Residential New Construction Solar Energy Program

Interconnection and Rebate Reservation Application

To be completed by builder or builder's solar installer only, Must be signed by Customer/Generator (Builder)

SECTION ONE: General Information

Applicability and Purpose All Roseville Electric (hereinafter RE) new home builders wishing to install or install and receive rebate for photovoltaic generating systems (hereinafter PV) greater than 1.0 AC kilowatt of installed capacity on their new homes in parallel with Roseville Electric's electric service must have their installer complete this application prior to commencing construction.

The new installed PV system shall at all times comply with Roseville Electric's Rule 21 as well as with all applicable laws, tariffs, electrical codes and applicable requirements of the City of Roseville. Rule 21 may be found at www.roseville.ca.us/Rule21
Under no circumstance may the PV system electric production exceed 100% of the customer's estimated energy use. By completing and signing this document Customer/Generator (Builder) and PV installer agree to observe all applicable program rules and requirements for this installation.

This form has two uses.
1. INTERCONNECTION: If PV is will be installed on a new home or homes this form must be completed and approved by RE for interconnection to RE's distribution system. If it has not been approved when the net meter is to be installed the PV system will be locked off until proper approval has been obtained.

2. REBATES: In addition to this form's use as the interconnection agreement, it also serves as the rebate application for new construction homes not participating in RE's BEST Homes construction rebate program. PV rebates are not guaranteed until formal reservation has been provided by RE to applicant. Rebates will be reserved on a first come first served basis only or until funds are depleted. If a village will be built to high energy efficiency standards (15% beyond Title 24) the applicant may consider Roseville Electric's BEST Homes new construction rebate program which may pay a higher incentive rate for PV as well as an incentive for efficient building. Information on the BEST Homes program can be found at: http://www.roseville.ca.us/electric/developers/residential/best.asp

Interconnection application must be made by builder at the earliest possible opportunity preferably before construction begins or PV system may be disconnected from Roseville Electric Grid and may forfeit any rebate that is applicable

Application Type (Check one)
□ **Interconnection only (no rebate)**
□ **Interconnection and rebate**

Village Type (Check one)
□ **Solar PV is standard on all homes in village**
□ **Solar PV is an upgrade option only**

General Information – Please complete ALL fields

Builder/Customer-Generator Information				
Builder Name			Builder Roseville Electric Account #	
Builder Main Office Address	Village Name	# of Lots	Builder Telephone	E-Mail
Number of Homes Applying on this Application	Quantity of unique home plans		PV Sizes offered on these homes (list all available AC Wattages)	

May 2014

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Solar Lending Company or PPA Provider Information		
Name of Company	Telephone	Fax
Mailing Address (street, city and zip)	City of Roseville Business License #	
Contact Name	Contact Phone	Contact E-Mail
Solar System Installer		
Name of Company	Telephone	Fax
Mailing Address (street, city and zip)	City of Roseville Business License #	Contractor's License #
Contact Name	Contact Phone	Contact E-Mail
□ This contact person is to be used as Roseville Electric contact and is authorized by Builder to receive confidential information and act on behalf of customer with respect to this agreement		
Multiple Address Information		
Complete and attached to this application the multiple address information sheet RNCSEP Multiple Address Information Sheet		

SECTION TWO - Metering

Net Metering

- Net metering for a solar generating system requires a Roseville Electric-owned bi-directional revenue net meter. This meter is capable of measuring electric flow both into the meter from the Roseville Electric grid and out of the meter from the solar energy system. This agreement must be approved before RE will install the net meter and/or allow it to operate at new construction homes.

Billing and Net Metering Tariffs

- Please go to the Roseville Municipal Code Section 14.24.051 for complete information: http://qcode.us/codes/roseville/ or call (916)797-6937 for further assistance.

SECTION THREE - Equipment Information

1. **AC Disconnect Switch** List the AC disconnect switch that will be used for this solar energy system.
   Please Note: A separate visible, manually operated and lockable AC disconnect switch (as detailed in Roseville Electric Rule 21) must be installed within 5 ft of the point of interconnection, meeting the criteria as outlined in Roseville Electric Rule 21.

Disconnect Switch Manufacturer	Disconnect Switch Model Number	Disconnect Switch Rating (amps)

2. **Inverters Interconnected to Roseville Electric** List all of the inverters on the RNCSEP Multiple Address Information Sheet that will be interconnected to Roseville Electric, must be on the California Energy Commission (CEC) list of approved inverters. Use of micro-inverters will require an additional CEC approved performance display for the total installed "system".

3. **Micro-Inverter Performance Monitoring Display** The use of micro-inverters will require an additional CEC approved performance monitoring display for the total installed PV system.
   Manufacturer Name: _____

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Location placement at Customer-generator facility: _____

4. **Solar Equipment** List the solar/photovoltaic (PV) panel information on RNCSEP Multiple Address Information Sheet.xlsx
Panels must be an approved and listed by the California Energy Commission.

SECTION FOUR - Conditions for Interconnection Approval and Rebates

INTERCONNECTION
Application documents are required to ensure safe and reliable operation of Roseville Electric's Distribution System and to confirm that Customer-generators interconnection has been performed in accordance with Roseville Electric's tariffs and Rule 21. This is why it is important for all Customer-generators, even those wishing for interconnection only, to submit a complete application package. **Customer-generators should not delay sending any part of the agreement package to Roseville Electric.**

SECTION FIVE - Rebate Calculation and Payment (Do not complete this section if applying for interconnection only)

REBATE APPLICABILITY
This section is specifically and solely for rebates in addition to interconnection agreement between new construction builders and Roseville Electric. Rebates are not reserved until RE has officially responded and reserved funding. RE will provide a letter confirming reservation amount per watt and overall funding set aside in a signed letter.

Expected Performance Based Incentive (EPBI)	Enter data in this column
A. ENTER: CSI Rating (kW) from Calculator at: www.csi-epbb.com Use average rating across all homes in this village if sizes are varied default to largest size (*this is found on page 2 of the CSI report, it is a factor of the CEC-AC rating and the design factor*)	
B. Roseville Electric Incentive Rate ($ per AC Watt) (See Roseville Electric Program Handbook and call Roseville Electric for more information)	**$0.32**
C. REBATE CALCULATION PER HOME: A X B	**$**
D. TOTAL MAXIMUM PV REBATE FOR VILLAGE: C X (# OF HOMES IN VILLAGE)	**$**
E. REBATE PAYEE: □ Builder □ PV Installer □ PV Lender or PPA	**Initial**_____

SECTION SIX – Interconnection Compliance

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Customer-generator shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers and accredited testing laboratories such as Underwriters Laboratories, and Roseville's Rule 21. A Customer-generator with a solar generating system that meets those standards and rules shall not be required to install additional controls and/or pay for additional tests.

Required Documents

Complete application and submit to RE with the following documents:

1. Purchase agreement or invoice to builder for individual PV systems or blanket village purchase agreement
2. Equipment/system warranty information, 10 year minimum warranty required on all systems
3. CSI Standard PV Calculator printout. In the case where there are multiple PV system sizes available to the customer provide a separate CSI calculation for each possible system size. The calculator is found at: (www.csi-epbb.com)
4. A single-line diagram showing Customer-generators actual roof top or site installation of the renewable energy system.
    a. The diagram must include
        i. The electrical rating and operating voltages of the significant electrical components such as the service panel.
        ii. The location of the visible open lockable AC disconnect switch (per Roseville Electric Rule 21), inverters, all solar panels, circuit breakers and other protective devices of the renewable energy systems.
        iii. The general location of the Customer-generators loads relative to the renewable energy system, and the interconnection with Roseville Electric's Distribution System.
        iv. A description of how the power output from the inverter is connected to the main service panel via a branch breaker.
        v. The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the renewable energy system. The output rating is computed based on the total nameplate rating of the inverter.
5. A solar roof layout diagram of all possible unique home plans, and system sizes.

- Customer may not turn solar generation system on until this application is approved by Roseville Electric, the net meter has been installed, and the final building inspection is complete.

Initial here _____	**I have read and understand the terms set forth in the Roseville Electric New Construction Solar Program Interconnection Compliance Section.**
Initial here _____	The Contractor listed in the Roseville Electric Residential New Construction Solar Energy Program Application is authorized by the Customer/Generator(Builder) to receive confidential Customer/Generator (Builder) account billing and electric usage information pertaining to this installation.

By initialing the boxes above and signing this agreement, Customer/Generator (Builder) authorizes Roseville Electric to release information to the contractor named herein regarding Customer/Generator (Builder) usage and billing information, solar energy system location, size and operational characteristics as requested in the course of this interconnection process. Roseville Electric is granted permission to share information with authorized recipients for a period of three years from the date this agreement is received by Roseville Electric. In addition, Customer/Generator (Builder) authorizes Roseville Electric to release to the California Energy Commission information regarding Customer/Generator (Builder) facility size and operational characteristics (excluding customer-generator name, contact information, other personal information and solar energy system location) as requested from time to time pursuant to the California Energy Commission's rules and regulations.

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SECTION SEVEN - Document Submittal Contact Information

Email or mail the required attachments and Application to:
Roseville Electric
ATTN: Residential New Construction Solar Applications
2090 Hilltop Circle
Roseville, CA 95747
rosevilleelectric@roseville.ca.us
For questions or assistance please contact Roy Gillham at Roseville Electric rgillham@roseville.ca.us

SECTION EIGHT – Terms and Conditions

A. Each of the undersigned declares under penalty of perjury that:

- The site installation is located within the service territory of Roseville Electric.
- The above described PV system is intended primarily to offset part or all of the Applicant's electrical needs at the site of installation.
- The Applicant has read and understands the program requirements set forth in this Application and has agreed to abide by these requirements.
- If a rebate is paid, the Applicant understands that the specified system must be mounted permanently and remain in operation in Roseville for no fewer than 10 years.
- The Applicant understands that program funds are limited, reservations are required and that rebates are available on a first-come-first-served basis.
- The applicant understands that Roseville Electric Residential rates and rate structure may change over time and that current rates will apply.
- The Applicant understands that program funds are not reserved until RE confirms the reservation; a letter will be e-mailed to the customer and contractor with the reservation approval.
- The Applicant agrees that the selection, purchase, and ownership of the equipment is their sole responsibility. Roseville Electric makes no representation as to the safety, reliability, and/or efficiency of the equipment selected or components thereof.
- Roseville Electric makes no warranty, whether expressed or implied, including warranty of merchantability of fitness for any particular purpose, use, or application of the equipment.
- The information provided in this form is true and correct to the best of their knowledge.
- The applicant has read and agreed to abide by all guidelines set forth in the Roseville Electric Solar Electric Rebate Program Guidebook.

Required Application Signature

Builder Representative Name (PRINT)	Date
Builder Representative Signature	

Roseville Electric Use Only

Interconnection Agreement Documentation Approved (Yes/No)	Date of Approval
Rebate request approved and reserved	Amount of rebate reserved
If not approved provide explanation	RE Representative:

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