DE10-286

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NH PUBLIC UTILITIES COMMISSION

STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION

FOR CUSTOMER-SITED RENEWABLE ENERGY SOURCE ELIGIBILITY

Pursuant to New Hampshire Admin. Code Puc 2500 Rules

Pursuant to Puc 202, the signed application shall be filed with the Executive Director and Secretary of the New Hampshire Public Utilities Commission (Commission). To ensure that your submitted application is complete, please read RSA 362-F and N.H. Code Admin. Rules Puc 2500 before filling out this application. It is the burden of the applicant to provide timely, accurate and complete information as part of the application process. Any failure by the applicant to provide information in a timely manner may result in the Commission dismissing this application without prejudice.

NOTE: When completing this application electronically, using the "tab" key after completing each answer will move the cursor to the next blank to be filled in. If a question is not applicatiable to your facility, then check the box next to N/A.

1. **ELIGIBILITY CLASS APPLIED FOR:** ☐ I ☒ II

2. Applicant's legal name: John Duffield

3. Residential or Business Address: (as applicable to the site of the renewable energy facility)
   (1) 9 Harbor Heights Road
   (2)
   (3)
   Meredith (City) NH (State) 03253 (Zip Code)

4. Telephone number: 603-253-7003

5. Facsimile number:

6. Email address:

7. Installer's Name: Frase Electric LLC

8. Business Address:
   (1) 789 Whittier Highway
   (2)
   (3)
   South Tamworth NH 03883

(City) (State) (Zip Code)

9. Telephone number: 603-284-6618

10. Facsimile number:

11. Email address: kfrase@hughes.net

12. Equipment Vendor's Name: Frase Electric LLC

13. Business Address: (1) 789 Whittier Highway

(2)

(3)

South Tamworth NH 03883
(City) (State) (Zip Code)

14. Telephone number: 603-284-6618

15. Facsimile number:

16. Email address: kfrase@hughes.net

17. Independent Monitor's Name: New Hampshire Electric Cooperative, Inc.

18. Business Address: (1) 579 Tenney Mountain Highway

(2)

(3)

Plymouth NH 03264
(City) (State) (Zip Code)

19. Telephone number: 800-698-2007

20. Facsimile number: 603-536-8698

21. Email address:

22. The ISO-New England asset identification number, if applicable: _____ or N/A: [X]

23. The GIS facility code, if applicable: pending or N/A: [ ]

24. If Class I, please identify type of source below:
[ ] wind generation [ ] solar hot water [ ] other generation.
If other type of generation, provide a description. (Attach as "Exhibit A")

25. A list and description of the equipment used at the facility, including the REC meter and, if applicable, the inverter (Attach as "Exhibit B") **ATTACHED**

26. A copy of the interconnection agreement pursuant to Puc 307.06, if applicable, between the applicant and the distribution utility. (Attach as "Exhibit C" or N/A [ ]) **ATTACHED**

27. An attestation by the applicant that the project is installed and operating in conformance with any applicable building codes. (Attach as "Exhibit D" or N/A [ ]) **ATTACHED**

28. For an installation with electric output, documentation of the applicable distribution utility's approval of the installation. (Attach as "Exhibit E" or N/A [ ]) **ATTACHED**

29. This application and all future correspondence should be sent to:

Ms. Debra A. Howland
Executive Director and Secretary
State of New Hampshire
Public Utilities Commission
21 S. Fruit St, Suite 10
Concord, NH 03301-2429

30. Preparer's Information:

Name: Scott C. McNeil

Title: Field Administrator

Company New Hampshire Electric Cooperative, Inc.

Address: 579 Tenney Mountain Highway, Plymouth, NH 03264

Phone Number: 603-536-8608

Email Address: mcneils@nhec.com

31. Preparer's Signature: 10·22·10

EXHIBIT B

John Duffield
9 Harbor Heights Road
Meredith, NH 03253

Equipment:	20	Sun Power E18 230 watt solar panels
	1	Sunpower SPR 5000M inverter W/DC disconnect
	1	Cutler Hammer D 30 amp breaker for AC inverter
	1	Anchor 100 amp meter enclosure for REC meter

REC meter:	1	Itron CL200 hour meter # 115296 serial# 48425721 start read 10200

Exhibit C

your NEW HAMPSHIRE Electric Co-op
A Touchstone Energy® Cooperative

NEW HAMPSHIRE ELECTRIC CO-OP
INTERCONNECTION APPLICATION-RENEWABLE GENERATION UP TO 100 KW

PURSUANT TO NEW HAMPSHIRE ADMINISTRATIVE RULE PUC 900, APPLICANT HEREBY GIVES NOTICE OF INTENT TO INSTALL AND OPERATE A GENERATING FACILITY.

Section 1. Applicant Information

Name: John Duffield

Mail Address: Po Box 923

City: Meredith State: NH, Zip Code: 03253

Facility Location (if different from above):

9 Harbor Heights

Daytime Phone #: 253-7003 275-6053

Distribution Utility: New Hampshire Electric Co-Op

Account # : _____
(if applicable)

Electricity Supplier (ES)_____

Account # : _____

Section 2. Generating Facility Information

Generator Type (check one): Solar ✓ Wind _____ Hydro _____

Generator Manufacturer, Model Name & Number:

Sun Power E18 230 WATT

Number of Phases of Unit: Single, Three or Other: Single

Generation output rating in Kilowatts: 5000 W - ARRAY = 4.6 kW

Inverter Manufacturer, Model Name & Number:
Sunpower SPR 5000M

Battery Backup? (yes or no) NO

If 10 kW, will a generator Disconnect Switch accessible to the utility be installed?

☐ Yes or ☑ No

Proposed location of Disconnect Switch, if applicable:_____

Section 3. Installation Information & Certification

Check if owner-installed

Installation Date: 9/20/10

Interconnection Date: 9/20/10

Installing Electrician: FRASE ELECTRIC LLC

License #: 4146 M NH

Mail Address: 789 Whittier Hwy

City: So Tamworth

State: NH Zip Code: 03883

Daytime Phone #: 284-6618 387-0873

1. The system hardware is listed to Underwriters Laboratories standards to be in compliance with UL 1741 and IEEE 929-2000;

Signed (Vendor/Supplier): [signature]

Date: 9/20/10

Name (printed): Kim FRASE

Company: FRASE ELECTRIC LLC

2. The system has been installed in compliance with the local Building/Electrical Code of Meredith NH Belknap (City/County)

Signed (Inspector): [signature]

Print Name: WILLIAM M EDNEY

Date: 9.21.10

In lieu of signature by inspector, a copy of final inspection certificate may be attached.

3. Utility and Electricity Supplier signatures signify only receipt of this form, in compliance with the Commission's net metering rules Puc 900.

Signed (NHEC): [signature]

Print Name: SCOTT C. MCNEIL

Date: 10·6·10

Signed (Electricity Supplier Representative): _____

Date: 10·6·10

4. The initial start-up test required by Puc 905.04 has been successfully completed.

Completed on 9/20/10 _____ Witnessed By _____

Applicant agrees to install and operate the system in accordance with PUC 900.

I hereby certify that, to the best of my knowledge, all of the information provided in this Application is true and correct.

Signature of Applicant : John D. Field

Date: 10/6/10

THE ELIGIBLE CUSTOMER-GENERATOR SHALL PROVIDE NEW HAMPSHIRE ELECTRIC CO-OP WITH A WRITTEN UPDATE OF THE INFORMATION ON THIS FORM AS ANY CHANGES OCCUR.

Exhibit D

RENEWABLE ENERGY CERTIFICATE MEMBER AGREEMENT

THIS AGREEMENT is hereby entered into this 6 day of October 2010 ("Effective Date") between New Hampshire Electric Cooperative, Inc. (herein "NHEC"), having principal offices at 579 Tenney Mountain Highway, Plymouth, NH 03264 and its member, John Duffield with account number _____ (herein "Member) (collectively herein the "Parties").

Whereas, Member has installed, or is in the process of installing, solar photovoltaic, wind or other renewable electric generation equipment at its service location as a member of NHEC ("Customer Sited Renewable Resource") as described in Appendix A.

Whereas, NHEC desires to facilitate its member's renewable generation activities and desires to obtain RECs and encourage renewable generation in a manner most beneficial to all it members. NHEC has received New Hampshire Public Utilities Commission ("NHPUC") approval as an Independent Monitor as that term is defined by the NHPUC rule 2500.

Now, therefore, in accordance with the foregoing and in consideration of the mutual promises and agreements set forth herein, NHEC and Member agree to the following provisions.

1. Metering

Member will install or cause to be installed a meter socket at an external, reasonably accessible location electrically connected in such a way as to measure the electrical energy produced by the Customer Sited Renewable Source.

NHEC will install, maintain and read revenue-quality meters which meet the regulatory requirements to record the generation of the Customer Sited Renewable Source.

2. Member Options

Member agrees to the following option (as indicated by marking an "X" at one option below):

_____ A. NHEC *will* charge, and Member will pay, a monthly "Monitoring Fee" (currently $11.00 per month) as applicable at the time of billing. This fee will be charged as part of Member's normal billing from NHEC. This fee is subject to change by the NHEC Board of Directors. The applicable fee can be found in NHEC Schedule of Fees and Charges. NHEC will provide the Member with an annual report of the generation of the Customer Sited Renewable Source. Under this option, no application or reporting will be made to the NHPUC; therefore, no Renewable Energy Certificates are created. The collection of data and reporting is for informational purposes only.

_____ B. NHEC, with cooperation and assistance from Member, will complete and file an application with the NHPUC to request certification of the Customer Sited Renewable Source for production of RECs. Once approved by the NHPUC and in accordance with the law, rules and regulations, at least annually NHEC will report the generation of the Customer Sited Renewable Source to the NHPUC, the New England Power Pool Generation Information System ("GIS") and the Member. NHEC will retain ownership of the RECs reported. NHEC *will not* charge Member the Monitoring Fee. Member agrees to forfeit rights to market or advertise the Customer Sited Renewable Resource's host facility as being powered by a renewable, alternative, clean or environmentally friendly source, in accordance with applicable laws regarding REC ownership and retirement. Member warrants that it has not sold the RECs to any other entity.

JD C. NHEC *will* charge, and Member will pay, a monthly "Monitoring Fee" (currently $11.00 per month) as applicable at the time of billing. This fee will be charged as part of Member's normal billing from NHEC. This fee is subject to change by the NHEC Board of Directors. The applicable fee can be found in NHEC Schedule of Fees and Charges. NHEC, with cooperation and assistance from Member, will complete and file an application with the NHPUC to request certification of the Customer Sited Renewable Source for production of RECs. Once approved by the NHPUC and in accordance with the law, rules and regulations, at least annually NHEC will report the generation of the Customer Sited Renewable Source to the NHPUC, the New England Power Pool Generation Information System ("GIS") and the Member. NHEC will retain ownership of the RECs reported. Member agrees to forfeit rights to market or advertise the Customer Sited Renewable Resource's host facility as being powered by a renewable, alternative, clean or environmentally friendly source, in accordance with applicable laws regarding REC ownership and retirement. Member warrants that it has not sold the RECs to any other entity. Annually after the annual report to the NHPUC has been completed, NHEC will pay to Member, or credit Member's electric service account, the Applicable REC Payment Price (see Article 5 for definition) for each REC produced (measured in whole megawatt-hours of generation only, in accordance with NEPOOL GIS rules).

_____ D. NHEC *will* charge, and Member will pay, a monthly "Monitoring Fee" (currently $11.00 per month) as applicable at the time of billing. This fee will be charged as part of Member's normal billing from NHEC. This fee is subject to change by the NHEC Board of Directors. The applicable fee can be found in NHEC Schedule of Fees and Charges. It is Member's responsibility to complete and file the application with the NHPUC to request certification of the Customer Sited Renewable Source for production of RECs. NHEC will provide information in its possession to assist Member with application, if needed. Member will provide NHEC with a copy of the NHPUC's communication regarding certification of the Customer Sited Renewable Source. NHEC shall be under no obligation to provide data or reports until such NHPUC communication has been received to assure compliance with applicable laws, rules and regulations. If Member is selling or otherwise transferring ownership of the RECs to another entity, Member shall notify NHEC regarding that entity's identity, quantity, term and any other information reasonably requested by NHEC in order for NHEC to transfer Member's RECs to the other entity utilizing the NEPOOL GIS in accordance the applicable laws, rules and regulations. NHEC will act only in accordance with information provided in writing by Member. Member must notify NHEC regarding the entity or any changes thereof at least 45 days before transfer is to be made. The accuracy and timeliness of all such information (which may effect the accuracy and timeliness of transfers

which are made in the NEPOOL GIS and may effect the value, if any, of such transactions) shall be solely the Member's responsibility.

3. Term

The Term of this Agreement shall begin on the Effective Date and continue perpetually until either Party provides the other Party with 90 days written notice to terminate this Agreement, or until Member terminates his electric service account with NHEC for service at the location of the Customer Sited Renewable Source.

4. Additional Member Responsibilities

Member shall notify NHEC of its intent to change its option as determined in Article 2. Member and NHEC shall execute a replacement Agreement when such a change is made.

Member shall notify NHEC of any intention to transfer ownership of the service location (for example, if the Member advertises or otherwise lists the property for sale).

Member shall notify NHEC of any changes to equipment relative to the Customer Sited Renewable Source including, but not limited to, increase in capacity, removal or major renovation.

5. Applicable REC Payment Price

Annually, NHEC will determine prices it is willing to pay for RECs in accordance with this Agreement. This "Applicable REC Payment Price" will be based, in part, on the type of generation (solar, wind) and, therefore, on Class of REC it is certified as by the NHPUC. The Applicable REC Payment Price shall be valid for a given calendar year only.

IN WITNESS WHEREOF, and intending to be legally bound, the Parties have executed this Agreement by their undersigned duly authorized representatives as of the Effective Date hereof.

Member

Signature: John Duffield

Name: JOHN DUFFIELD

Title: Member/Owner

New Hampshire Electric Cooperative, Inc.

Signature:

Name: SCOTT C. MCNEIL

Title: FIELD ADMINISTRATOR

EXHIBIT E

NHEC Approves of the Customer Sited Source Listed Below

Owner Name: John Duffield

Project Address: 9 Harbor Heights Rd, Meredith, NH 03253

Type of Project: Solar PV

Date REC meter set: 10/6/10

NHEC Representative: Scott C. McNeil

NHEC Representative: _____

Date: 10-22-10