

# STATE OF NEW HAMPSHIRE

## Intra-Department Communication

**DATE:** November 8, 2013

**AT (OFFICE):** NHPUC

**FROM:** Barbara Bernstein   
Sustainable Energy Analyst

**SUBJECT:** Application for REC Eligibility for the Following Facilities to Participate in the Solar Farm Bank Aggregation:

DE 13-284 Donald Jordan  
DE 13-285 Harmony Energy Investments – Derryfield, LLC  
DE 13-286 Howard Kalet  
DE 13-301 Cherry Hill Limited Partnership – Building 11  
DE 13-302 Bennett Way Limited Partnership – Building 7  
DE 13-306 Mark Flanagan  
DE 13-307 Hauch Storage

**Staff Recommends Approval**

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

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

**Summary**

On October 03, 2013, the Commission received applications from Solar Farm Bank on behalf of Donald Jordan (Jordan), Harmony Energy Investments – Derryfield, LLC (Harmony Energy - Derryfield) and Howard Kalet (Kalet) requesting Commission approval for New Hampshire Class II REC eligibility for photovoltaic (PV) arrays pursuant to RSA 362-F, New Hampshire's Electric Renewable Portfolio Standard law.<sup>1</sup> On October 17, 2013, the Commission received two applications from Solar Farm Bank on behalf of Cherry Hill Limited Partnership – Building 11 (Cherry Hill – Building 11) and Bennett Way Limited Partnership – Building 7 (Bennett Way – Building 7). On October 23, 2013, the Commission received two additional applications from Solar Farm Bank for Mark Flanagan (Flanagan) and Hauch Storage. Certification of these facilities will enable Solar Farm Bank to add these facilities to its aggregation pursuant to Puc 2506.01 and recognized by the Generation Information System (GIS) under NON 35889.<sup>2</sup>

<sup>1</sup> Class II eligibility requires a facility to produce electricity from solar technologies that began operation after January 1, 2006 (RSA 362-F:4, II).

<sup>2</sup> The Commission approved Solar Farm Bank as an aggregator of RECs on February 05, 2013, DE 12-343.

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 above named PV arrays as part of the Solar Farm Bank's Class II eligible facilities aggregation effective October 03, 2013 for Jordan, Harmony Energy - Derryfield, and Kalet; October 17, 2013 for Cherry Hill – Building 11, and Bennett Way – Building 7; and, October 23, 2013 for Flanagan and Hauch Storage.

**Analysis**

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

1. *The name and address of the applicant.* Solar Farm Bank submitted applications for the following applicants:

Name	Facility Address	City	State	Zip
Jordan	163 Kenyon Road	Plainfield	NH	03781
Harmony Energy - Derryfield	2108 River Road	Manchester	NH	03104
Kalet	90 Colbourn Road	Rye	NH	03870
Cherry Hill – Building 11	c/o Harve Gertel/Scott Foster 11 Bennett Way, Building 11	Newmarket	NH	03857
Bennett Way – Building 7	c/o Harve Gertel/Scott Foster 7 Bennett Way, Building 7	Newmarket	NH	03857
Flanagan	34 Karen Drive	Belmont	NH	03220
Hauch Storage	2185 Woodbury Avenue	Newington	NH	03801

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:

Jordan		Harmony Energy - Derryfield	
Quantity	Equipment Type	Quantity	Equipment Type
39	Yingli YL 250p-29b Modules	72	Solar World SW 265W Modules
39	Enphase M215-60-3LL-S22 Inverters	2	Solar edge optimizers
1	Utility Meter	1	GE kWh Utility Meter
		1	SMA WebBox Monitoring System
0.008385	System Output (megawatts)	0.02	System Output (megawatts)
Kalet		Cherry Hill – Building 11	
Quantity	Equipment Type	Quantity	Equipment Type
20	Solar World SW 250 Modules	45	Solar World SW 265 265W Modules
20	Enphase M215 Microinverters	45	Enphase M215 Microinverter
1	GE kWh utility meter	3	Schlumberger Centron CL200 240V 3W Type C1S Meter
1	Enphase Envoy Monitoring System	3	Enphase Envoy Monitoring System
0.0043	System Output (megawatts)	0.00968	System Output (megawatts)

<b>Bennett Way – Building 7</b>		<b>Flanagan</b>	
<i>Quantity</i>	<i>Equipment Type</i>	<i>Quantity</i>	<i>Equipment Type</i>
37	Solar World SW265 265 W Modules	27	Solar World 265W Panels
37	Enphase M215 Microinverter	1	PowerOne 6000W Inverter PV16000-OUTD-US
3	Schlumberger Centron CL200 240V 3W Type C1S Meter	1	Itron Centron Solid State Digital Meter
3	Enphase Envoy Monitoring System		
0.00796	System Output (megawatts)	0.006	System Output (megawatts)
<b>Hauch Storage</b>			
<i>Quantity</i>	<i>Equipment Type</i>		
60	Solar World SW255 255W Modules		
2	SMA SunnyBoy SB7000US Inverters		
1	GE kWh Utility Meter		
1	SMA WebBox Monitoring		
0.014	System Output (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.*

<b>Jordan: Installer Information</b>		<b>Harmony Energy – Derryfield: Installer Information</b>	
Name	Prudent Living, Inc.	Name	Harmony Energy Works, Inc.
Address	3189b US Rt 5 South	Address	10 Gale Road
City, ST, Zip	Windsor, VT 05089	City, ST, Zip	Hampton, NH 03842
License #		License #	NABCEP PV Installer #032611-147
Electrician	Matthew Smith	Electrician	Paul Miner
Company	Brite Lite Electric LLC	Company	Miner Electric
Address	3189b US Rt 5 South	Address	9 Tansy Lane
City, ST, Zip	Windsor, VT 05089	City, ST, Zip	Stratham, NH 03885
License #	13148M	License #	3941M
<b>Kalet: Installer Information</b>		<b>Cherry Hill - Building 11: Installer Information</b>	
Name	Harmony Energy Works, Inc.	Name	Harmony Energy Works, Inc.
Address	10 Gale Road	Address	10 Gale Road
City, ST, Zip	Hampton, NH 03842	City, ST, Zip	Hampton, NH 03842
License #	NABCEP PV Installer #032611-147	License #	NABCEP PV Installer #032611-147
Electrician	Paul Miner	Electrician	Paul Miner
Company	Miner Electric	Company	Miner Electric
Address	9 Tansy Lane	Address	9 Tansy Lane
City, ST, Zip	Stratham, NH 03885	City, ST, Zip	Stratham, NH 03885
License #	3941M	License #	3941M
<b>Bennett Way – Building 7: Installer Information</b>		<b>Flanagan: Installer Information</b>	
Name	Harmony Energy Works, Inc.	Name	Frase Electric, LLC
Address	10 Gale Road	Address	789 Whittier Highway
City, ST, Zip	Hampton, NH 03842	City, ST, Zip	South Tamworth, NH 03883
License #	NABCEP PV Installer #032611-147	License #	4146M
Electrician	Paul Miner	Electrician	Same as above

Company	Miner Electric	
Address	9 Tansy Lane	
City, ST, Zip	Stratham, NH 03885	
License #	3941M	
<b>Hauch Storage: Installer Information</b>		
Name	Harmony Energy Works, Inc.	
Address	10 Gale Road	
City, ST, Zip	Hampton, NH 03842	
License #	NABCEP PV Installer #032611-147	
Electrician	Paul Miner	
Company	Miner Electric	
Address	9 Tansy Lane	
City, ST, Zip	Stratham, NH 03885	
License #	3941M	

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

<b>Jordan: Equipment Vendor</b>	<b>Harmony Energy – Derryfield: Equipment Vendor</b>
Same as installer.	Same as installer.
<b>Kalet: Equipment Vendor</b>	<b>Cherry Hill - Building 11: Equipment Vendor</b>
Same as installer.	Same as installer.
<b>Bennett Way – Building 7: Equipment Vendor</b>	<b>Flanagan: Equipment Vendor</b>
Same as installer.	Same as installer.
<b>Hauch Storage: Equipment Vendor</b>	
Same as installer.	

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 2505.09. The applications state that Paul Button, Energy Audits Unlimited<sup>3</sup> will monitor all of these facilities' output pursuant to N.H. Code of Administrative Rules Puc 2505.08 and 2505.09. Mr. Button will report these facilities' total output annually to the customer, the Commission, and the NEPOOL Generation Information System as part of the Solar Farm Bank'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.* Interconnection agreements were provided for each of the following applicants:

<sup>3</sup> The Commission granted Paul Button independent monitor status on June 06, 2010, DE 10-128.

<b>Jordan – Utility: PSNH</b>	<b>Harmony Energy – Derryfield: Utility: PSNH</b>
<b>Date of Electrical Inspection: 6-13-13</b>	<b>Date of Electrical Inspection: 8-20-13</b>
<b>Kalet – Utility: PSNH</b>	<b>Cherry Hill - Building 11 – Utility: PSNH</b>
<b>Date of Electrical Inspection: 9-3-13</b>	<b>Date of Electrical Inspection: 8-19-13</b>
<b>Bennett Way – Building 7 – Utility: PSNH</b>	<b>Flanagan – Utility: PSNH</b>
<b>Date of Electrical Inspection: 8-19-13</b>	<b>Date of Electrical Inspection: 9-5-13</b>
<b>Hauch Storage – Utility: PSNH</b>	
<b>Date of Electrical Inspection: 2-26-13</b>	

7. *An attestation by the applicant that the project is installed and operating in conformance with any applicable building codes.*

<b>Jordan – Affidavit signed by:</b>	<b>Harmony Energy – Affidavit signed by:</b>
Donald Jordan	George Horrocks
<b>Kalet – Affidavit signed by:</b>	<b>Cherry Hill – Affidavit signed by:</b>
George Horrocks	George Horrocks
<b>Bennett Way – Affidavit signed by:</b>	<b>Flanagan – Affidavit signed by:</b>
George Horrocks	Mark Flanagan
<b>Hauch Storage – Affidavit signed by:</b>	
George Horrocks	

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

<b>Jordan – Certificate of Completion</b>	<b>Harmony Energy – Certificate of Completion</b>
PSNH 6-13-13	PSNH 8-20-13
<b>Kalet – Certificate of Completion</b>	<b>Cherry Hill – Certificate of Completion</b>
PSNH 9-3-13	PSNH 8-19-13
<b>Bennett Way – Building 7 – Certificate of Completion</b>	<b>Flanagan – Certificate of Completion</b>
PSNH 8-19-13	PSNH 9-5-13
<b>Hauch Storage – Certificate of Completion</b>	
PSNH 2-26-13	

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 and NEPOOL. The GIS facility code assigned to the Solar Farm Bank aggregation is NON 35889.

***Recommendation***

Staff has reviewed Solar Farm Bank’s applications for the PV arrays located at the above-named facilities and can affirm all are complete pursuant to Puc 2505.08. Staff has determined that the Jordan, Harmony Energy - Derryfield, and Kalet facilities meet the

requirements for certification as Class II renewable energy sources effective October 03, 2013. In addition, Staff recommends Commission approval for the Cherry Hill – Building 11 and Bennett Way – Building 7 facilities, effective October 17, 2013; and the Flanagan and Hauch Storage facilities, effective October 23, 2013. Further, Staff recommends Commission approval for the above named PV arrays as eligible Class II facilities to be included in the Solar Farm Bank’s aggregation effective as of the dates listed above.