



EARTHWISE™ COMMERCIAL SOLAR WATER HEATER PROGRAM PROGRAM REQUIREMENTS

If you have any questions, please contact the SRP EarthWise™ Commercial Solar Water Heater Program at (602) 236-4664, or by e-mail at EarthWiseSolarBiz@srpnet.com.

SECTION I: GENERAL

1. Applicant ("Customer") must be an SRP account holder.
2. The solar water heating system (the "Solar System") must be installed in SRP's electric service territory.
3. Solar Systems installed before May 1, 2011, are not eligible for an EarthWise™ Solar Energy Incentive (the "Incentive").
4. SRP may reject any application that does not meet the requirements of the EarthWise™ Commercial Solar Water Heater Program (the "Program") or SRP's Rules and Regulations.

SECTION II: INCENTIVE

1. An annual spending cap is set for the Program.
2. SRP reserves the right to adjust the Incentive level and Program spending cap at any time.
3. SRP reserves the right to discontinue or suspend the Program or to modify the Program requirements at any time by posting a notice on the Program website.
4. SRP will reserve the Incentive after a completed application package is received by SRP as outlined in the EarthWise™ Commercial Solar Water Heater Checklist (the "Checklist").
5. If Customer's account with SRP has a past due balance, the Incentive amount payable to the Customer will be reduced by the past due amount plus any interest and fees. SRP will apply the withheld amount against the Customer's account and remit the balance of the Incentive to the applicable recipient.
6. Only the Customer can cancel the Incentive reservation.
7. Direct Forced Circulation systems (also known as open-loop systems) that utilize automatic freeze drain valves are not eligible to receive an Incentive.
8. The Solar System must be in new condition to receive an Incentive.
9. Drain back systems must allow for automatic drain-down of the plumbing and collector panel array. Solar Systems with drain-back systems that trap heat transfer fluid in the array or plumbing between the array and the storage vessel are not eligible for an Incentive.

Standard and pool Incentive payments:

10. Solar pool heating systems are only eligible to receive an Incentive if the pool is used year round as part of normal business operations and is heated by a fossil fuel or electric heating source at the time of installation of the Solar System. Unglazed poly-type panels used for pool heating are not eligible for the standard Incentive.
11. For the purpose of the Program, a location is considered an address or contiguous campus of buildings (the "Location").
12. For Customers and their affiliates with multiple Locations or multiple accounts at one Location, SRP will pay a separate Incentive for each Solar System, the sum total not to exceed the current maximum Incentive. Customer must apply separately for each Solar System Incentive. For the purposes of this Program, affiliate means, with respect to any Customer, each entity that directly or indirectly controls, is controlled by, or is under common control with such Customer. For purposes of this definition, "control", as used with respect to any Customer, shall mean (a) the direct or indirect right to cast at least 50% of the votes exercisable at an annual general meeting (or its equivalent) of such Customer or, if there are no such rights, ownership of at least 50% of the equity or other ownership interest in such Customer, or (b) the right to direct the policies or operations of such Customer.

13. The total Incentive shall not exceed 60% of the project cost.
14. Customer has 90 days from the date the Incentive is reserved to submit to SRP an Energy Savings and Designed Output Report (“ES&D”) as outlined in the Checklist. If the ES&D is not received by SRP prior to the 90-day deadline, Customer’s Incentive reservation will automatically expire. If Customer plans to continue with the project, Customer must submit a new application package and will be eligible for the then current Incentive, which may be lower than the original reserved Incentive.
15. The estimated Incentive will be calculated based on the projected annual Solar System production in British thermal units (“BTU”). SRP may revise the projected annual Solar System production contained in the Customer’s ES&D at its sole discretion.
16. Customer has 12 months from the date the Incentive is reserved for the Solar System to be installed and pass an SRP performance audit. After 12 months, Customer’s Incentive reservation will automatically expire. If Customer plans to continue with the project, Customer must submit a new application package and will be eligible for the then current Incentive, which may be lower than the original reserved Incentive.
17. SRP will pay 40% of the estimated Incentive after the Solar System passes an SRP performance audit all paperwork as outlined in the Checklist has been verified and all Program requirements have been met.
18. SRP will pay the remaining Incentive following a 12-month performance verification test. This Incentive payment will be calculated based on the results of the performance verification test and will be reduced to accommodate previous payments under Paragraph 16 above and total Incentive limitations as outlined in Paragraph 12 above.
19. Customer must notify SRP as provided above when the Solar System is non-functional for more than three weeks during the performance verification test. Such notice must specify the date the Solar System stopped working and the date the Solar System will be placed back in service. It is the Customer’s responsibility to arrange for an SRP representative to take meter readings when the Solar System is non-functional and when it is placed back in service. The performance verification test may be extended to achieve 12 full operating months of metered data up to 18 months after the initial meter reading. Failure to give notification to SRP when the Solar System is non-functional for more than three weeks during the performance verification test may result in a reduced Incentive.

OG-300 Incentive payments:

20. The maximum amount of the Incentive is as specified on the Program website. The actual Incentive is prorated for performance as specified in Paragraph 21 below.
21. The Incentive will be calculated based on the OG-300 rating at the time the application package is received by SRP.
22. The Incentive will be prorated as outlined below. For the purposes of this requirement, tilt is defined as the angle in degrees to which the solar collector panels are tilted from a horizontal placement. Azimuth is defined as the horizontal distance the solar collector panels are facing from due north in a clockwise direction measured in degrees (for example, panels facing due south would have an azimuth of 180 degrees).

Azimuth	Tilt	Incentive
0°-89°	Greater than 0°	0%
90°-149°	0°-33°	80%
150°-210°	0°-17°	80%
150°-210°	18°-48°	100%
150°-210°	49°-75°	80%
211°-270°	0°-33°	80%
271°-360°	Greater than 0°	0%

23. Customer has six months from the date the Incentive is reserved for the Solar System to be installed and pass an SRP performance audit. After six months, Customer’s Incentive reservation will automatically expire. If Customer plans to continue with the project, Customer must submit a new application package and will be eligible for the then current Incentive, which may be lower than the original reserved Incentive.
24. SRP will pay the Incentive after the Solar System passes an SRP performance audit, all paperwork as outlined in the Checklist has been verified and all Program requirements have been met.

SECTION III: INSTALLATION AND EQUIPMENT

1. Customer must use a properly Arizona licensed installer to qualify for this program. Eligible license classifications for installers include: A-19, K-74, K-77, K-78, KA-06, L-74, L-77, L-78, or other license approved by SRP.
2. SRP shall not be responsible for any damages or other problems resulting from installation or operation of the Solar System.
3. Solar Systems must be permitted and inspected as required by applicable law. If no permit or inspection for installation of or modification to a Solar System is required, then the Customer and installer must sign an SRP-provided Certificate In-Lieu of Plumbing Clearance for Solar Thermal Projects.
4. All Solar Systems must comply with applicable construction codes and safety standards.
5. All Solar Systems must have the following minimum warranty requirements.
 - A. A 10-year warranty from the manufacturer for all solar collectors against defect or component breakdown.
 - B. A five-year warranty from the manufacturer for the storage tank against defect or component breakdown.
 - C. A two-year warranty from the installer against defects in the overall installation of the Solar System, including roof penetration leaks, from the date of completed installation. This warranty must provide for no-cost repair or replacement of affected components, including any associated labor during the warranty period not otherwise provided by the manufacturer.
6. Solar Systems used in OG-300 applications must be OG-300 certified by a third party entity approved by SRP and must be installed per the rating agency's qualifications and standards.
7. Solar collector panels used in standard or pool applications must be OG-100 certified by a third party entity approved by SRP and must be installed per the rating agency's qualifications and standards.
8. Integral Collector Storage ("ICS") systems must have a minimum collector piping wall thickness of 0.058 inches. When specifying an ICS system, enclose documentation to support this requirement.
9. SRP reserves the right to modify equipment qualifications at any time.
10. If any material changes to the information provided in the Commercial Solar Water Heater Incentive Application occur, the Customer must update such information by submitting a Commercial Solar Water Heater Addendum.
11. Solar collector panels must be substantially unshaded between the hours of 9:00 a.m. and 3:00 p.m.

SECTION IV: METERING

1. The Solar System installed on standard and pool applications must include the installation of a customer owned BTU meter manufactured by Metrima or an SRP-approved equivalent. The BTU meter must be appropriate for the flow and heat transfer fluid of the Solar System and must be installed according to the manufacturer's directions.
2. The BTU meter must remain as part of the Solar System for the operating life of the Solar System. Under no circumstances shall the BTU meter be removed except for temporary removal required for maintenance purposes following which it must be reinstalled.