

MPOWER

Solar Photovoltaic (PV) Program Rebate Program For Systems 30kW or Less

2010/2011 Application Process Summary

MID offers a one-time rebate incentive for qualified PV systems for electric customers who purchase and install solar photovoltaic (PV) projects 30kW or less in size. This program applies to existing electric customers / premises and is not applicable to new construction. PV system must remain in place for a minimum of 20 years. MID reserves the sole right to periodically modify & amend program requirements and to determine if program eligibility criteria have been satisfied. See www.mid.org/rebates for current information and forms.

MID Incentive - The rebate incentive for qualified PV systems is \$2.00 per installed alternating current (AC) watt per customer account, not to exceed 50% of total project costs. MID will provide incentive payment for PV systems sized not to exceed of 100% of annual electric (kWh) consumption. The MID PV rebate incentive will decrease no later than August 1, 2011, as required per California law (Senate Bill 1). This program is not applicable to new construction. Qualifying PV systems must have a peak capacity of at least 1,000 watts (1 kW). Rebates are limited to the first 30 kW of PV system capacity. Qualifying PV systems larger than 30 kW may be eligible for incentives under the District's Performance-Based Incentive (PBI) Program.

Please review MID Solar Photovoltaic Rebate Program Handbook for important details.

Application Process

Step 1 - Review the Application / MID Solar Photovoltaic Rebate Program Handbook

To be eligible for Photovoltaic System Rebate Program incentives, qualifying MID customers and their vendor and/or installer partners must meet all the requirements as set forth in the MID Solar Photovoltaic Rebate Program Handbook. Customers should carefully review the entire application and handbook. Photovoltaic systems require a considerable financial investment and are not suitable for all customers. Customers are advised to seek out information about PV/solar technology and how to go about choosing a PV system.

An "MID Educational Guide to PV Technology" is available upon request. It is available by calling the MID PV Program Coordinator at 209-526-7455. It can also be found at the MID website. Additional useful websites and links are listed at the MID website.

Step 2 - Complete in Full / Submit the Photovoltaic Rebate Program Reservation Request Application

MID must approve your project **prior** to installation. To qualify for the Photovoltaic System Rebate, MID must first receive a completed PV Rebate Program Reservation Request Application.

The following items must be submitted with the PV Project Reservation Form:

- Single Line Diagram of proposed PV system including system module and inverter details.
- Detailed Site Drawing showing the specific (building) location of array(s) and inverter(s).
- Shading Analysis Report (Solar Pathfinder or equivalent technology). Report should show projected annual PV project generation.
- A copy of the signed contract between the customer and PV contractor / vendor / integrator.
- Affidavit of Sole Ownership
- Energy Efficiency Disclosure Agreement

Send the Reservation Form along with the additional attachments to:

Modesto Irrigation District
Attn: Energy Services Dept - Solar Program Coordinator
P.O. Box 4060
Modesto, CA 95352-4060

Step 3 - Approval from Modesto Irrigation District

Upon receipt and approval of your Application, MID will send you or your vendor confirmation that your Application has been accepted and inform you that incentive monies have been reserved for your project. From this point, customers will have one hundred and twenty days (120) to complete the installation of their PV system. As a condition of receiving MID PV incentives, MID requires that customers call and schedule to have an energy efficiency audit conducted on their home. This can be done by calling the MID Energy Services Dept. at 526-7339. There is no cost for this service.

Step 4 - Final PV System Approval and Payment

After the PV system has been installed and passed final inspection by the applicable local city or county building/planning department jurisdiction, customer or their vendor shall send MID:

- MID Incentive Claim Form (sent to customer/contractor with project acceptance letter)
- A copy of the final, signed, jurisdictional approval for Customer's PV System from the applicable local government entity.
- The completed MID Electrical Interconnection and Net Metering Payment Agreements.
- Equipment proof-of-purchase invoices & PV inverter and module warranties.
- A single-line diagram showing the Customer's actual installation of its PV System. The diagram must include the electrical rating and operating voltages of the main electrical components, including the customer service panel, inverters, modules, disconnect switch and circuit breakers.

Upon receipt and approval of this paperwork, MID will schedule and perform a post-inspection. MID will initiate rebate payment no less than 30 days after PV system start-up after MID verification of the customers' PV system generation. Customers should receive a rebate check within 30 days.

Program Qualification Standards

Participating MID customers (Applicants) must fulfill all Program Qualification Standards and guidelines to be eligible for program incentives. MID reserves the sole right to: 1) periodically modify and amend Program Qualification Standards and 2) determine if program eligibility criteria have been satisfied. PV systems must be owned by the MID customer receiving the incentive and documentation verifying ownership is required.

Generating System Output /Rebate Incentive

The Photovoltaic System Rebate Program incentive is \$2.00 per installed watt_{AC}-PTC (alternating current – Pacific Test Conditions). Incentives are calculated by determining the Total Array Output multiplied by the Peak Inverter Efficiency. Total Array Output equals the number of PV modules multiplied by the PTC_{DC} power rating of each module. Peak Inverter Efficiency is the level of efficacy that the inverter converts direct current to alternating current (DC to AC). Module PTC_{DC} ratings and Inverter Peak Inverter Efficiency ratings are found at the CEC website. (See CEC web link referenced earlier within this document)

EXAMPLE REBATE CALCULATION:

Proposed PV system consisting of 12 modules, each with a 167 watts_{DC} PTC rating (from CEC website) and using an Inverter with a Peak Inverter Efficiency of 94%:

12 modules x 167 PTC watts_{DC} = 2,004 watts_{DC}
2,004 watts x 94% Peak Inverter Efficiency = 1,883.76 watts_{AC}
1,883.76 watts_{AC} x \$2.00/watt = **\$3,767.52 Rebate**

Rebates may not exceed 50% of total project costs. Project costs include labor and all materials (modules, inverters, mounting structures, wiring). In addition to the MID rebate, Federal Tax Credits may also be available for MID customers who install PV systems. Information regarding such tax credits is available on the Internet at: <http://www.energytaxincentives.org>

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Questions? Call (209) 526-7455
MID web site: www.mid.org