PV App. #_____

LASSEN MUD
PV BUYDOWN PROGRAM APPLICATION

This application must be completed and submitted to Lassen MUD in order to reserve a rebate for installation of a solar photovoltaic (PV) system under Lassen MUD's Program.

1. Purchaser Information:

Name:

Installation Address: Zip Code: 9_____

Phone #: Email: Utility Account #:

2. Seller Information:

Company: Address:

Phone #: Fax #: Email:

3. Installer Information: Purchaser Same as Seller or as shown below:

Name:

Phone #: Fax #: Email:

Contractor Class: License #: Expires: Installer will provide full ten-year warranty? No Yes

4. Generating System:

Photovoltaic Module Manufacturer Module Model #:

Quantity: PTC Power Rating per Module: $Watts_{PTC}$ Total Module Output: Watts (Quantity x PTC Power Rating)

Inverter Manufacturer Inverter Model #:

Inverter CEC Efficiency: % Quantity: Inverter includes eligible performance meter? No Yes

Performance Meter Manufacturer: Performance Meter Model #:

Will PV system will be installed on roof? No Yes – Age of roof in years:

5. System Rated Output:

System Rated Output: $Watts_{AC}$ (Total module output watts x inverter efficiency)

Estimated Energy Production: kWh/year Methodology Used:

6. Estimated Performance Based Capacity Calculation:

Orientation (Azimuth in degrees)_____ Orientation Factor (from table)_____
Shading Percentage_____ _____Shading Factor (from table):_____

*Design Factor = Orientation Factor _____ x Shading Factor _____ = _____

System Rated Output x Design Factor* = _____Watts x _____ = $Watts_{AC}$ Expected Performance Based Capacity

7. Rebate: Pay rebate to: Purchaser Seller

Residential Rebate = $ _____ ($3.72 /$watt_{AC}$ x Estimated Performance Based Capacity, up to $14,880, not to exceed 50% of the total project)

Non-Profit Rebate= $ _____ ($2.61/$watt_{AC}$ x Estimated Performance Based Capacity, up to $261,000 not to exceed 50% of the total project)

Commercial Rebate= $ _____ ($2.61/watt x Estimated Performance Based Capacity, up to $261,000, not to exceed 50% of the total project)

Each of the Undersigned declares under penalty of perjury that:

1) the information provided in this form is true and correct to the best of my knowledge, 2) the above described generating system is intended primarily to offset part or all of the purchaser's electrical needs at the site of installation, 3) the site of installation is located within the service territory of Lassen MUD, 4) the purchaser's intent is to operate the system at the listed site of installation for its useful life and 5) the purchaser has received an LMUD Energy Efficiency Audit and has implemented all measures with less than 3 year payback.

Purchaser Name_____Signature_____Date_____
Seller Name_____ Signature_____ Date_____

Attachments: Please attach a copy of the utility bill, a purchase order for the equipment and installation of your generating system showing the itemized cost of the major equipment and labor, and a Shading Sun Chart.

HOW TO COMPLETE THE PROGRAM APPLICATION

1. Purchaser Information:

Provide contact information of purchaser of the system. Provide the street address where the system will be installed, and Lassen MUD account number.

2. Seller Information:

Provide the contact information of seller of the generating equipment.

3. Installer Information: Provide the installer's name, if different from the seller, and the California license class (C-10, electrical or C-46, solar) and license number of the installing contractor. Owner-installed systems are not eligible for participation.

4. Generating System: PV Modules: Enter the manufacturer's name, model number and quantity of photovoltaic modules that your system will contain. Only modules that have been certified by a nationally recognized testing laboratory as meeting the requirements of the Underwriters Laboratory (UL) Standard 1703 are eligible. Enter the “PTC” (not STC) rating of the modules. The California Energy Commission (CEC) maintains a list of certified modules and their PTC ratings on their website at: www.consumerenergycenter.org/cgi-bin/eligible_pvmodules.cgi. Multiply the module quantity by the module PTC watts to get Total Module Output in watts $_{PTC}$.

Inverters: Enter the manufacturer's name, model and inverter efficiency (at three-quarter's load) of the inverter in your system. Inverters must have a minimum warranty of ten years, and be certified as meeting the requirements of UL 1741. A list of certified inverters can be obtained from the CEC website at: www.consumerenergycenter.org/cgi-bin/eligible_inverters.cgi

Performance Meters: Meters must retain the kilowatt-hour production data in the event of a power outage and must be easy to read for the purchaser's benefit. The meter must measure the total energy produced by the system in kilowatt-hours and have a manufacturer's uncertainty specification of plus or minus five percent.

Roof PV Installations: PV modules have a warranty of 25 years. It is highly recommended to install PV over a new roof. Reinstalling PV modules after re-roofing can cost a few thousand dollars.

5. System Rated Output: Multiply the Total Module Output by the Inverter Efficiency. Please enter the entire system size even if your rebate will be capped. Enter the estimated energy production and indicate the calculation methodology used to determine the estimated energy production value in kilowatt-hours. For example, Clean Power Estimator or PV Installer's Guide. Clean Power Estimator can be found at www.consumerenergycenter.org/renewables/estimator/index.html PV Installer's Guide can be downloaded at www.energy.ca.gov/reports/2001-09-04_500-01-020.PDF

6. Estimated Performance Based Capacity Calculation:

Multiply the System Rated Output by the Design Factor, which is the multiple of the Orientation Factor and Shading Factor. Use the following Table:

Orientation of PV Array (Compass Direction, 180°= true south)	Tilt	**Orientation Factor**
Horizontal	0	1.0
135° to 225° Azimuth	Any	1.0
90-135° and 225-270°	Any	0.9
North of East-West	--	0.0 (no incentive)

Percent Annual Shading (derived from Sun Chart)	**Shading Factor**
0% to 15%	1.0
15% to 25%	0.9
25% to 35%	0.75
>35%	0.0 (no incentive)

This yields the Estimated Performance Based Capacity, which is the basis for the rebate calculation.

7. Rebate: Residential: Multiply the Estimated Performance Based Capacity watts by $3.72/watt $_{AC}$. If your system exceeds 4 kilowatts $_{AC}$, enter $14,880. Non-Profit: Multiply the Estimated Performance Based Capacity watts by $2.61/watt $_{AC}$. Commercial: Multiply the Estimated Performance Based Capacity watts by $2.61/watt . (Non-Residential rebates will not exceed $261,000)
AC AC

REBATE APPLICATION SUBMITTAL

Please mail your rebate Application to:

Lassen MUD PV Buydown Program
Attn: Efficiency Services
65 South Roop Street
Susanville, CA 96130

Upon receipt and approval of your application, Lassen MUD will send you a Reservation Confirmation and Claim Form. You have 6 months to install your system. After receiving your final building permit, please submit the Rebate Claim Form to receive your rebate.