

OG 100 SOLAR WATER HEATING WORKSHEET

CEC-NRCC-STH-01-E (Revised 01/16)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF COMPLIANCE		NRCC-STH-01-E
OG 100 Solar Water Heating Worksheet		(Page 1 of 2)
Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City:	Zip Code:

A. General System Information		
01	Water Heating System Name	
02	Climate Zone	
03	Collector Manufacturer	
04	Collector Brand	
05	Collector Model Number	
06	SRCC Certification Number	
07	Name of Program Used to Generate Solar Thermal Performance	
08	Version of Software Used	
09	Collector Type	
10	Collector Area in ft ²	
11	Collector Rated Efficiency Curve Slope	
12	Collector Rated Efficiency Curve Intercept	
13	Number of Collectors	
14	Collector Fluid	
15	Water Heater Storage Volume in Gallons	
16	Secondary Storage Tank Volume in Gallons (if used)	
17	Collector Angle from True North in Degrees	
18	Collector Slope form Horizontal in Degrees	
19	Floor Area of Building in ft ²	
20	Number of Identical Dwelling Units	
21	Calculated Solar Fraction	



CERTIFICATE OF COMPLIANCE		NRCC-STH-01-E
OG 100 Solar Water Heating Worksheet		(Page 2 of 2)
Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City:	Zip Code:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company :	Date Signed:
Address:	License:
City/State/Zip:	Phone:

NRCC-STH-01-E User Instructions**Section A. General System Information**

- 01 Water Heating System Name: Enter the name of the water heating system.
- 02 California Climate Zone: Enter the climate zone the project was performed for.
- 03 Collector Manufacturer: Enter the name of the collector manufacturer.
- 04 Collector Brand: Enter the Brand name of the collector if different than the Manufacturer.
- 05 Collector Model Number: Enter the collector model number as listed in the SRCC directory.
- 06 SRCC Certification Number: Enter the SRCC Certification Number from the SRCC directory.
- 07 Name of Program Used to Generate Solar Thermal Performance: Enter the name of the solar thermal simulation tool used. If other than California F-chart the program must be approved for use by the Energy Commission.
- 08 Version of Software Used: Enter, if applicable, the version of the simulation tool used.
- 09 Collector Type: Enter the collector type listed in the SRCC directory.
- 10 Collector Area in ft²: Enter the listed square footage (ft²) of the collector as listed in the SRCC directory.
- 11 Collector Rated Efficiency Curve Slope: Enter the slope of the collector listed in the SRCC directory.
- 12 Collector Rated Efficiency Curve intercept: Enter the intercept of the collector listed in the SRCC directory.
- 13 Number of Collectors: Enter the number of collectors included in the simulation run.
- 14 Collector Fluid: Enter the type of fluid used in the collector (i.e. water, glycol, air).
- 15 Water Heater Storage Volume in Gallons: Enter the number of gallons of fluid in the primary water heater storage tank.
- 16 Secondary Storage Tank Volume in Gallons: If applicable, enter the volume of the secondary tank used for solar storage; this may include more than one tank.
- 17 Collector Angle from True North in Degrees: Enter the angle of the collectors from true north used in simulation.
Note in calculating the angle be sure to include the regions magnetic declination.
- 18 Collector Slope from Horizontal in Degrees: Enter the slope of the collectors from horizontal as used in the simulation.
- 19 Floor Area of Building in ft²: Enter the square footage (ft²) of the building.
- 20 Number of Identical Dwelling Units: Enter the number of units in the building.
- 21 Calculated Solar Fraction: Enter the average annual solar fraction, or note that hourly data was used.