

From: michael.motta@nu.com [<mailto:michael.motta@nu.com>]
Sent: Tuesday, May 06, 2014 11:15 AM
To: Bernstein, Barbara
Cc: rod.viens@grosolar.com; dwatts@dimentech.com
Subject: RE: #N2096 Watts PV Processed Application (2010 Upgrade)

Good Morning Barbara,

I have attached a copy of the original "Exhibit B - Certificate of Completion" dated September 21, 2009 for the Watts photovoltaic project (#N2096). I do not have an Exhibit-B for the upgrade completed in 2010, however, I just spoke with Mr. Rod Viens at GroSolar and confirmed that Mid Vermont Electric (Mr. Simon Bradford) completed the upgrade at the Watts residence as well. I am fine with utilizing the attached Exhibit-B, if you are. If not, may I suggest that you reach out to Mr. Viens and he will obtain a new Exhibit-B for you.

Please contact me should you have any questions or require additional information.

Regards,

Michael Motta
Senior Engineer, PSNH Supplemental Energy Sources
780 North Commercial Street
Manchester, NH 03105
O (603) 634-2920, F (603) 634-2449
Michael.Motta@nu.com

From: "Bernstein, Barbara" <Barbara.Bernstein@puc.nh.gov>
To: Michael D. Motta/NUS@NU,
Cc: "Amy@knollwoodenergy.com" <Amy@knollwoodenergy.com>
Date: 05/06/2014 09:29 AM
Subject: RE: #N2096 Watts PV Processed Application (2010 Upgrade)

Mike,
One more request... do you have an Exhibit B for the Watts PV system?

Barbara Bernstein
Sustainable Energy Division
NH Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301-2429

603-271-6011
Barbara.bernstein@puc.nh.gov

From: michael.motta@nu.com [<mailto:michael.motta@nu.com>]
Sent: Monday, May 05, 2014 11:45 AM
To: Bernstein, Barbara
Cc: Dan Watts

Subject: #N2096 Watts PV Processed Application (2010 Upgrade)

Good Morning Barbara,

I just received the attached Simplified Process Interconnection Application for the upgrade at the Watts residence (#N2096 Watts PV) - 530 Newmarket Road in Warner. I have also included a copy of the accompanying email that explains what transpired with this project. I have made the necessary changes to our database, there is no further action required on our end. The capacity of the upgraded system is 6.0 kW - AC (2 - SMA Sunny Boy 3000-US inverters).

Please contact me should you have any questions or require additional information.

Regards,

Michael Motta
Senior Engineer, PSNH Supplemental Energy Sources
780 North Commercial Street
Manchester, NH 03105
O (603) 634-2920, F (603) 634-2449
Michael.Motta@nu.com

----- Forwarded by Michael D. Motta/NUS on 05/05/2014 10:58 AM -----

From: Michael D. Motta/NUS
To: "Bernstein, Barbara" <Barbara.Bernstein@puc.nh.gov>,
Date: 04/09/2014 03:35 PM
Subject: Re: verification please!

Good Afternoon Barbara,

Please see my response below, call me should you have any questions or require additional information.

Michael Motta
Senior Engineer, PSNH Supplemental Energy Sources
780 North Commercial Street
Manchester, NH 03105
O (603) 634-2920, F (603) 634-2449
Michael.Motta@nu.com

From: "Bernstein, Barbara" <Barbara.Bernstein@puc.nh.gov>
To: Michael D. Motta/NUS@NU,
Date: 04/09/2014 02:05 PM
Subject: verification please!

Hi Mike,
Hope you are well. Would you please check out the following for me?

1) The nameplate rating for Don & Mary Watts, 530 Newmarket Road, Warner, NH is listed as 5.1 kW on the Interconnection Agreement (IA). They have two Sunnyboy 3000 inverters -- why wouldn't they have a nameplate rating of 6 kW?

I suspect that the customer is either increasing the size, or replacing their older system which was installed back in 2009 (PSNH Project #N2096). The original application, dated August 27, 2009, was for 1 - Motech 5300 (5.3 kW) inverter. The customer received authorization to interconnect, and was enrolled in the Net Metering program on September 10, 2009. As of this email, PSNH has not received any documentation from the customer with regards to this new project. Based on the information you have provided, this would appear to be an upgrade/modification, in accordance with Puc 908.08 (c) of the Chapter Puc 900 Rules governing Net Metering the customer is required to initiate a new Application for the addition and/or replacement inverter. Can I assume you will make the customer aware of this.

2) I am totally confused by the IA for Pugliese Contracting, 4 Ledge Road, Windham, NH. (Just when I think I'm understanding) – the nameplate is listed as 215 w, and I can't find the math to make that work.

The Pugliese Contracting project (#N2388 Pugliese Contracting PV) at 4 Ledge Road in Windham consists of 135 - Enphase M215 inverters (.215 kW, AC rating). The total installed capacity of the system is 29.03 kW (.215 x 135 = 29.03 kW, AC rating). The "Application" for this project was received and processed by PSNH on August 12, 2011. The project received "Authorization to Interconnect" on October 3, 2011.

3) Buckley Gould Real Estate' IA lists the nameplate rating as 18.564 in the margin. Would you please explain – I came up with 18.0. Time for a new lesson for me!

The Buckley Gould Real Estate project (#N2695 Buckley Gould Real Estate PV) at 500 Market Street, Unit 9L in Portsmouth consists of 78 - SolarBridge Pantheon II inverters (.238 kW, AC rating). The total installed capacity of the system is 18.56 kW (.238 x 78 = 18.56 kW, AC rating). The "Application" for this project was received and processed by PSNH on May 10, 2014. The project received "Authorization to Interconnect" on January 27, 2014.

4) The Goldblatt residence at 9 Hartswood Road, Dover, was done in two installments; one w/ a nameplate rating of 7, and the second, with two inverters, totaling 6 for a grand total of 13. (Their application states nameplate of 14.04 so I just want your verification).

You are correct, this project was completed in two phases. Phase 1 of this project (#N2755 Goldblatt PV) at 9 Hartswood Road in Dover consists of 1 - SMA Sunny Boy 7000 US-TL inverter (7 kW, AC rating). Phase 2 of this project (#N2755A Goldblatt PV) consists of 2 - SMA Sunny Boy 3000 US-TL inverters (3 kW, AC rating). The total installed capacity of the system is 7 kW + (3 kW x 2) = 13 kW, AC rating - total. The "Applications" for these projects were received and processed by PSNH on July 29, 2013. The projects received "Authorization to Interconnect" on October 21, 2013.

I greatly appreciate your help.

Barbara Bernstein
Sustainable Energy Division
NH Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301-2429

603-271-6011

Barbara.bernstein@puc.nh.gov

#N2096
Watts PV

Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information:

Check if owner-installed

Customer or Company Name (print): Mary Watts Contact Person, if Company: _____

Mailing Address: 530 Newmarket Road

City: Wayne State: VT Zip Code: 03278

Telephone (Daytime): 603-956-2091 (Evening): Same

Facsimile Number: NA E-Mail Address: dwatts@dimenotech.com

Address of Facility (if different from above): Same as above

City: _____ State: _____ Zip Code: _____

Electrical Contractor's Name (if appropriate): Mid-VT Electric - Simon Bradford

Mailing Address: PO Box 130

City: South Royalton State: VT Zip Code: 05068

Telephone (Daytime): 802-763-2448 (Evening): Same

Facsimile Number: NA E-Mail Address: NA

License number: 12438 M

Date of approval to install Facility granted by the Company: _____

Application ID number: Watts N2096

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of

Warner, NH
(City/County)

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection): Simon Bradford

Name (printed): Simon Bradford

Date: 9/21/09

As a condition of interconnection you are required to send/fax a copy of this form to :

Company: Public Service Company of New Hampshire
Name: Supplemental Energy Sources Department
Mail 1: 780 North Commercial Street
Mail 2: P. O. Box 330
City, State ZIP: Manchester, NH 03105-0330
Fax No.: (603) 634-2449

place on net metering 9/21/09
Mike Fr

NOTED SEP 22 2009 MFF

I have inspected the PV system installed in September 2009 by groSolar, White river Junction, VT at the residence of Daniel Watts at 530 Newmarket Rd in Warner, NH and certify that it meets applicable electric codes.

Signed: Simon Bradford Date: 9/21/09

Simon Bradford, NH Liscense Number 12438M

Mid-VT Electric, Inc.

South Royalton, VT 05068

NOTED SEP 22 2009 MFF