



2023 HOME ENERGY-EFFICIENCY REBATE PROGRAM

Solar Thermal Water
Heating

SWH Add-on Measure to SoCalGas Home Energy-Efficiency Rebate Program

- *Single Family residential customers purchasing and installing qualified energy-efficient products in existing SF detached homes & attached homes (up to a four-plex).*
Note: New Construction does not qualify.
- *Authorized Rebate Program through 2023*
- *Scaled Rebate Depending on Water Heating System Efficiency Installed (e.g, ENERGY STAR®)*
- *Recommended NABCEP (North American Board of Certified Energy Professionals) Installed Certification Training.*
- *The service territory covers 12 counties & included most of the region's heavily populated areas, with the exception of the city of Long Beach and county of San Diego.*

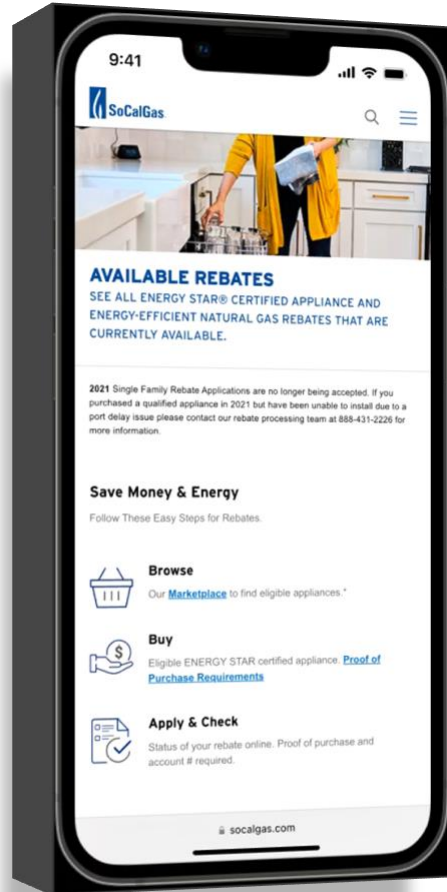


* SLO, Tulare, Kings, Kern, Ventura, LA, Orange, San Bernardino, Riverside, Imperial, Santa Barbara, & Fresno*

Application Timeline

- » **Select and Purchase:** Qualifying product(s) must be purchased and installed between January 1, 2023, and December 31, 2023, to be eligible for a rebate.
- » **Install:** Qualifying product(s) must be installed prior to submitting a rebate.
 - A licensed North American Board of Certified Energy Professionals (NABCEP) contractor is highly recommended for installation. Refer to NABCEP website for eligible participating contractors.
- » **Submit Rebate Application:** Customers must sign, print their name, and date application. Provide paid receipt(s) or proof of purchase. Applications must be postmarked December 31, 2023, or earlier, to be eligible for a rebate.
 - Applications must be submitted by the SoCalGas customer.
 - ALL applications are processed on a first-come, first-served basis upon receipt until funds are depleted. INCOMPLETE or INCORRECT APPLICATIONS CANNOT BE PROCESSED. Resubmitted applications are processed on a first-come, first-served basis upon the new receipt date.
- » **Third-Party Verification:** A third-party verifier may inspect the installation and confirm that it meets all requirements.
- » **Receive Rebate Payment:** If all program requirements are met, a rebate check is generally mailed within 6 to 8 weeks.

How to Apply:



Customers may apply:

- ❑ Online Applications Easiest method for customer to fill out & faster to process.
- **Website: Link:** (here) <https://www.socalgas.com/save-money-and-energy/rebates-and-incentives/natural-gas-appliance-rebates>

- **URL for Mobile Customers:** [socalgas.com/Rebate](https://www.socalgas.com/Rebate)

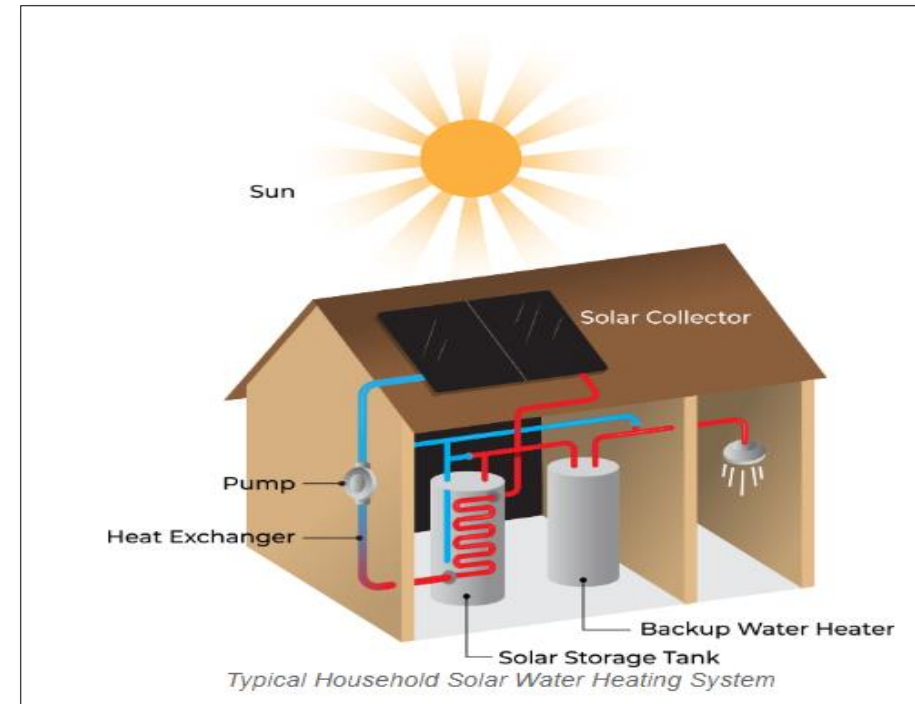
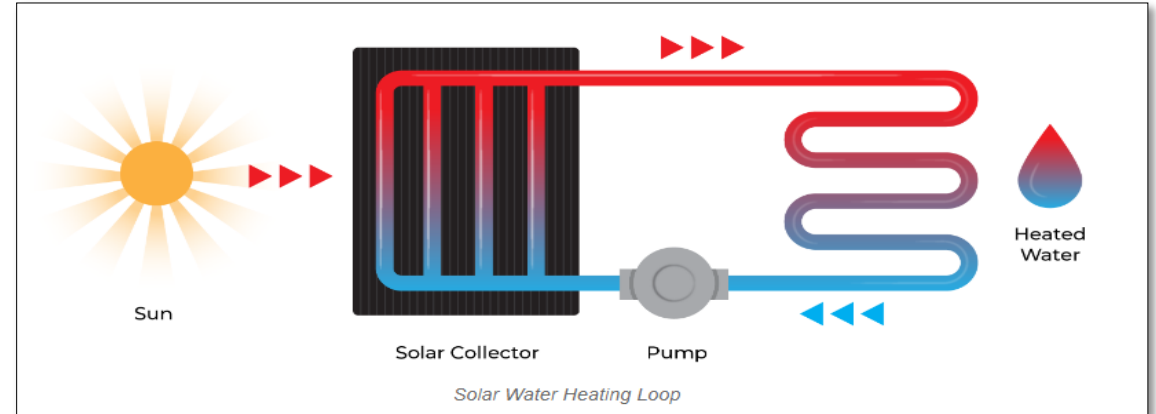
- ❑ through My Account: [socalgas.com/MyAccount](https://www.socalgas.com/MyAccount)

- ❑ Mail-in Rebate Application
- **SoCalGas, Residential Solar Thermal Water Heater Rebate**
P.O. Box 512670,
Los Angeles, CA 90051-0670

Qualifying Solar Systems

- System Type: Indirect Systems only (currently). No direct systems.
 - Gas storage (tank-type) or gas tankless backup
- Solar System Installed Orientation and Slope
 - Azimuth: 180 (South) +/- 40 degrees.
 - Slope: 10-50 degrees from horizontal.
- Certification Requirements
 - OG-100 certified solar collector
 - OG-300 certified system
 - ENERGY STAR certified system
- Sizing Requirements
 - Based on the number of bedrooms as a proxy for occupants (see table below). Single Family SHW System Sizing Table.
 - ENERGY STAR specifies a load size for each certified SWH based on collector array area. Available from ENERGY STAR or SRCC directory.

| Number of Bedrooms | Very Small (10 GPD) | Low (38 GPD) | Medium (55 GPD) | High (84 GPD) |
|--------------------|---------------------|--------------|-----------------|---------------|
| 1 | x | x | | |
| 2 | | x | x | |
| 3 | | | x | |
| 4 | | | x | x |
| 5 | | | | x |



Installation Requirements

- » SoCalGas recommends that all equipment to be installed by a CSLB licensed contractor with NABCEP certification.
 - NABCEP Certification is provided to installers by the North American Board of Certified Energy Professionals (NABCEP)
 - See the [NABCEP Certification Directory](#) to locate a qualified installer and get their installer certification number.
- » Be prepared to participate in any required verification of installation(s).
 - SoCalGas or another third party will verify the solar thermal water heating system.

Product Specifications - ENERGY STAR® Solar Thermal Water Heating Systems

The Certified ENERGY STAR Solar Water Heating Systems must have a Solar Uniform Energy Factor (SUEF) of 1.8 or greater.

Solar Thermal Water Heating System Information:*

Date Purchased _____ Date Installed _____

- **Solar Thermal Water Heating System Installed:** G-300 SHW System Certification: Manufacturer Name: _____ Certification #: _____ ** Click [Here](#) for the SRCC Listing Directory.

- **Solar Thermal Collector Installed** - Manufacturer Name: _____ Model OG-100 Certification # Icon _____**

• Collector Orientation _____ Slope _____

• Sizing: Very Small Low Med High

• Type: Indirect

New Back Up Hot Water Heater Information (tank, tankless, storage)

Date Purchased _____ Date Installed _____

Serial # _____ Model # _____

ENERGY STAR Solar Thermal Water Heating System Rebate

ENERGY STAR Solar Thermal Water Heating System with an ENERGY STAR Tankless Gas backup (.95 UEF or above) replacing a Tankless Gas Water Heater – **\$4,500 rebate**

ENERGY STAR Solar Thermal Water Heating System with an ENERGY STAR Tankless Gas backup (.95 UEF or above) replacing a Storage Gas Water Heater – **\$4,500 rebate**

ENERGY STAR Solar Thermal Water Heating System with an ENERGY STAR Storage Gas backup (up to 55 gallons) replacing a Storage Gas Water Heater – **\$3,500 rebate**

ENERGY STAR Solar Thermal Water Heating System with a NON-ENERGY STAR Tankless Gas backup (.82 UEF or above) replacing a Tankless Gas Water Heater – **\$3,000 rebate**

ENERGY STAR Solar Thermal Water Heating System with a NON-ENERGY STAR Tankless Gas backup (.82 UEF or above) replacing a Storage Gas Water Heater – **\$3,000 rebate**

ENERGY STAR Solar Thermal Water Heating System with a NON-ENERGY STAR Storage Gas Water Heater (up to 55 gallons) backup replacing a Storage Gas Water Heater – **\$2,500 rebate**

Incentive levels are subject to change.

How to Qualify for ENERGY STAR®



- » Manufacturer must be an ENERGY STAR partner ([apply online for free](#))
- » Minimum Requirements for System
 - OG-300 certification
 - SUEF ≥ 1.8 (for gas backup systems)
 - Minimum warranty requirements
 - > 10 years for collector
 - > 6 years on sealed system
 - > 2 years on controls
 - > 1 year on piping & parts
- » Must report annual sales of certified products to EPA.
- » Annual renewal required.

What is Solar Uniform Energy Factor (SUEF)?

| Total Area of Solar Collector Array* | DOE Draw Pattern** | SoCalGas House Size (Bedrooms) |
|--------------------------------------|---------------------------|--------------------------------|
| 0 – 24 ft ² | Very-Small Usage (10 gpd) | 1 |
| 24 – 38 ft ² | Low-Usage (38 gpd) | 1,2 |
| 38 – 64 ft ² | Medium-Usage (55 gpd) | 2,3,4 |
| > 64 ft ² | High-Usage (84 gpd) | 4,5 |

- » Performance metric based on DOE Uniform Energy Factor (UEF).
- » Generated through TRNSYS computer modeling.
- » Available for any OG-300 certified system.
- » Size of hot water draw pattern used based on total solar thermal array size.

ENERGY STAR® Certification Process for Manufacturers

Step 1: Register as an ENERGY STAR Partner

Step 2: Get OG-300 Certification and SUEF

Step 3: Apply for ENERGY STAR Certification from SRCC

Step 4: Evaluation and Posting on SRCC and EPA Websites

Finding System Information for SoCalGas Forms

» [SRCC OG-300 Directory](#)

| Select rows below to compare | OG-300 Number | Manufacturer | Brand Name | Model | Solar System Type | Backup Heater Type | Total Collector Area(ft ²) | [CCZ 1 - Arcata] Solar Fraction (SF) | ENERGY STAR® | Expiration Date | Canada Single Day Savings |
|------------------------------|--------------------------|------------------------------------|----------------------|---------------------------------|-------------------|--------------------|--|--------------------------------------|--------------|-----------------|---------------------------|
| <input type="checkbox"/> | 30003791 | Solahart Industries | Solahart | ASE 302J & ASE 302J Free Heat | Thermosiphon | Electric Tank | 43.12 | 0.37 | ★ | 03/01/24 | |
| <input type="checkbox"/> | 2006007C | Alternate Energy Technologies, LLC | EagleSun DX | DX-80-64 | Pumped | Electric Tank | 65.34 | 0.60 | ★ | 11/01/23 | 6.71 |
| <input type="checkbox"/> | 2010017C | Alternate Energy Technologies, LLC | EagleSun | DBS-G2-80-64 | Pumped | Gas Tank | 65.34 | 0.54 | ★ | 11/01/23 | 8.14 |
| <input type="checkbox"/> | 30004355 | Acevedo Solar Systems LLC | Acevedo Solar System | Solar Water Heater Unit 2-20 | Thermosiphon | Electric Tank | 36.34 | 0.39 | ★ | 05/01/24 | |
| <input type="checkbox"/> | 30004373 | Universal Solar Products, Inc. | USP | D120-18 | Thermosiphon | None | 71.90 | 0.41 | ★ | 02/01/24 | |
| <input type="checkbox"/> | 30004305 | SAMMLER B MICHALOPOULOS AEBE | A Series | A169 | Thermosiphon | Gas Tankless | 27.08 | 0.46 | ★ | 11/01/23 | |
| <input type="checkbox"/> | 30004353 | Dimas SA | Aria | Aria 300-4 EL | Thermosiphon | Electric Tank | 43.49 | 0.48 | ★ | 11/01/23 | |
| <input type="checkbox"/> | 2010048C | Rheem Water Heaters | RHEEM SOLPAK | RS120-64BP-TG | Pumped | Gas Tankless | 65.67 | 0.67 | ★ | 03/01/24 | 8.98 |
| <input type="checkbox"/> | 30004380 | Solahart Industries | Solahart | ASTG 181J & ASTG 181J Free Heat | Thermosiphon | Gas Tankless | 21.56 | 0.42 | ★ | 03/01/25 | |
| <input type="checkbox"/> | 30004361 | Dimas SA | Aria | Aria 300-3 EL | Thermosiphon | Electric Tank | 31.46 | 0.37 | ★ | 11/01/23 | |
| <input type="checkbox"/> | 30004356 | SYRIUS Solar Industry | SYRIUS | TS-304ECO/INOX | Thermosiphon | Electric Tank | 44.35 | 0.52 | ★ | 06/01/24 | |
| <input type="checkbox"/> | 30004351 | Heliodyne, Inc. | HELIO-FLO | HF 1 408 G 60 AC S E | Pumped | Electric Tank | 32.22 | 0.50 | ★ | 11/01/23 | |



» [SRCC Listing Directory](#)

MOD
The solar heating and/or cooling products listed below have been evaluated by the Solar Heating & Cooling Institute (SHCI) (ICC-SRCC®), an ISO/IEC 17065 accredited and EPA-recognized Certification Body, in accordance with the SRCC Listing Procedure for Solar Thermal Listing Reports, and the specific standards and criteria.

| ENERGY STAR® Cert. No.™ | System Type | Backup Water Heater | Model Number | SUEF‡ | SUEF Draw Pattern‡ | OG-300 Cert No.⁵ |
|-------------------------|-----------------|---------------------|--------------------|-------|--------------------|--------------------------|
| 2408012 | Indirect Pumped | Electric Tank | EagleSun DX-80-40 | 3.5 | Medium (55 gpd) | 2006007A |
| 2407946 | Indirect Pumped | Electric Tank | EagleSun DX-80-64 | 99.0 | High (84 gpd) | 2006007C |
| 2408013 | Indirect Pumped | Electric Tank | EagleSun DX-120-64 | 5.8 | High (84 gpd) | 2006007E |
| | Indirect | | | | | |



Glad to be of service.®

Want More Information?

ENERGY STAR® LINKS

- » [ENERGY STAR Water Heater Directory](#)
- » [Manufacturer Partner Registration](#)
- » [Unit shipment information](#)
- » [Brand and Logo Use](#)

SoCalGas LINKS

- » [SoCalGas Rebates Webpage](#)
- » [Mail-In Application Form](#)
- » [Online Application Form](#)
- » [Getting to Know Your Solar Water Heater](#)

SRCC LINKS

- » [ENERGY STAR Certification Program Summary](#)
- » [SUEF Metric information](#)
- » [SRCC Directories](#)
- » [SRCC FAQ](#)
- » [SRCC Application Portal](#)

QUESTIONS?