

# STATE OF NEW HAMPSHIRE

## Intra-Department Communication

**DATE:** January 31, 2014

**AT (OFFICE):** NHPUC

**FROM:** Barbara Bernstein *BB*  
Sustainable Energy Analyst

**SUBJECT:** Application for Certification as REC Eligible Facilities – Revolution Energy Aggregation  
DE 14-009 Berlin Water Works DE 14-018 Filtrine Manufacturing  
DE 14-010 Thomas Meredith  
**Staff Recommends Approval**

**TO:** Chairman Amy L. Ignatius  
Commissioner Robert R. Scott  
Commissioner Martin P. Honigberg  
Debra A. Howland, Executive Director and Secretary

**CC:** Jack K. Ruderman, Director of the Sustainable Energy Division *JKR*  
David J. Shulock, Staff Attorney

### *Summary*

On January 10, 2014, the Commission received an application from the City of Berlin Water Works (Berlin Water Works) requesting Commission approval for Class II New Hampshire Renewable Energy Certificate (REC) eligibility for the facility's photovoltaic array pursuant to RSA 362-F, New Hampshire's Electric Renewable Portfolio Standard law. On January 13, 2014 an application for Class II REC eligibility was received from Thomas Meredith (Meredith), and on January 16, 2014 an application for Class II REC eligibility was received from Filtrine Manufacturing Company, Inc. (Filtrine Manufacturing). On January 10, 2014 the Commission received a letter from Revolution Energy Aggregation (REA)<sup>1</sup> confirming that Berlin Water Works intended to participate as part of REA's aggregation of Class II eligible facilities. A letter confirming both the Meredith and Filtrine Manufacturing facilities' intention to participate as part of REA's Class II aggregation was received January 23, 2014.

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 approve the Berlin Water Works PV array as part of the REA's Class II aggregation effective January 10, 2014, and the Meredith and Filtrine

<sup>1</sup> The Commission approved Revolution Energy Aggregation, LLC as an aggregator of RECs on August 07, 2013, DE 13-230.

Manufacturing PV arrays as part of REA's Class II aggregation effective January 23, 2014, the dates the Commission received the information needed to complete the applications.

**Analysis**

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

1. *The names and addresses of the applicants.*

Name	Facility Address	City	State	Zip
Berlin Water Works	55 Willow Street	Berlin	NH	03570
Meredith	1210 Milan Road	Milan	NH	03588
Filtrine Manufacturing	15 Kit Street	Keene	NH	03431

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:*

Berlin Water Works		Meredith	
Quantity	Equipment Type	Quantity	Equipment Type
90	Enphase M215 Microinverters	18	Suniva 260W panels
1	Meter #82-658-425	1	Sunny Boy 4000 inverter
90	XMagePowertec Plux 250/6MNCS	1	Flashed Metallic Junction Box
0.0116	Nameplate Capacity (megawatts) <sup>2</sup>	.004	Nameplate Capacity (megawatts)
Filtrine Manufacturing			
Quantity	Equipment Type		
120	Trina Solar TSM-PA05.08 250 panels		
1	Fronius USA 36 WYEGrid Tied Inverter		
1	Gross Solar Meter		
0.036	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 #
Berlin Water Works	Smart Energy of NE	PO Box 56, Colebrook, NH 03576	David Smith 10744M
Meredith	ReVision Energy	7 Commercial Dr., Exeter, NH 03833	William Levay 13139M
Filtrine Manufacturing	Solar Source/The Melanson Co.	353 West Street, Keene NH	Leith Robidoux 10706M

<sup>2</sup> This number differs from the 22.5 kW stated on the application. PSNH confirmed via email correspondence that the actual output is 0.0116 on January 27, 2014.

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

Applicant	Equipment Vendor
Berlin Water Works	The installation and equipment vendor are one and the same.
Meredith	The installation and equipment vendor are one and the same.
Filtrine Manufacturing	The installation and equipment vendor are one and the same.

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

Applicant	Independent Monitor (IM)	PUC IM Approval date	Approval Docket #
Berlin Water Works	Paul Button	06-14-10	DE 10-128
Meredith	Paul Button	06-14-10	DE 10-128
Filtrine Manufacturing	Thomas Kelly	09-26-11	DE 11-190

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*
Berlin Water Works	PSNH	Interconnection Standards for Inverters sized up to 100 KVA, Simplified Process Interconnection Application & Service Agreement	11-19-12
Meredith	PSNH	Interconnection Standards for Inverters sized up to 100 KVA, Simplified Process Interconnection Application & Service Agreement	07-10-13
Filtrine Manufacturing	PSNH	Interconnection Standards for Inverters sized up to 100 KVA, Simplified Process Interconnection Application & Service Agreement	09-13-13

\* 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. An affidavit signed by Roland Viens was provided for Berlin Water Works. Thomas Meredith signed an affidavit for the Meredith residential facility and an affidavit signed by Peter D. Hansel was provided for Filtrine Manufacturing.*

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

Applicant	Utility	Utility Approval	Date*
Berlin Water Works	PSNH	Exhibit B – Certification of Completion for Simplified Process Interconnections	12-06-12
Meredith	PSNH	Exhibit B – Certification of Completion for Simplified Process Interconnections and Email communication with PSNH confirmed the facility approval.	11-19-13
Filtrine Manufacturing	PSNH	Exhibit B – Certification of Completion for Simplified Process Interconnections and Email communication with PSNH confirmed the facility approval.	12-30-13

RSA 362-F:6 requires the renewable portfolio standard program to utilize the regional generation information system (GIS) of energy certificates administered by ISO-New England. The GIS facility code assigned to Revolution Energy Aggregation is NON 15299.

***Recommendation***

Staff has reviewed the applications for the Berlin Water Works, Meredith, and Filtrine Manufacturing PV arrays and participation in REA and can affirm all are complete pursuant to Puc 2505.08. Staff has determined that the above listed facilities meet the requirements for certification as Class II renewable energy sources. Further, Staff recommends Commission approval for these facilities as eligible Class II facilities to be included in the REA aggregation effective January 10, 2014, for Berlin Water Works and January 23, 2014, for the Meredith and Filtrine Manufacturing facilities.