



Application for OG-300 Modeling Service

The ICC-SRCC OG-300 Modeling Service provides a tool for manufacturers and designers to evaluate the performance ratings of solar water heating systems. It can be used to assess the impact of changes to existing OG-300 systems or evaluate new designs of solar water heating systems.

Under the service, thermal performance ratings for solar water heating systems are developed using ICC-SRCC’s OG-300 computer models using the same input conditions, localized weather data and thermal loads used for OG-300 ratings. Performance results are provided for all geographic locations currently included in the OG-300 rating program. Performance ratings are also available for other hot water loads and rating conditions, upon request.

The performance results from the OG-300 Modeling Service may not be used to claim OG-300 certification. But, where an applicant applies for full OG-300 certification for a system that has undergone OG-300 modeling, portions of modeling fees may be credited to the cost of the new certification.

To Request the OG-300 Modeling Service, please complete the following and return the application to ICC-SRCC.

1. Applicant Information		
<i>Company Name*:</i>		
<i>Applicant Name*:</i>		
<i>Mailing Address Line 1*:</i>		
<i>Mailing Address Line 2*:</i>		
<i>City/State/Zip/Country*:</i>		
<i>Are you a current SRCC client?</i>	Yes	No

If <u>not</u> a current SRCC client, please provide the following information	
<i>Company Mailing Address Line 1*:</i>	
<i>Company Mailing Address Line 2*:</i>	
<i>Company City/State/Zip/Country*:</i>	
<i>Technical Representative Name (if different from above)*:</i>	
<i>Title*:</i>	
<i>Address (if different from above) Line 1*:</i>	
<i>Address Line 2*:</i>	
<i>City/State/Zip/Country*:</i>	
<i>Phone:</i>	
<i>Email:</i>	

* Information on ICC-SRCC public certificates and directories. Provide information exactly as it should appear.



2. Modeling Service Requested (Select all requested):

Standard OG-300 Ratings: Annual OG-300 ratings provided for each of the current rating locations reported in current OG-300 certification, using standard 64.3 gallon per day hot water load. Annual performance ratings reported as Solar Fraction (SF) and Annual Energy Savings. Also provides one-day Solar Energy Factor (SEF) as required for ENERGY STAR Residential Water Heater product certification.

Puerto Rico Supplemental Ratings: Annual OG-300 ratings provided for San Juan, Puerto Rico using four DOE UEF hot water load patterns* (10, 38, 55 and 84 gallons per day). Results reported as Solar Fraction (SF) and Annual Energy Savings. Where no backup is included, results will include the Load Match (LM) ratio.

Canadian Single-Day Ratings: Estimated annual energy savings determined using computer modeling based on the standard weather and 300 liter hot water load for one day as specified in CAN/CSA F379. Reported in units of GJ/year.

Solar Uniform Energy Factor (SUEF): SUEF as defined in ICC 900/SRCC 300-2020, Appendix A.

Other Location:

Other Hot Water Load:

*DOE UEF hot water draw patterns specified in 10 CFR 430, Subpart B, Appendix E, Uniform Test Method for Measuring the Energy Consumption of Water Heaters

3. System Information:

- a. Has the system to be modeled ever been OG-300 certified by ICC-SRCC? Yes No
- i. If yes, please provide the OG-300 certification number:
- ii. If yes, do you wish to modify the design of the system to be modeled? Yes No
- b. Please describe the system to be modeled and provide a drawing or schematic of the system layout identifying all components.

Applicant agrees to the following conditions:

1. In consideration of the processing of this application, the applicant agrees to abide by any conditions attached to the approval of this application.
2. ICC-SRCC will model the system design supplied in accordance with the using the OG-300 Performance Rating Methodology in effect at the time of submission. This includes, but is not limited to, hot water loading, water heater setpoints, water mains temperatures, localized weather and irradiance data and assumptions.
3. The OG-300 Modeling Service is only available for system designs that are eligible for certification and within the scope of the ICC-SRCC OG-300 certification program, as determined solely by ICC-SRCC.
4. System designs and requests for modeling are subject to the ICC-SRCC Confidentiality and Conflict of Interest Policies.
5. Collectors specified for the system must have a current OG-100 certification. Exception: Where the applicant previously had a collector certified under the OG-100 program that is eligible for reinstatement, a system may be modeled using the most recent performance ratings for that collector.
6. Where component performance data is not supplied, ICC-SRCC will model the system using generic OG-300 component models. Additional detail on the generic component models available upon request.
7. The performance results from the OG-300 Modeling Service may not be used to claim OG-300 certification or for marketing purposes. These performance ratings are intended solely for the purpose of evaluating performance for purpose of aiding in the design of solar water heating systems.



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8. Fees paid for modeling services may be credited to OG-300 application fees for certification of the system provided there has been no change to the system that would affect the ratings in any manner. ICC-SRCC may limit the credit in cases where there are multiple modeling submissions for the same system, or if more than 90 days elapses between the delivery of modeling results and the receipt of an application for OG-300 certification.
9. Solar water heating systems subject to the OG-300 Modeling Service are not guaranteed to be granted OG-300 certification if an application is submitted and are afforded no preferential consideration.
10. ICC-SRCC may provide modeling services for solar water heating systems using hot water loads and geographic locations not specified in this application at its sole discretion.
11. Performance ratings from the OG-300 Modeling Service are not subject to appeal under the ICC-SRCC Complaint Policy.
12. OG-300 Modeling Service fees are non-refundable.
13. Affirmative actions of ICC-SRCC are based primarily on the data submitted by the applicant and/or listee and the validity and integrity thereof as implicitly represented by the applicant in submitting the same. Applicant agrees that it shall have no cause of action or claim against ICC-SRCC or its parent corporation, the International Code Council, Inc., or the officers, directors, members and employees of either entity from time to time arising out of any ratings issued pursuant to this application, whether or not such ratings are subject to conditions, or out of any denial of this application. Applicant agrees to hold ICC-SRCC, its parent corporation, the International Code Council, Inc., or any of their affiliates, parent, brother or sister corporations or their successor-in-interest or assigns, and the officers, directors, members, and employees of such entities ("ICC" collectively throughout this paragraph) harmless, and to defend and indemnify them, with respect to any claim, liability, action or judgment arising from the use or operation by any person of the product or service to which the application relates, actual or asserted, whether related to the matters set forth in the first sentence of this paragraph or otherwise, whether for personal injury, wrongful death, property damage, or any type of injury or damage whatsoever, whether or not of the same kind or nature as any of the foregoing. ICC's rights pursuant to the foregoing sentence, and applicant's obligations there under, shall apply whether or not it is claimed that ICC was concurrently negligent with others, solely negligent, actively or passively negligent, and whether or not the legal theory of the claimant(s) is on one of the foregoing grounds or some other. California law shall apply to the interpretation hereof. If any part or portion of this paragraph, or any application thereof to particular facts, should be determined invalid, the provisions hereof shall be severable so as to achieve for ICC the maximum legal protection.

Name of Authorized Applicant	Name of ICC-SRCC Authorized Personnel
Title	Title
Phone/Fax	Phone/Fax
Email	Email
Signature	Signature
Date	Date

One copy of all supporting data should be submitted to ICC-SRCC, 3060 Saturn Street, Suite 100, Brea, CA 92821, or by email to srcc@solar-rating.org, with this completed application.