


# STATE OF NEW HAMPSHIRE

## Intra-Department Communication


**DATE:** February 10, 2014

**AT (OFFICE):** NHPUC

**FROM:** Barbara Bernstein   
Sustainable Energy Analyst

**SUBJECT:** Application for Certification as REC Eligible Facilities – Solar Farm Bank  
DE 14-023 Michael Koutelis  
DE 14-024 Second Bennett Way Limited Partnership  
DE 14-025 David Ellis  
DE 14-026 Richard Sargent  
DE 14-027 Julian Kiszka  
**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   
David J. Shulock, Staff Attorney

### *Summary*

On January 27, 2014 the Commission received applications from Solar Farm Bank, LLC (SFB) on behalf of Michael Koutelis (Koutelis), Second Bennett Way Limited Partnership (Second Bennett Way), David Ellis (Ellis), Richard Sargent (Sargent) and Julian Kiszka (Kiszka) requesting Commission approval for New Hampshire Class II Renewable Energy Certificate (REC) eligibility for photovoltaic (PV) arrays pursuant to RSA 362-F, New Hampshire's Electric Renewable Portfolio Standard law.<sup>1</sup> Certification of these facilities will enable SFB 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>

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 SFB's Class II eligible facilities' aggregation effective January 27, 2014.

<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 SFB as an aggregator of RECs on February 05, 2013, DE 12-343.

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### 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   |
|--------------------|------------------------|-----------|-------|-------|
| Koutelis           | 46 Rollins Road        | Epping    | NH    | 03042 |
| Second Bennett Way | 600 Bennett Way        | Newmarket | NH    | 03857 |
| Ellis              | 10 Barberry Coast Road | Newmarket | NH    | 03857 |
| Sargent            | 308 Bean Hill Road     | Belmont   | NH    | 03220 |
| Kiszka             | 1 May Ray Avenue       | Plaistow  | NH    | 03865 |

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:

| Koutelis |   | Second Bennett Way |   |
|----------|---|--------------------|---|
| Quantity | Equipment Type                              | Quantity           | Equipment Type                              |
| 16       | Canadian Solar CS5P-240                     | 178                | Solar World SW270 W Modules                 |
| 1        | PVI4000 Inverter                            | 98                 | Enphase M215 MicroInverter                  |
| 1        | Solarmount raking                           | 2                  | Racking - IronRidge                         |
| 1        | SolREn View Monitoring                      | 2                  | GEFM 02S 240V 3W CL200 EZ Meter             |
|          |   | 2                  | Enphase Envoy Monitoring                    |
| 0.004    | Nameplate Capacity (megawatts)              | 0.03827            | Nameplate Capacity (megawatts) <sup>3</sup> |
| Ellis    |   | Sargent            |   |
| Quantity | Equipment Type                              | Quantity           | Equipment Type                              |
| 20       | Solar World SW 245 W Modules                | 30                 | ET Solar P660230 230W                       |
| 1        | Selectria PVI-5000                          | 1                  | SMA SB7000 Inverter                         |
| 1        | UniRac Mounting System                      | 1                  | Racking – DPW Multi-pole                    |
| 1        | GE Kilowatt Hour Utility Meter              |                    |   |
| 1        | Solectria Monitoring                        |                    |   |
| 0.005    | Nameplate Capacity (megawatts)              | 0.007              | Nameplate Capacity (megawatts)              |
| Kiszka   |   |                    |   |
| Quantity | Equipment Type                              |                    |   |
| 36       | Solar World SW270 W Modules                 |                    |   |
| 1        | SMA B8000 Inverter                          |                    |   |
| 3        | Racking – DPW Top of Pole                   |                    |   |
| 1        | GE FM 02S 240V 3W CL200 EZ                  |                    |   |
| 1        | SMA SI6048 Inverter                         |                    |   |
| 0.0077   | Nameplate Capacity (megawatts) <sup>4</sup> |                    |   |

<sup>3</sup> This number differs from the 48.06 kW stated on the application. Two interconnection agreement were included for this installation; one for 17.2 kW and a second for 21.07 kW for a total nameplate capacity of 38.27 kW.

<sup>4</sup> This number differs from the 9.72 kW stated on the application. Unitil has recorded the nameplate capacity as 7.7 k.w based on the inverter manufacturer's specifications.

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.* The Koutelis, Second Bennett Way, Ellis, Sargent, and Kiszka PV facilities were all installed by Harmony Energy Works Inc., (NABCEP PV Installer #032611-147), 10 Gale Rd., Hampton, NH 03842. The licensed electrician for these facilities was Paul Miner; his master electrician license number is 3948M.
4. *The name and contact information of the seller of the applicable generation or heating equipment.* The installer and the equipment vendor were one and the same for all five facilities.
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. The applications state that Paul Button, Energy Audits Unlimited will monitor all of these facilities' output pursuant to N.H. Code of Administrative Rules Puc 2505.08 and 2505.09.
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*    |
|--------------------|---------|---|----------|
| Koutelis           | PSNH    | Interconnection Standards for Inverters sized up to 100 KVA, Simplified Process Interconnection Application & Service Agreement | 08-12-14 |
| Second Bennett Way | PSNH    | Interconnection Standards for Inverters sized up to 100 KVA, Simplified Process Interconnection Application & Service Agreement | 12-18-13 |
| Ellis              | PSNH    | Interconnection Standards for Inverters sized up to 100 KVA, Simplified Process Interconnection Application & Service Agreement | 08-10-11 |
| Sargent            | PSNH    | Interconnection Standards for Inverters sized up to 100 KVA, Simplified Process Interconnection Application & Service Agreement | 10-24-12 |
| Kiszka             | Unitil  | (Simplified Process) Interconnection Application and Service Agreement  | 12-06-13 |

\* 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, titled *Commissioning Report & Certification of System Operation*, signed by George Horrocks was provided for each of these facilities.

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

| Applicant          | Utility | Utility Approval  | Date*    |
|--------------------|---------|---|----------|
| Koutelis           | PSNH    | Exhibit B – Certification of Completion for Simplified Process Interconnections | 09-13-11 |
| Second Bennett Way | PSNH    | Exhibit B – Certification of Completion for Simplified Process Interconnections | 12-18-13 |
| Ellis              | PSNH    | Exhibit B – Certification of Completion for Simplified Process Interconnections | 10-03-11 |
| Sargent            | PSNH    | Exhibit B – Certification of Completion for Simplified Process Interconnections | 12-28-12 |
| Kiszka             | Unitil  | Certificate of Completion for Interconnection                                   | 12-27-13 |

\*The date of inspection by either the local electrical wiring inspector or electrical inspection.

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 SFB is NON 35889.

### ***Recommendation***

Staff has reviewed the applications for the Koutelis, Second Bennett Way, Ellis, Sargent, and Kiszka PV arrays and participation in SFB 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 SFB aggregation effective January 27, 2014.