Roseville Electric's Residential New Construction Program

Roseville BEST Homes
Rebate Reservation Form

INSTRUCTIONS

To apply for pre-approval, submit this completed application along with the following additional forms to the Roseville Electric representative prior to construction:

1. Electronic copy of Title 24 Form as approved for your building permit, preferably a complete Energy Analysis Report - 1 set for each plan. Email all documents to dbradford@roseville.ca.us
2. A subdivision lot map
3. HVAC Equipment Schedule (identifying a minimum 15SEER / 12EER unit)
4. Roof Plan and a One Line Diagram for the solar electric system
5. Landscape Plans for verification of Shade Tree rebate eligibility
6. CSI Incentive Calculator results – CSI reports will be required with rebate payment requests

Complete one reservation form per community. Additional terms and conditions of participation are required and are fully incorporated herein.

APPLICANT INFORMATION

Company Name		Mailing Address		
Contact Name		City	State	Zip Code
Contact Telephone Number	Contact Fax Number	Email Address		

PROJECT INFORMATION

Project Name	Phase	Specific Plan	
Project Site Contact		Project Address/Location	
Contact Telephone Number	Actual # of Lots in This Phase		
Total # of Models in Project	Total # of Floor Plans in Project	Expected Start Date	Expected Completion Date

PV System Information

Total Installed System Cost (pre rebate)	Eligible Rebate = $1.36 x CSI Rating

Estimated rebates are subject to verification and modification by Roseville Electric at its sole discretion.

Energy Efficiency Rebate ($500)	# Units	Refund $
plus PV Rebate ($1.36 per Watt$_{AC}$)	# Units x Eligible Rebate	Refund $
Shade Trees ($30 per tree) Minimum 1 tree per lot average	# of proposed trees	Refund $
Total Rebates		Refund $

APPLICANT CERTIFICATION

I, the undersigned, certify that this project meets the incentive eligibility requirements and the information that I have supplied on this application is true and correct.

Print Name	Company Name	Signature	Date Signed

RE USE ONLY

Post-Inspection	Fund Source	Application Approved by:

CITY OF ROSEVILLE CALIFORNIA
Roseville Electric

Roseville Electric's Residential New Construction Program

Roseville BEST Homes Program

Terms and Conditions

Program Overview

Roseville Electric's BEST (Blueprint for Efficiency and Solar Technology) Homes program is part of the comprehensive statewide solar program created by California's Senate Bill 1 (SB1) and in observance of the California Solar Initiative.

Qualifying new construction residential dwelling units are eligible for rebates from Roseville Electric, provided all program requirements are met.

All homes in the BEST Homes program must achieve energy efficiency levels substantially greater than the requirements of the current Building Energy Efficiency Standards,[1] Title 24, Part 6, also known as "Title 24."

In addition, all qualifying homes must include a rooftop Photovoltaic (PV) system. Eligible PV systems must be permanently mounted at the customer location to a non-mobile structure. In addition, the building permit for the solar system must be approved by the City of Roseville and have completed the final inspection approval before any incentive payment is made.

Eligible systems must remain interconnected to the utility distribution grid and be operated at the original location for their expected economic life.

For systems under 10kW CEC AC watts (CSI rating), the incentive is paid in a single payment once the system is installed, passed City inspection and has met all program requirements. For all systems greater than or equal to 10kW CEC AC watts (CSI rating), please refer to Roseville Electric's Solar Electric Program Handbook.

The builder must receive reservation approval in writing from Roseville Electric before becoming eligible to receive funds from this program.

Funds are limited and will be reserved on a first come first served basis.

This program may end, or be revised, when current Title 24 standards change or sooner if budgeted funds have been expended, or as determined by the Roseville Electric's Utility Director.

The BEST Homes program will be periodically evaluated and modified to satisfy SB1 program requirements and to adjust for Roseville Electric progress towards program goals.

Prior to implementing any program changes, Roseville Electric will give the BEST Homes builders a minimum of thirty (30) days' written notice for any material program changes, rebate level adjustments, and/or program terminations. This written notice will include the effective date of the changes. After the effective date, applications and rebates for all qualifying dwelling units will be processed according to the new program requirements.

General Building Requirements

To qualify, each dwelling must:

1. Be a single family dwelling unit and must receive, or will receive, retail electricity distribution service at the site of installation from Roseville Electric. Dwelling units less than 1,500 square feet may require additional review before application is approved. Structures detached from the primary residence that are residential living areas (e.g., Casitas) must also meet all program criteria. The following facilities do not qualify: apartments, manufactured housing, mobile homes, residential care facilities, and dormitories. All dwellings are subject to review and approval, by Roseville Electric.
2. Be permitted under the applicable Energy Efficiency Standards for Low-Rise Residential Buildings (Title 24) and achieve compliance using a California Energy Commission (CEC) approved computer method. The Prescriptive Compliance Method is not eligible.
3. Meet the Tier 1 energy efficiency levels as a minimum condition of participation as defined at: www.roseville.ca.us/BestHomes.
4. Receive third party verification on PV systems and energy efficiency measures.

[1] These Standards are specified in the California Code of Regulations, Title 24, Part 6, commencing with Section 100.

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How to Apply

Submit the following to Roseville Electric for each village:

1. A completed Roseville BEST Homes Rebate Reservation Form.
2. An electronic copy of Title 24 Form as approved for your building permit - i.e. CF-1R, Energy Analysis Report – 1 set for each plan, as required by the City of Roseville.
3. A subdivision lot map.
4. A completed Equipment Schedule.
5. A Roof Plan and a One-Line Diagram for the solar electric system.
6. The CSI or NSHP Expected Performance-Based Buydown (EPBB) calculation per home model.
7. A completed, and approved, Shade Tree Reservation Form, including landscape plans.

It is the applicant's responsibility to submit documentation that verifies compliance with CEC requirements to Roseville Electric's satisfaction.

Project Viability

The agreed upon production start date must not be greater than 12 months from the date of reservation approval.

Three months following the agreed upon production start date, the builder may be asked to provide proof of a commitment to timely construction. The following documents may be required:

- Grading Permit
- Building Permit
- Approved Construction Schedule from the appropriate governing entity

If, after review of these documents, Roseville Electric determines that the project is not progressing, Roseville Electric reserves the right to cancel the reservation. If these documents are not available the applicant must demonstrate that the project is in the process of obtaining construction permits. If Roseville Electric cancels the reservation, the applicant may reapply at a later date. Reservations will be accepted and incentives will be committed based upon the program requirements and funds available at the time of reservation approval.

The application shall remain in effect for twenty-four (24) months from the agreed upon production start date. Additional applications and/or model types will expire based on the expiration date of the original application.

Program Process Overview

1. Roseville Electric representative will directly contact the applicant for any necessary clarifications or correction.
2. Upon approval of this application, and during construction, Roseville Electric will, at its discretion, perform inspections and tests to verify proper installation and performance of air conditioning system, energy efficiency measures and solar electric systems.
3. The builder is to ensure that all applicable certificates are available for inspection by Roseville Electric and its representatives.

Once you receive approval from Roseville Electric

Before Construction

Notify all applicable subcontractors that every unit in the phase must conform to Roseville Electric's BEST Homes Program standards.

During Construction

Prior to any changes, notify Roseville Electric of any changes that will affect total energy use of the home, such as added or relocated windows, addition of "bonus" rooms or other areas not shown on the original Title 24 submittal, changes in proposed HVAC and/or changes to building insulation. Some of these changes will require a new Title 24 and a new Roseville BEST Homes Application. Also, notify Roseville Electric of any changes with regard to the size of the photovoltaic system and/or the number of systems to be installed.

Changes must be made in writing with details explaining the specific changes. Provide the applicable lot numbers and/or street addresses incorporating detailed changes.

Roseville Electric reserves the right to modify, or terminate, the rebate level at the time such changes are implemented and submitted to Roseville Electric for approval.

After The Homes Are Completed

Applicant is to provide Roseville Electric with the following, within 45 days of the building's final inspection approval:

1. A completed Request for Payment form and a multiple address list form if necessary.
2. CSI Incentive Calculator – CSI Standard PV Report (from www.csi-epbb.com)
3. A copy of the Final Inspection form, signed by a City of Roseville Building Inspector, for 100% of all rebated residences.

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4. Third party field verification and diagnostic testing, by a registered HERS Solar rater, is the responsibility of the builder. The rater must perform the field verification and diagnostic testing procedures as identified in Roseville Electric's Solar Electric Program Guidebook. HERS Inspection minimum ratio of 1:7 homes is required.

Applicant Agrees To:

1. Notify Roseville Electric in writing of any changes that will affect the number of units, energy use, performance of the units and incentive levels covered by this application. Allow Roseville Electric access to each dwelling unit, prior to occupancy, to verify installation of measures and to perform any on-site diagnostic testing and verification.
2. Not refer to any dwelling units as Roseville BEST Homes unless those dwelling units qualify as such under the conditions specified in the application. References include advertising copy, other promotional material or verbal representation.
3. Assist in the promotion of the program by displaying BEST Homes branded messaging or materials in all model homes and sales offices.
4. Recognize the City of Roseville as the project location in advertisements and/or press material.
5. Applicant agrees not to state or imply to homebuyers or others that it is an agent, employee or representative of Roseville Electric.

Solar Electric Requirements

Certified Components and Systems

Major system components are defined as PV modules and inverters. All major system components must be new and must not have been previously placed in service in any other location or for any other application.

All major components must be listed on the CEC's Eligible Equipment List and certified by the CEC.

The applicant must confirm that the components purchased for a system are eligible when applying for a reservation.

All Inverters must contain a built-in performance meter. These 'meters' must meet the following requirements:

- A performance accuracy of +/- 5 percent.
- Have a communication port capable of enabling connection to remote performance monitoring and reporting services (PMRS).
- Shall retain production data during power outages.
- Shall measure and display both kW and kWh.

Contractors and Installation Codes and Standards

Systems must be installed in accordance with the manufacturer's specifications and with all applicable electrical and building codes and standards.

Systems must be installed by an appropriately licensed contractor, in accordance with rules and regulations adopted by the California Contractors State License Board. Installation contractors must have an active A, B, C-10, or a C-46 license.

Contractors with roofing specific licenses may place PV panels in accordance with limitations of their specific licenses; however, electrical connections must be made by an above-mentioned contractor.

Grid Connected

The solar electric system must be interconnected to the utility distribution grid and generate electricity to offset a maximum of 100% of the end-use consumer's on-site electrical load

The solar electric system must be located on the same premises of the end-use consumer where the consumer's own electrical demand is located.

Warranties

All solar electric PV systems must have a minimum ten-year warranty provided in combination by the manufacturer and installer to protect against defective workmanship, system or component breakdown or degradation in electrical output of more than 10 percent from the originally rated electrical output during the ten-year period.

The warranty must cover the solar electric generating system, including PV modules (panels), inverters, trackers, and meters, and provide for no-cost repair or replacement of the system or system components, including any associated labor during the warranty period.

The builder must provide Roseville Electric with a copy of the full warranties in order to complete the reservation package.

Interconnection Agreement

1. The builder must provide the escrow company with an interconnection agreement. The Roseville Electric Interconnection Agreement form can be found at: www.roseville.ca.us/BestHomes

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2. The builder must assure that the escrow company will have the home owner completely fill out and sign the interconnection agreement during the close of escrow.
3. The builder must work with the escrow company to guarantee that all interconnection agreements are returned to Roseville Electric

Generating System - System Rated Output

The System Rated Output is determined by the CSI/NSHP's EPBB calculator.

Shading

The builder will provide a set of landscape plans, identifying the selected tree species, to the utility.

The builder will verify that all trees planted on, or near residences, will not provide shade on rebated PV systems when the subject trees reach projected mature height.

Shaded systems will require a completed shading analysis report to be submitted prior to rebating. The CSI report must reflect reported shading.

Rebate Amounts and Payments

The total rebate consists of two parts:

- The energy efficiency component is designed to rebate the builder for home designs with energy efficiency and cooling efficiency beyond CA Title 24 requirements.
- The solar electric component is equal to:
  - The EPBB calculated CSI Rating (KW_{AC}) when using the CEC's Incentive calculator multiplied by the current rebate amount, per $watt_{AC,}$(CSI Rating)
  - Please refer to www.roseville.ca.us/BestHomes for current rebate amounts

The Expected Performance-Based Incentive (EPBI) pays a specific dollar incentive per CEC AC watt (CSI Rating) installed in one up-front payment.

The incentive amount for each applicant solar energy system is determined by analysis using the EPBB Calculator, and is paid when the solar system has been installed, approved by the local building authority, and all program requirements have been met.

The maximum rebate for a solar electric PV system is $6,000 per dwelling unit.

Funds are limited and will be awarded on a first come, first served basis until funds are expended.

Incentive payments will be paid to applicant, unless otherwise instructed by the builder in writing using the appropriate form.

All rebates will be paid upon verification of inspection and approval by the City of Roseville.

Incentives received from sources other than the BEST Homes program that lowers the cost of the PV system may affect the incentive amount applicants receive from Roseville Electric. If incentives are from other incentive programs, a State of California sponsored incentive program, or a federal government sponsored incentive program (other than tax credits), these must be declared at the time of reservation.

Total rebate will not exceed 50% of the net incremental cost, as defined by Roseville Electric.

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Additional Terms

1. If this program is terminated for any reason, Roseville Electric shall not be liable to the applicant for damages or compensation of any kind.
2. Roseville Electric reserves the right to determine eligibility for the life of this program.
3. Roseville Electric cannot be held responsible for any changes in incentive or eligibility, during the life of the reservation.
4. Roseville Electric makes no representation or warranty, and assumes no liability with respect to quality, safety, performance, or other aspect of any design, system or appliance installed pursuant to this program, and expressly disclaims any such representation, warranty or liability. Applicant agrees to indemnify Roseville Electric and the City of Roseville, its agents and employees against all loss, damage, expense, and liability arising from any measures installed.
5. It is strongly recommended that all PV systems installed in Roseville Electric territory meet the State of California State Fire Marshall Guidelines for the Installation of Solar Electric (PV) Generation
6. Roseville Electric reserves the right to modify reservation fund levels upon submittal by builder of revised design specifications, (i.e. modifications to PV system design, product type and/or a/c units).
7. All applications are subject to Roseville Electric's verification of eligibility and compliance with supplemental program descriptions and requirements to applicant. Roseville Electric retains final authority to calculate incentive payments under this program.

For More Information

Please visit www.roseville.ca.us/BestHomes or call 916-79-POWER.

Roseville Electric
Attn: BEST Homes Program
2090 Hilltop Circle
Roseville, CA 95747

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