



Terms and Conditions Agreement for Net Energy Metering Solar or Wind Electric Generating Facilities

APP ID: _____

I THE CUSTOMER, UNDERSTAND AND AGREE TO THE FOLLOWING TERMS AND CONDITIONS:

Permission to Interconnect

Customers must not operate their Generating Facility in parallel with SDG&E's Distribution System until they receive written authorization for Parallel Operation from SDG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Customer may be liable.

Safe Operation of your Generating Facility

Notwithstanding any other provision of this Agreement, if at any time SDG&E determines that either (a) the Customer's Facility, or its operation, may endanger SDG&E personnel, or (b) the continued operation of the Customer's Facility may endanger the safe and reliable operation of SDG&E's electrical system, SDG&E shall have the right to disconnect the Facility from SDG&E's system. Customer's Facility shall remain disconnected until such time as SDG&E is satisfied that the unsafe condition(s) have been corrected.

Meter Access

Your meter must be installed in a safe SDG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter access must be maintained at all times for meter reading and system maintenance. Any animals owned by the customer, including pet dogs, should not have access to these areas to avoid hindering SDG&E service personnel, preventing them from completing their work. If your self-contained meter is being utilized in lieu of an AC disconnect switch, the meter must be accessible at all times and cannot be located within a residence or garage.

Document and Fee Requirements

Other Documents and/or Fees *may* be required and there may be requirements for interconnection in addition to the below list, depending on the specifics of the planned Generating Facility. Other approvals and/or other agreements may be needed for special SDG&E programs or regulatory agency requirements.

Stale Agreements

If this agreement is still pending **two years from its date of submittal** and customer has not met all of the requirements, SDG&E will close this application and Customer will be required to submit a new application should Customer wish to take service on Schedule NEM.



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A. Agreement Package

These documents are needed to ensure safe and reliable operation of SDG&E's Distribution System and to confirm that Customer's interconnection has been performed in accordance with SDG&E's tariffs. **To insure prompt attention and authorization of your project and to avoid any delays, we would like to receive your complete packages two (2) weeks or more before city or county electrical inspection is released.** As SDG&E receives the documentation described in Sections (1) through (5) of the Application and Interconnection Agreement for Customers with Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Form 142-02765), SDG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Agreement**. **Please note:** the Customer name (as identified in Part I, Section C of the Application and Interconnection Agreement for Customers with Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Form 142-02765)) must be the same name as on the SDG&E bill. In this Agreement, Customer will confirm their otherwise-applicable rate schedule (OAS), establishing how Customer's monthly usage or net generation will be charged/credited. Customer-initiated rate changes are governed in accordance with SDG&E's Electric Rule 12.
2. A **single-line diagram** showing Customer's actual installation of his/her Generating Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all wind and/or photovoltaic generators, circuit breakers and other protective devices of the Generating Facility, the general location of the Customer's loads relative to the Generating Facility, and the interconnection with SDG&E's Distribution System. The diagram must include the following information:
 - a. A description and location of the visible, lockable **AC disconnect switch** if present.

Effective January 01, 2010, customers installing inverter-based systems will no longer be required to include an AC disconnect switch when the facility has a self-contained electric revenue meter (i.e., 0-320 amp socket-based meters or 400 amp K-based meters). This type of meter is used by the vast majority of all SDG&E customers.

To accommodate this change while maintaining utility operating safety needs, the revenue meter, when appropriate, may be temporarily removed by SDG&E to isolate the customer's inverter from the electric distribution system. Removal of the revenue meter (due to an emergency or maintenance on SDG&E's system) will result in loss of electrical service to the customer's facility or residence for the duration of time that work is actively in progress.



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SDG&E *recommends* that customers installing an inverter-based generator consider also installing an AC disconnect switch to facilitate maintenance of the customer's equipment (i.e. inverter, PV arrays, etc) without the need for interrupting service to the customer. The AC disconnect switch provides the additional benefit of allowing SDG&E to isolate the customer's generator from the utility's Distribution System without having to interrupt service to the customer's facility or residence but for customers with 30 kW or smaller generating facilities, the switch is optional.

SDG&E's AC disconnect requirement for Distributed Energy Resources (Distributed Generation) will continue to apply to:

- Inverter-based interconnections having a transformer-rated meter (i.e., all meter panels or switchboards employing the use of potential and current transformers).
 - Non-inverter based generators, including rotating or machine-based generators – regardless if the service meter configuration is transformer-rated or self-contained.
- b. A description of the specific **inverter(s)** used to control the interconnection between SDG&E and the Generating Facility, including rating, brand name, and model number. CEC-certified inverters[1] will pass the requirements for Simplified Interconnection per SDG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.
- c. A complete description of the **generating equipment that the Customer plans to install**. If the Generating Facility includes photovoltaic panels, the description must include the manufacturer name, model number, number of panels, and the nameplate rating. If the Generating Facility includes a wind turbine, the description must include the manufacturer name, model number, number of turbines, and the nameplate rating. Only CEC-certified inverters and certified wind-turbine generators without separate inverters will pass the requirements for Simplified Interconnection. (See the SDG&E website <http://www.sdge.com/business/netMetering.shtml> or the CEC website at: www.gosolarcalifornia.org/equipment).
- d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker**. The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.
- e. If such metering is required, a complete description of the **performance (generation output) meter and related equipment**. The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers). If instrument transformers are required, the description should include this information.



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3. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule-NEM Generating Facility location.

Customer shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters

Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. A Customer with a solar or wind-turbine electrical generating system, or a hybrid system of both, that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

To the extent that Customer has currently in force property insurance and commercial general liability or personal liability insurance, Customer agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. San Diego Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Customer meets the requirements of this section, Customer shall not be required to purchase any additional liability insurance.

Rates

SDG&E rates and rate design, including the rates and rate design reflected in this Tariff, are subject to change in conjunction with changes to the utility revenue requirement and changes to the utility rate design.

Customer of Record's Full Name _____

Signature _____ Date _____