



## Vermont Small Scale Renewable Energy Incentive Program Solar Electric System Project Documentation and Final Incentive Request

***Incomplete documentation will be returned to the Installer***

Please read carefully and complete all sections. Incomplete or incorrectly completed forms will cause delay, may be returned to the applicant, and may not be approved for incentive payment.

### Incentive Reservation Information

Incentive Reservation Number: \_\_\_\_\_ (From Approval Letter)

Customer Name: \_\_\_\_\_

Installer: \_\_\_\_\_

Incentive Reservation Expiration Date: \_\_\_\_\_ (From Approval Letter)

### Documentation Checklist

***All items MUST be checked (included) or marked N/A***

\_\_\_\_\_ Documentation Checklist (this page)

\_\_\_\_\_ Project Change Information Sheet (filled out even if there are no changes)

\_\_\_\_\_ Final Incentive Calculation and System Cost Worksheet

\_\_\_\_\_ Copy of Final Customer Invoice

- A copy of the final invoice (dated and itemized) for the system as installed must be included. **The originally approved Vermont Small Scale Renewable Energy Incentive amount must be listed as a line item on the final invoice, unless the installed system is smaller than that approved, in which case the calculation from the Final Incentive Calculation Form should be listed.**

\_\_\_\_\_ Copy of Approved Certificate of Public Good (all pages)

\_\_\_\_\_ Project Technical Documentation Worksheet

\_\_\_\_\_ One-line Diagram – following all instructions in the Project Technical Documentation Worksheet

- Cut or specification sheets for major components are strongly recommended but not required

\_\_\_\_\_ Signatures/ Certifications Page

- All customer certification items must be checked off by the customer
- Customer and Installer must sign

RERC USE ONLY:

Date Rec'd: \_\_\_\_\_

Res. Number \_\_\_\_\_

Date Apprvd: \_\_\_\_\_

## **Project Documentation and Final Incentive Request Form Instructions**

1. Fill out the form entirely. All information is necessary for processing.
2. Mail the complete incentive packet to:

Vermont Small Scale Renewable Energy Incentive Program  
255 South Champlain Street, Suite 7  
Burlington, VT 05401

**Information on renewable energy and the Vermont Small Scale Renewable Energy Incentive Program is available through the Renewable Energy Resource Center at [www.erc-vt.org](http://www.erc-vt.org) or by calling 1-877-888-7372.**

## Project Change Information Sheet

Identify and explain any differences between the project **AS INSTALLED** and the information provided on the incentive reservation application form. If there have been changes, you must identify them below.

<b>Incentive Reservation Form Section</b>	<b>CIRCLE THE CORRECT RESPONSE TO EACH</b>
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<b>Section A: Customer Information</b>	<b>NO CHANGES</b>	<b>CHANGE TO:</b>

<b>Section B: Contractor /Installer Information</b>	<b>NO CHANGES</b>	<b>CHANGE TO:</b>

<b>Section C: Equipment Information</b>	<b>NO CHANGES</b>	<b>CHANGE DOCUMENTED BELOW</b>
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Changes to equipment require a full description of the equipment installed. Please give full information on all changes below: Manufacturer, model #s, power ratings, number of modules and/or inverters.

***NOTE: Incentive reservations are based on the ORIGINAL equipment configuration unless approved AFTER review***

## Final Incentive Calculation and System Cost Worksheet

**Total Array Output** (as installed): \_\_\_\_\_ DC Watts

**Solar Electric Incentive Calculation:**

Any changes between the system as proposed under the original, approved incentive reservation and the system as installed must be fully documented when the project documentation forms are submitted. Any such changes are subject to review and approval with respect to system eligibility and final incentive amount.

Multi-family Low-income Project Applicants:

Original approved incentive reservation amount: \_\_\_\_\_

Total Array Output in Watts (as installed) x \$3.50 = \_\_\_\_\_

Final Requested Incentive amount: \_\_\_\_\_

Must be the lesser of:

- The amount calculated above
- \$35,000
- 50% of the total installed system costs, as calculated according to final invoice (included)

Other Applicants:

Original approved incentive reservation amount: \_\_\_\_\_

Total Array Output in Watts (as installed) x \$1.75 = \_\_\_\_\_

Final Requested Incentive amount: \_\_\_\_\_

Must be the lesser of:

- The amount calculated above
- \$8,750

**Total Installed System Cost (before incentive amount is removed):** \_\_\_\_\_

## Project Technical Documentation Worksheet

The following items are required and should be included with the final documentation:

1. All systems must be net-metered, utility-interconnected systems and must include a copy of their **Certificate of Public Good (CPG)**.
2. The installation and documentation must meet all of the requirements outlined in **Section E: Eligibility Requirements** of the **Solar Electric Incentive Reservation Form**.
3. One-line diagram(s) and/or schematic showing system details **as installed** – including the following:
  - All major field-installed electrical components, including inverter make and model
  - Detailed module information and series/parallel configuration of modules
  - Wire type, all wire run lengths and wire size to all major system components, including grounding details
  - Conduit type and size
  - Ratings for all circuit breakers and fuses
  - For battery systems; charge controllers and non-PV generators where applicable
  - Details of Photovoltaic Output Circuit as posted on DC disconnect
  - Locations of junction or combiner boxes
  - The utility disconnect type and location
  - Means and location of connecting to the building electrical system.
4. Information as posted on PV Power Source Sign (permanently located on site at DC disconnect, as required by the NEC) NOTE: Please follow formulae included here. Deviations, errors and creative math will result in incentive payment delays.

**Operating Current:**

$$\frac{\text{_____}}{\text{Module operating current (Ip)}} \times \frac{\text{_____}}{\text{Qty. strings or modules connected in parallel}} = \text{_____}$$

**Operating Voltage:**

$$\frac{\text{_____}}{\text{Module operating voltage (Vp)}} \times \frac{\text{_____}}{\text{Qty. modules connected in series}} = \text{_____}$$

**Maximum System Voltage:**

$$\frac{\text{_____}}{\text{Module open circuit voltage (Voc)}} \times \frac{\text{_____}}{\text{Qty. modules connected in series}} \times \frac{125\%}{(-20^{\circ}\text{F to } -40^{\circ}\text{F min.})} = \text{_____}$$

**Short Circuit Current:**

$$\frac{\text{_____}}{\text{Module short-circuit currents (Isc)}} \times \frac{\text{_____}}{\text{Qty. of modules in parallel}} = \text{_____}$$

*It is not necessary to multiply short circuit current by 125% except for sizing purposes.*

5. Information as posted on sign identifying AC point of connection (permanently located on site at AC point of connection, as required by NEC)

**Maximum Operating Current:**

\_\_\_\_\_ Inverter continuous output current rating

**Operating AC Voltage:**

\_\_\_\_\_ Nominal AC voltage at interconnect

## Project Technical Documentation Worksheet (cont.)

6. Can the system operate independent of the grid as a stand-alone power source and in parallel with the grid?

\_\_\_\_\_ **Yes.** If so, there must be a sign at the main service disconnect notifying the type and location of the optional standby system – indicate on one-line schematic.

\_\_\_\_\_ **No,** the system is grid connected but is not capable of operating independently of grid power.

\_\_\_\_\_ **No,** the system is off-grid. **Off-grid systems are not eligible for incentive.**

7. Solar Electric Array Location:  Rooftop  Pole  Ground Mount

8. Solar Electric Module Orientation: \_\_\_\_\_ **degrees** (indicate if magnetic or true)

9. Solar Electric Module Tilt: \_\_\_\_\_ ( 0 degrees horizontal, 90 degrees vertical)

10. Solar Module Tracking:  Fixed  Single Axis  Double Axis  
*If fixed with adjustable tilt, please check fixed*

11. Estimated Annual Output of the system as installed: \_\_\_\_\_ kWh/year  
**Note: We will be checking this figure against PVWatts Version 1. Please adjust for shading.**

12. Cut or specification sheets for major components (Strongly recommended, but not required)

13. Warranty Information:

Module: \_\_\_\_\_ years at \_\_\_\_\_ % of rated power output  
(minimum of 5 yrs required)

Inverter: \_\_\_\_\_ years (minimum of 5 yrs required)

Installation: \_\_\_\_\_ years (minimum of 5 yrs required)

14. The submission of digital or standard photographs of the installation is encouraged but not required.  
**Please sign here if we may use your photographs for program promotion.**

## Signatures/Certifications

### Customer Certification

I certify that I meet the participant eligibility requirements as listed on the Incentive Reservation Form. I have also purchased the solar electric system described in this application and it has been installed and is operating at the location indicated above. I further certify that (all items must be checked off by the customer):

\_\_\_\_\_ I have been provided with a copy of a user's manual for this system and I am familiar with recommendations for the system's safe operation and maintenance.

\_\_\_\_\_ I have received and reviewed warranty information.

\_\_\_\_\_ I have received an estimate of the system's annual output.

\_\_\_\_\_ I am aware that the incentive program will be conducting limited verification inspections. If requested, I am willing to schedule and allow an inspection of the system for program verification.

I understand that any deliberate attempt to misrepresent information in this application will disqualify me from participation and all claims to incentives offered through Vermont's Small Scale Renewable Energy Incentive Program.

\_\_\_\_\_  
Customer's Signature

\_\_\_\_/\_\_\_\_/\_\_\_\_  
Date

### Installer Certification

I certify that I have worked with the customer referenced above to install the solar electric system described above. The system is now fully installed and operational. It has been installed in accordance with the program's eligibility requirements, the Vermont Interconnection Safety and Technological Requirements (VT Public Service Board Order of April 21, 1999), and the National Electric Code®. I have also provided the customer with information on the warranty, safe operation, and maintenance of their system, including a copy of a user's manual for this system.

I understand that any deliberate attempt to misrepresent information in this application will disqualify me from participation in the program and all claims to incentives offered through Vermont's Small Scale Renewable Energy Incentive Program.

\_\_\_\_\_  
Installer's Signature

\_\_\_\_/\_\_\_\_/\_\_\_\_  
Date