



Eligible Renewable Generation Application

Solar Rebate Program

Senate Bill (SB) 1 required that Alameda Municipal Power (AMP) collect and pay out \$4.2 million in rebates from 2008 through 2017 to customers that installed solar photovoltaic (PV) systems. AMP's Solar Rebate Program has been fully subscribed and is now completed.

System Requirements

Under statute, one ERG customer is defined as the load served by one meter. PV systems must also comply with State-established standards, which include optimum orientation and tilt of panels, acceptable shade analysis results, certification of equipment and installers, and system warranties.

Systems shall be sized to meet customer consumption and minimize over-generation. During the ERG interconnection application review, AMP shall verify that the Rider ERG customer has sized their system to be no more than 110% of the annual electric consumption recorded for the ERG customer during the previous 12 months of service. If the service is new, the estimated annual electric consumption shall be estimated by the ERG customer on the ERG interconnection application, confirmed by AMP, and then used by the ERG customer to establish the ERG system sizing.

ERG customers must accept the terms and conditions contained in AMP's *Interconnection Agreement For Residential, Commercial or Municipal Eligible Renewable Electrical Generation Facilities Under Rider ERG*, or *Interconnection Agreement For Federal Agencies Under the Rider ERG* (ERG Interconnection Agreement), and obtain necessary building permits from the City of Alameda.

The interconnection application fee(s) under Rider ERG shall be:

- \$330 for residential installations,
- \$660 for commercial and multi-family installations up to 50 kilowatts (kW), and
- \$1,100 for installations greater than 50 kW

Changes to System

A Customer-Owner must notify AMP at least 60 days prior to any change in ownership of a system or system relocation. AMP will conduct a mandatory site inspection upon reinstallation. Additionally, a system relocation or change in capacity requires new building permits from the City of Alameda. Both a change in ownership and system relocation will require that a new ERG Interconnection Agreement be signed and proof of insurance must be provided.



Eligible Renewable Generation Application

Date	Sequential Steps	Notes
_____	1. Energy audit (OPTIONAL)	Call AMP at (510) 748-3900 to schedule a free energy audit.
_____	2. Application	<p>Submit (via mail or email) the following to AMP’s Customer Resources Department:</p> <ul style="list-style-type: none"> • Eligible Renewable Generation Application Form • For Rider ERG customer-generators only: check payable to Alameda Municipal Power for the appropriate Interconnection Application Fee • 2 signed copies of ERG Interconnection Agreement • Declarations Page(s) of customer’s insurance policy • Contract w/installer/system owner/retailer, if applicable • System drawing • Copy of system warranty (solar) • Shading analysis (solar) • EPBB calculation for Design Factor (Solar) <p>AMP will review the application to insure the system meets our criteria for interconnection. AMP will send an email or letter confirming receipt of all required documents.</p>
_____	3. Building permit	<p>Obtain building permit at the Permit Center in City Hall, located in Room 190 within the Community Development Department. For more information, please call 510-747-6800. To check status of the permit application, go to the <i>ePermit</i> Portal: http://alamedaca.gov/epermit-portal.</p>
_____	4. Electrical inspection	<p>Upon completion of system installation, call Permit Center at (510) 747-6830 to schedule final electrical inspection.</p>
_____	5. Interconnection	<p>Upon receiving final Electrical approval from the Building Department, call AMP’s Electrical Maintenance Group at (510) 748-3981 to schedule a system interconnection.</p>

PLEASE CONTACT 510-814-6414 OR 510-748-3954 WITH QUESTIONS



Eligible Renewable Generation Application

- 1. AMP Customer Information:** Provide the required customer information, including street address where the system will be installed and AMP account number for existing customers.
- 2. Installer Information:** Provide required installer information, including California license class (e.g. C-10, electrical or C-46, solar), and license number. A minimum 10-year warranty is required for all PV systems. PV Installers must be registered with the California Energy Commission (CEC) (list of registered installers available at www.gosolarcalifornia.ca.gov/database/search-new.php).
- 3. System Owner Information:** Provide system owner information if different from AMP customer.
- 4. Generating System:** It may be useful for the customer to review the general discussion of PV system specifications and installation guidelines at: www.energy.ca.gov/reports/2001-09-04_500-01-020.PDF.
 - a. PV Modules:** Enter the manufacturer's name, model number, watts per module as reported by the CEC, and quantity of photovoltaic modules in the system. The CEC maintains a list of **eligible modules** and their "PVUSA Test Conditions" (PTC) ratings on its website at www.gosolarcalifornia.ca.gov/equipment/pv_modules.php.
 - b. Inverters:** Enter the manufacturer's name, model number, and efficiency (as reported by the CEC) of the inverter(s) in the system. The CEC maintains a list of **eligible inverters** and their efficiency ratings at www.gosolarcalifornia.ca.gov/equipment/inverters.php. Check the appropriate box based on whether or not the inverter has a built-in performance meter.
 - c.** For solar PV systems, multiply the PTC watts per module, quantity of modules, and inverter efficiency to calculate the total AC system capacity. Fill out the orientation and incline angles for the installation. Enter estimated energy production in kilowatt-hours from the California Solar Initiative's Expected Performance Based Buydown (EPBB), available at www.csi-epbb.com/default.aspx. Enter PG&E for the utility and monthly shading derate factors to calculate the Design Factor.
- 5. For other forms of generation other than solar:** Fill out the rated kilowatts and estimated annual kilowatthour (kWh) generation.
- 6. Installed System Cost:** Enter total cost of the system, including equipment and installation.
- 7. Required Attachments:** In addition to the completed application form and check payable to Alameda Municipal Power for the appropriate Interconnection Application Fee, submit the following documents:
 - a. Copy of all contracts between customer and installer, system owner, and/or retailer
 - b. Declaration Page(s) of customer's homeowner or business liability insurance policy coverage
 - c. 2 original signed copies of the ERG Interconnection Agreement (with check if Rider ERG customer)
 - d. System drawing to be submitted with city building permit application
 - e. Copy of installer warranty (Solar)
 - f. Shading analysis (e.g. www.solarpathfinder.com or site photos depicting no shading) (Solar)
 - g. EPBB calculation for Design Factor (Solar)
- 8. Billing Option:** Select whether billing is under the ERG Rider.



Eligible Renewable Generation Application

1. AMP Customer (Physical Site of Installation) Residential Commercial Municipal

Name on AMP Account _____ AMP Account # _____
Service Address _____ Alameda, CA 9450__
Email _____ Phone _____ Fax _____

2. Installer Information

Company Name _____ Contact Name _____
Address _____
Phone _____ Fax _____ Email _____
Contractor Class _____ License # _____ Expires _____
Installer Warranty 10-year Other _____

3. System Owner Information (if different from AMP Customer above, i.e., leased system)

Company Name _____ Contact Name _____
Address _____
Phone _____ Fax _____ Email _____

4a. PV System (see www.gosolarcalifornia.org/equipment/index.html)

Module Manufacturer	Module Model #	CEC Watts/Module	Quantity
_____	_____	_____	_____
Inverter Manufacturer	Inverter Model #	Efficiency	Quantity
_____	_____	_____	_____

Inverter includes performance meter? Yes No

4b. PV System Rated Capacity and Energy Production

CEC Watts/Module x Quantity of Modules x Inverter Efficiency = System Rated Capacity
 _____ x _____ x _____ = _____ Watts AC
 Orientation (between 90°E and 270°W) _____° Tilt/Incline (0° to 60°) _____°

5. Non-PV System

Manufacturer	Module Model #	No. of Generators	Total kW	Estimated kWh
_____	_____	_____	_____	_____

6. Installed System Cost

Total cost of system \$ _____



7. Attachments (required)

- Contract with Installer/System Owner/Retailer System drawing from City building permit
- 2 signed copies of ERG Interconnection Agreement Declarations Page(s) of customer's insurance
- Shading Analysis for Solar Copy of Installer Warranty for Solar EPBB Calculation for Solar

8. Final Generating System Specifications (Upon Completion)

If the system components change between the approval of the *Eligible Renewable Generation Application Form* and the interconnection of the system, a new *Eligible Renewable Generation Application Form* must be completed with the final installed components, signed, and returned to AMP.

Check if this is a revised final application.

9. ERG Application

An Eligible Customer may elect to be served under Rider ERG by selecting the option box for the ERG Rider.

Check if the Eligible Facility selects billing under the ERG Rider.

AGREEMENT

Each of the Undersigned declares under penalty of perjury that:

- 1) Information provided in this form is true and correct to the best of my knowledge;
- 2) Customer's intent is to operate the system at the listed site of installation for its useful life.

AMP Customer (Signature): _____ Date: _____

System Owner (Signature): _____ Date: _____
(If different from Customer)

Please email, mail or deliver your *Eligible Renewable Generation Application Form* & attachments to AMP's Customer Resources Department:

Email

Residential: kelly@alamedamp.com
Commercial: mark@alamedamp.com

Delivery or Mail

Alameda Municipal Power
Renewable Generation Program
2000 Grand Street
P.O. Box H
Alameda, CA 94501