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
Morris	NON 43319	Taylor	NON 43379	Paquette	NON 43317
Applicant	GIS Facility Code	Applicant	GIS Facility Code	Applicant	GIS Facility Code
Bertram	NON 43316	Billow	NON 43315	Nedelka	NON 43314
Applicant	GIS Facility Code	Applicant	GIS Facility Code		
Ernest	NON 43313	Tousignant	NON 43309		

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 Morris, Taylor, Paquette, Bertram, Billow, Nedelka, Ernest, and Tousignant PV arrays as eligible Class II facilities to be included in the Knollwood Energy aggregation, effective as of October 7, 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.

Executive.Director@puc.nh.gov
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tom.frantz@puc.nh.gov

Docket #: 14-266-1 Printed: October 31, 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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Docket #: 14-270-1 Printed: October 31, 2014

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