

San Miguel Power Association, Inc.
Net Metering Application and Compliance Form

A. Applicant Information

Name _____
Mailing Address _____
City: _____ State _____ Zip Code _____
Service Address _____
Daytime Phone _____ Fax: _____

B. System Information

System Location _____
System Type _____ Photovoltaic _____ Wind _____ Hydro Electric _____ Other _____
Nameplate Capacity _____ kW Terminal Voltage _____ Phase (Single, 3-ph) _____
A copy of Manufacturer Technical Specifications must be attached.
Inverter Manufacturer _____ Inverter Model _____
Inverter Serial Number _____ Inverter Power Rating _____
Inverter Location: Indoor – Outdoor

C. Installation Contractor Information

Installation Contractor _____ Contractor License No _____
Mailing Address _____
City _____ State _____ Zip Code _____
Daytime Phone _____ Fax _____
Installation Date _____

(To be completed by SMPA)

Map Location _____ Account # _____

D. Hardware and Installation Compliance

The system hardware is in compliance with *Underwriters Laboratories (UL) 1741, Standard for Static Inverters and Charge Controllers for Use in Photovoltaic Systems; UL 1703, Standard for Safety; Flat-Plate Photovoltaic Modules and Panels; and IEEE 1262-1995, IEEE Recommended Practice for Qualification of Photovoltaic (PV) modules.*
The system has been installed in compliance with *IEEE Standard 929-2000, Recommended Practice for Utility Interface of Photovoltaic Systems* and with applicable requirements of local electrical codes and the *National Electrical Code® (NEC)*.

This installation has been approved by the Colorado State Electrical Inspector.

Signed (Contractor): _____ Date: _____
Name (Print): _____ Company: _____

E. Renewable Energy Credits

Applicant/Customer hereby agrees to assign all Renewable Energy Credits (RECs) produced from the installation covered under this agreement to San Miguel Power Association for a period of ten (10) years from the Utility Approval date indicated below (G.). Applicant/Customer represents they will not claim the RECs produced under this agreement for any purpose and shall not allow any other entity to claim said RECs.

F. Owner Acknowledgement

Applicant/Customer hereby covenants and agrees to assume all risk of and liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the System. Applicant/Customer hereby covenants and agrees to indemnify, protect, defend and save harmless SMPA, its affiliates, officers, directors, employees and agents from and against any and all claims and demands for damages to property and injury or death to persons which may arise out of, or be related to, or caused by, the operation of the System or its interconnection to the SMPA electrical system, except if caused solely by the gross negligence or willful misconduct of SMPA as determined by a court of law.

I, the undersigned, have completed the Application for Interconnection, which accurately describes the equipment to be interconnected and operated in parallel with the Cooperative's distribution system. I have read and understand the Association's Net Metering Service Requirements and understand that approval of this Application is dependant on compliance with these requirements and the accuracy of the information as included in this Application.

Signed (Owner): _____

Date: _____

G. Utility Approval

The system referenced above is approved for SMPA's Net Metering program.

Utility Representative: _____

Name (Print): _____

Date: _____

San Miguel Power Association, Inc.
Net Metering Service Requirements

In order to qualify for a net metering rate as a customer-generator of SMPA, the following safety and performance requirements are mandatory for interconnection.

1. Application and Compliance Form The SMPA interconnection application and compliance form must be completed, returned to SMPA and approved by SMPA.
2. Maximum Capacity A customer-generator must have a rated capacity of 10 kW or less for residential installations or 25 kW or less for commercial installations to qualify for Net Metering.
3. Safety and Performance Standards SMPA requires that a generating system used by a customer-generator meet all applicable safety and performance standards established by the National Electric Code (NEC), the Institute of Electrical and Electronics Engineers (IEEE), Underwriters Laboratory (UL), the National Electric Safety Code (NESC) and any other applicable regulations or standards.
4. Photovoltaic and Inverters When an inverter is used the customer-generator will use a “non-islanding” inverter that is listed with and in compliance with Underwriters Laboratory (UL) 1741 Standard. Photovoltaic systems must be installed in compliance with IEEE Standard 929-2000 and in compliance with the relevant NEC articles for Solar Photovoltaic Systems. An approved State inspection of the new service and/or PV system is required before SMPA will allow interconnection of the system.
5. Liability Insurance The customer-generator shall carry no less than three hundred thousand dollars (\$300,000) of liability insurance that provides for coverage of all risk liability for personal injuries (including death) and damage to property arising out of or caused by the customer-generators system. Insurance may be in the form of an existing insurance policy or an endorsement on an existing insurance policy
6. Interconnection Costs The Consumer shall reimburse the Association for costs resulting from interconnecting with the customer-generator. The interconnection cost shall include all costs of connection, switching, metering, transmission, distribution, safety provisions and administrative costs incurred by the Association directly related to the installation and maintenance of the physical facilities necessary to permit interconnected operations with the customer generator.
7. Interconnection is permitted only after all of the requirements of the Association are met, and only after written approval of the Application and Compliance form by the Association. This authorization cannot be issued until all interconnection costs are paid, and does not relieve the Consumer from the responsibility of installing, operating and maintaining the facilities in a responsible and safe manner. If in the opinion of the Association, the Consumer fails to meet the requirements of the Association including subsequent operation of the generating facilities in a non-qualifying manner, the Association will no longer be obligated to operate in parallel and purchase any capacity and energy made available and may notify the Consumer to disconnect the generating facilities from the Association's system. In the event the Consumer fails to immediately comply with a disconnect notice, the Association reserves the right to make such disconnection including the termination of electric service if necessary.
8. Association Access Employees and authorized representatives of the Association have the right to enter the Consumer's property at any reasonable time to insure continued compliance with the Association's safety and operating standards and the accuracy of its meters. Such inspection by the Association shall not relieve the Consumer from the responsibility of installing, operating and maintaining the facilities in a responsible and safe manner.

9. Disconnect Requirements In order to provide adequate safety to the Association's employees when performing certain operation and maintenance on the Association's system, the following two requirements will be met:
 - a. The customer generator shall be designed and operated to automatically disconnect or shut down during scheduled or unscheduled outages to insure that it will not back feed on to any part of the Association's distribution system.
 - b. That a means be available to positively disconnect the customer generator from the system such that there is no possibility that the generator could back feed through the service transformer and energize the primary system. This requirement shall be met with a Consumer furnished and installed Underwriter's Laboratory (UL) listed manual disconnect switch which shall be located between the Consumer's customer-generator and the Association's system. The location of the switch shall meet all code requirements and be approved by the Association and shall be housed in an approved enclosure which can be secured with a padlock or locking device.
10. Emergency Isolation of Qualifying Facility The Association reserves the right to open the disconnect switch (i.e., isolating the customer-generator) without prior notice for any of the following reasons:
 - a. System emergency and/or maintenance operations require such action.
 - b. A potentially hazardous condition relating to the customer-generator is discovered.
11. Normal Isolation of Qualifying Facility
Upon 24 hours notice by the Association, the customer agrees to disconnect the Facility from the Association's system for maintenance, or normal operations.
12. Single-Phase Limitations The rated capacity of the customer-generator to be connected in parallel with a low voltage service shall be no greater than 10 kW for single-phase installations unless, in the sole determination of the Association, a larger single-phase installation is acceptable.
13. Quality of Service Operation of the customer-generator must not cause any reduction in the quality of service to other consumers nor interfere with the operation of the Association's system. The Consumer shall be responsible for taking whatever corrective action may be required and/or reimbursing the Association for the cost of corrective action which it deems necessary to restore service to prescribed limits.
14. Electrical Characteristics The electrical characteristics of the customer-generator shall conform with standards established by the Association. The standards include voltage, current, frequency, harmonics, and automatic synchronization, etc. Wherever possible the Association will base its standards on industry wide standards.
15. Power Factor The Consumer shall endeavor to operate the customer-generator as near unity power factor as possible. For customer-generators with rated capacity above 10 kW, the Association reserves the right to require the Consumer to install power factor correction equipment or reimburse the Association for its cost of installing power factor correction equipment.
16. Metering The Association will meter the customer-generator to obtain billing data as well as the energy purchased by the Consumer and sold by the Consumer to the Association. The metering installation will be determined by the Association as appropriate for the Net Metering Rate Schedule and the associated Electric Service Rate Schedule. Those costs associated with metering of the customer-generator may be required to be paid by the Consumer.