



SOLAR ENERGY PROGRAM RESIDENTIAL DISTRIBUTION INTERCONNECTION AGREEMENT

Name of Owner(s) ("Owner"): Name & Spouse Name

Billing Account #: XXX-XXX-XXX

Location #: Location #

Service Address: Address

Phone: XXX-XXX-XXXX (home)

Mailing Address: Same as above OR Mailing address.

Phone: XXX-XXX-XXXX (work)

Type of Generating Facility: Photovoltaic System – Manufacturer

Maximum Generating Capacity: ____kW

Point of Interconnection: Service Entrance (see One-Line Drawing of Points of Delivery to Owner and Point of Separation of Owner's Generator attached as Exhibit A and included as part of this Agreement)

Electrical Characteristics at the Point of Interconnection: 120 volts, 60 hertz, single-phase

Buyback service: Yes No

Point of Buyback: At the meter.

This SRP EarthWise Solar Energy Program Residential Distribution Interconnection Agreement ("Agreement") is entered into by and between Owner and Salt River Project Agricultural Improvement and Power District, an agricultural improvement district organized and existing pursuant to the laws of the State of Arizona ("SRP"). Owner and SRP are sometimes referred to in this Agreement as a "Party" and collectively as the "Parties". The Parties agree as follows:

RECITALS

- A. Owner desires to install a generating facility and related equipment ("Generating Facility") on residential property located within SRP's electrical distribution service area and to participate in SRP's EarthWise Solar Energy Program.
- B. SRP requires that all customers operating Generating Facilities in parallel with SRP's electrical distribution system sign a Distribution Interconnection Agreement prior to interconnection.

In consideration of the Parties' mutual promises, undertakings, and agreements, the Parties agree as follows:

AGREEMENT

1. **Term.** This Agreement shall become effective as of the Effective Date, which is based on the signing date. Except as otherwise provided below, it shall continue in effect from year to year until either Party gives the other Party sixty (60) days written notice of its intent to terminate the Agreement.
2. **Sale of Property - Notice to Subsequent Purchaser.** If Owner intends to sell the property upon which the Generating Facility is located, prior to the closing, Owner will notify the prospective purchaser of the following:
 - a. As a condition of receiving electric service from SRP, and in order to interconnect with the SRP electrical distribution system and to receive any buyback service benefits, the new owner must sign SRP's then-current version of Residential Distribution Interconnection Agreement; and

- b. SRP is the owner of all Environmental Attributes (defined below in Section 8) associated with the Generating Facility.
3. **Owner's General Obligations.** Owner, and not SRP, shall be responsible for the following at its own expense:
- a. Owner shall submit the plans for design and installation of the Generating Facility to SRP for review of the compatibility of the Generating Facility with the operation, reliability, integrity and safety of the SRP electrical distribution system and personnel.
 - b. Owner shall fully comply with SRP's Rules and Regulations, Electric Service Specifications, Interconnection Guidelines for Distributed Generators, Technical Interconnection Requirements, and applicable Standard Electric Price Plans and Riders, as those documents may be amended or revised by SRP from time-to-time. All those documents are adopted and included as part of this Agreement and are available at the principal office of SRP, as well as at SRP's website, www.srpnet.com. The current version of the Technical Interconnection Requirements is attached as Exhibit B.
 - c. Owner shall be solely responsible for all legal and financial obligations arising from design, construction, installation, operation, maintenance and ownership of the Generating Facility.
 - d. Owner must obtain all permits, inspections and approvals required by applicable jurisdictions with respect to the Generating Facility and must use a licensed, bonded and insured contractor to design and install the Generating Facility. Unless otherwise approved in writing by SRP, Owner shall install only Underwriters Laboratories Inc. certified equipment and devices as part of the Generating Facility.
 - e. Owner shall operate and maintain the Generating Facility and all other Owner-owned Generating Facility equipment on the Owner's side of the Interconnection Point in good repair and be solely responsible for protection of the Generating Facility from electrical events originating on either side of the Point of Interconnection.
4. **SRP General Obligations.** SRP, and not Owner, shall be responsible for the following at its own expense:
- a. SRP shall witness testing of the Generating Facility and Owner's electrical system and confirm in writing that test results are satisfactory before Owner shall be permitted to operate the Generating Facility in parallel with the SRP electrical distribution system. SRP'S WITNESS TESTING AND REVIEW OF OWNER'S PLANS, SPECIFICATIONS, DESIGNS, AND TEST RESULTS SHALL NOT BE CONSTRUED AS CONFIRMING OR ENDORSING THE DESIGN OF, OR AS ANY WARRANTY OF SAFETY, DURABILITY OR RELIABILITY OF, THE GENERATING FACILITY, OWNER'S EQUIPMENT OR PROTECTIVE DEVICES, OR THE TECHNICAL OR ECONOMIC FEASIBILITY OF THE GENERATING FACILITY. THE SOLE PURPOSE OF SRP'S REVIEW IS TO EVALUATE WHETHER SRP'S ELECTRICAL DISTRIBUTION SYSTEM WILL BE ADVERSELY AFFECTED BY THE GENERATING FACILITY. OWNER SHALL NOT COMMENCE PARALLEL OPERATION OF THE GENERATING FACILITY UNTIL OWNER RECEIVES FINAL WRITTEN APPROVAL FROM SRP.
 - b. SRP shall pay for energy delivered to it in accordance with any applicable buyback service rider or applicable successor pricing document for which Owner may be eligible.
5. **SRP Right of Access and Inspection of Documents and Generating Facility.**
- a. SRP reserves the right in its sole and absolute discretion to review all information, specifications, designs, and test results relating to the Generating Facility. SRP may require modifications to the Owner's specifications and designs based on current industry standards to enable SRP to operate its electrical distribution system as safely and reliably as possible.
 - b. Owner hereby grants SRP's employees and agents the right of access to the premises of Owner at all times for emergency operation or repair of SRP's equipment and related facilities, and at all other reasonable times for such purposes as installing, constructing, modifying, testing and maintaining SRP's equipment and related facilities. SRP reserves the right to inspect the Generating Facility at any time, in its sole and absolute discretion, upon reasonable notice (if practical) to Owner. If SRP has reason to believe that Owner may be operating in a manner unsafe or harmful to SRP's electrical distribution system, personnel or the general public, SRP may also request that Owner test the Generating Facility and provide SRP the results in writing irrespective of periodic testing of equipment that may be required or has been completed pursuant to Exhibit B.

6. **SRP Right to Require Owner to Disconnect Generating Facility from SRP Electrical Distribution System.** SRP shall not be obligated to be interconnected with Owner's Generating Facility nor to accept energy from Owner, and SRP, in its sole and absolute discretion, may require Owner to disconnect from the SRP electrical distribution system or interrupt or reduce deliveries of energy to SRP: (a) when necessary to investigate, inspect, construct, install, maintain, repair, replace or remove any SRP equipment, any part of SRP's electrical distribution system, or Owner's Generating Facility; (b) because of emergencies, forced outages, uncontrollable forces or compliance with prudent electrical practice; or (c) when Owner is in breach of any of its obligations under this Agreement.
7. **SRP Right to Disconnect Generating Facility from SRP Electrical Distribution System.** Notwithstanding any other provision of this Agreement, if SRP, in its sole and absolute discretion, determines that continued operation of the Generating Facility may (a) endanger SRP personnel or the general public or (b) impair the integrity of the SRP electrical distribution system, SRP may disconnect Owner's Generating Facility from the SRP electrical distribution system. In such event, Owner's Generating Facility shall remain disconnected until SRP is satisfied that the preceding conditions (a) and/or (b) have/has been corrected. SRP shall have no obligation to compensate Owner for any loss of energy during any and all periods when Owner's Generating Facility is operating at reduced capacity or is disconnected from the SRP electrical distribution system pursuant to this Agreement.
8. **Sale of Environmental Attributes.** In exchange for the EarthWise Solar Energy Payment SRP has reserved for and will pay to Owner after interconnection, Owner hereby sells, transfers and delivers to SRP all Environmental Attributes and Environmental Attribute Reporting Rights, as such terms are defined below, associated with the generation of energy by the Generating Facility during the operating life of the Generating Facility. This provision shall survive the termination of this Agreement and any subsequent sale(s) of the Generating Facility. "Environmental Attributes" shall mean any and all fuel, emissions, air quality, or other environmental characteristics, including green energy tags, renewable energy credits, or certificates attributable to the metered output generated by the Generating Facility during the operating life of the Generating Facility and in which Owner has property rights or will have property rights upon such attributes coming into existence. "Environmental Attributes Reporting Rights" shall mean all rights to report ownership of the Environmental Attributes to any person or entity under Section 1605(b) of the Energy Policy Act of 1992, any successor or replacement statutes, or otherwise.
9. **Owner Indemnification.** To the fullest extent permitted by law, Owner shall indemnify, defend and hold harmless SRP, any and all of the members of its governing bodies, and its officers, agents, and employees ("SRP Indemnifieds") for, from and against any and all claims, demands, suits, costs of defense, attorneys' fees, witness fees of any type, losses, damages, expenses, and liabilities, whether direct, indirect or consequential, related to, arising from, or in any way connected with: (a) Owner's or any non-SRP party's design, construction, installation, inspection, maintenance, testing or operation of Owner's Generating Facility or equipment used in connection with this Agreement; (b) the interconnection of Owner's Generating Facility with, and delivery of energy from the Generating Facility to, SRP's electrical distribution system; or (c) the performance or nonperformance of Owner's obligations under this Agreement. Owner's obligations under this Section shall extend to indemnify, defend, and hold harmless the SRP Indemnifieds when SRP or any of the SRP Indemnifieds are allegedly concurrently negligent in causing or contributing to the liability-causing event, but shall not extend to any liability caused by the sole negligence of SRP or the SRP Indemnifieds. It is the intent of SRP and Owner that SRP shall, in all instances except for loss or damage resulting from the sole negligence of SRP, be indemnified against all liability, loss, or damage of any nature whatsoever for or on account of any injuries or death of person(s) or damages to or destruction of property belonging to any person, arising out of, or in any way connected with, either Party's performance of this Agreement. Owner shall be responsible for primary loss investigation, defense, and judgment costs when this contract of indemnity applies. Owner's obligations under this Section shall survive the termination of this Agreement.
10. **Taxes.** Owner shall reimburse SRP for all federal, state, county and local excise, sales, transaction privilege, gross receipts, gross income or other similar taxes (but not net income or payroll taxes) imposed by federal, state, county, or other local authority upon any charges, fees or other payments referred to in this Agreement and payable to SRP.
11. **General Terms and Conditions.** This Agreement shall be interpreted, governed by, and construed in accordance with the substantive and procedural laws of the State of Arizona, without regard to conflicts of law principles. SRP and Owner agree that any action, suit, or proceeding arising out of or relating to this Agreement shall be initiated and prosecuted in a state or federal court of competent jurisdiction located in Maricopa County, Arizona,

and the Parties irrevocably submit to the jurisdiction and venue of such court. To the fullest extent permitted by law, each Party hereby irrevocably waives any and all rights to a trial by jury and covenants and agrees that it will not request a trial by jury with respect to any legal proceeding arising out of or relating to this Agreement. None of the provisions of this Agreement shall be considered waived by either Party except when such waiver is given in writing. No waiver by either Party of any one or more defaults in the performance of the provisions of this Agreement shall operate or be construed as a waiver of any other existing or future default or defaults. If any one or more of the provisions of this Agreement or the applicability of any provision to a specific situation is held invalid or unenforceable, the provision shall be modified to the minimum extent necessary to make it or its application valid and enforceable, and the validity and enforceability of all other provisions of this Agreement and all other applications of such provisions shall not be affected by any such invalidity or unenforceability. Upon its Effective Date, this Agreement supersedes all prior agreements or commitments for interconnection and/or buyback service between the Parties for the interconnection and delivery points herein specified. This Agreement does not govern the terms and conditions for the delivery of power and energy to Owner from the SRP electrical distribution system.

12. This Agreement is dated and effective as of the last signing date below ("Effective Date").

"OWNER":

"SRP":

By: _____
Signature

By: _____
Margaret E. Baker
Manager, Commercial Customer Services

Name: _____ / Homeowner
Print Name

Date: _____

By: _____
Signature

Name: _____ / Homeowner
Print Name

Date: _____

SAMPLE
INFORMATION
ONLY

Exhibit A

ONE-LINE DRAWING OF POINTS OF DELIVERY TO OWNER
AND POINT OF SEPARATION FROM OWNER'S GENERATOR

**SAMPLE
INFORMATION
ONLY**

Exhibit B

TECHNICAL INTERCONNECTION REQUIREMENTS

SRP or Owner may from time to time require changes in Owner's connection, protective, or control equipment to meet changing conditions and requirements for Owner's Generating Facility or SRP's electrical distribution system.

1. GENERAL OBLIGATIONS:

- 1.1 Owner shall ensure that the electrical characteristics of its load and generating equipment shall conform to SRP's normal power quality requirements. Any deviation from sine wave form or unusual interval fluctuations in power demand or production shall not result in impairment of electrical service to others. Power factor and quality issues are defined in SRP's Electric Service Specifications and Rules and Regulations.
- 1.2 Owner shall design, own, operate and maintain the Generating Facility in good repair in accordance with manufacturers' guidelines and prudent electrical practices, and shall provide written evidence to SRP of such compliance upon request of SRP.
- 1.3 The Generating Facility at this installation must be off line before the SRP electric service is restored (reclosed) following a trip of the SRP feeder breaker.
- 1.4 Relaying and protection requirements stated herein shall take into consideration whether Owner has more than one generator, and whether such generator(s) can be switched by Owner among multiple Interconnection Points.

2. OWNER EQUIPMENT REQUIREMENTS:

Although Owner's Generating Facility is equipped with its own protective and control circuitry, additional protective equipment (as outlined below) is required to permit parallel operation. Also, SRP may specify other equipment requirements in the future depending on the effects operation of the Generating Facility will have on the SRP electrical distribution system.

2.1 LOAD-BREAK DISCONNECT:

Owner shall install a load-break disconnect device with a visible break for use by SRP as a means of electrically isolating the SRP electrical distribution system from the Generating Facility and to establish working clearance for maintenance and repair work in accordance with SRP safety rules and practices, subject to the following requirements:

- 2.1.1 The disconnect device or circuit breaker must be accessible at all times to SRP personnel. It cannot be located inside a gated yard or inside an enclosed space, and should be easily accessible.
- 2.1.2 The disconnect device or circuit breaker must be lockable only in the open position with a standard SRP padlock. Only SRP personnel shall remove this padlock. UNAUTHORIZED REMOVAL SHALL BE DEEMED A MATERIAL BREACH OF THE INTERCONNECTION AGREEMENT.
- 2.1.3 Owner is responsible for all labor and material costs to maintain, repair, or replace the disconnect device or circuit breaker.
- 2.1.4 The disconnect device or circuit breaker and its location must be approved by SRP prior to installation.
- 2.1.5 The disconnect device or circuit breaker may be opened at any time by SRP without notice
- 2.1.6 Owner shall label the disconnect switch with a red placard (and the standard shock hazard sticker) as shown below:

DISTRIBUTED GENERATION DISCONNECT SWITCH
WARNING – ELECTRICAL SHOCK HAZARD

DO NOT TOUCH TERMINALS –
TERMINALS ON BOTH THE LINE AND LOAD SIDES
MAY BE ENERGIZED IN THE OPEN POSITION

- 2.2 CIRCUIT BREAKER OR CONTACTOR: A circuit breaker or contactor at the interconnection point or at the generator must be used for isolating the Generating Facility from SRP during system over/under frequency, over/under voltage and ground fault conditions.
- 2.3 RELAYING:
 - 2.3.1 PROTECTIVE FUNCTIONS:

Protection functions for over voltage, under voltage, over frequency, under frequency, ground faults and islanding at the Interconnection Point, shall be provided by an undervoltage contactor. The contactor provided in the Owner’s inverter performs these functions. The inverter must be listed as meeting the requirements of UL 1741 and IEEE 929.
 - 2.3.2 GROUND FAULT PROTECTION:

Additional requirements for detecting ground faults in the SRP electrical distribution system will be evaluated on a per site basis.
 - 2.3.3 RELAY SETTINGS:

Relay settings and protection schemes specific to this installation, and any proposed modifications thereof, must be made available by the Owner to SRP’s System Protection division for review and final approval prior to their implementation.
- 2.4 SYSTEM METERING:
 - 2.4.1 Owner shall install a four-clip meter socket and associated wiring to allow measurement of energy production from the Generating Facility. The meter socket shall meet SRP’s Electric Service Specifications available at SRP’s website www.srpnet.com.
 - 2.4.2 The meter socket shall be located next to existing meter.
 - 2.4.3 SRP shall provide and install a four-clip mechanical meter to measure energy production from the Generating Facility.

SAMPLE INFORMATION ONLY