



Rater Training for
CalCERTS Certified
Whole-House Energy Rater
(including Solar)
Northern California – Folsom

November 26 - 29, 2012 (Mon. - Thurs.)

****NOTE: If you have already taken CalCERTS Class VI: Photovoltaic/Solar, please call 916-985-3400 x301 to register for this class – you will NOT need day 4 of this class.****

Class Code: 121126LN

Location: CalCERTS, Inc.
31 Natoma St., Ste. 140, Folsom, CA 95630
Phone: (916) 985-3400 x301

Times: **Day 1** 9:00 am-5:00 pm Class (*lunch provided*)
Days 2-4 9:00 am-5:00 pm (*lunch on your own*)

Cost: \$1075 per person
\$300 “CalRATEpro” (CalCERTS licensed software.) Payment made to EnergySoft.
Visit www.calcerts.com to download software – scroll to the right and click the link at the very bottom called “CalRatePRO”. This will take you to the EnergySoft order form.
Please note: There is an additional \$200 for the EnergyPro Interface if you are NOT already an EnergyPro user. Similar to any other Rating, there will be an upload charge to generate official certified rating reports from the CalCERTS registry.

You can sign up for the class on-line and pay via credit card at:
www.calcerts.com or call 916.985.3400 x301

This class is intended to provide the training and education necessary for candidates to be able to pass the certification exams and field work for people interested in becoming a California Whole-House Home Energy Rater. Prerequisites: You must be a **2008 CalCERTS Compliance (HERS I) Rater for Alterations and Newly Constructed Homes.**

Phase II of the California HERS program guides the production of consistent, accurate, and uniform ratings based on a single statewide rating scale. It ensures that any audit or rating includes reasonable estimates of potential utility bill savings and reliable recommendations on cost-effective measures to improve energy efficiency. It establishes labeling procedures that will meet the needs of homebuyers, homeowners, renters, the real estate industry, and mortgage lenders with an interest in home energy ratings.

In addition, to complete your certification process, one whole-house rating must be performed by the Rater in a field house under the supervision of a CalCERTS Instructor. CalCERTS has created a network of instructors in different areas that will be available for you to complete this portion of your training. Please call 916-985-3400 for more information and to schedule your field house appointment. Please note that there is a \$300 fee for this portion of your training and certification. **You must complete a field house before certification can be issued.**

This class will cover:

- Basic energy efficiency training
- Inspection and evaluation of the existing conditions of the home's energy-related features
- Analysis of the energy impact of those features
- Identification of potential energy efficiency improvements for that home
- Evaluation of the cost-effectiveness of each improvement
- Recommendations to the homeowner of the cost effective improvements
- Designation of a rating score of the comparative energy efficiency of the home
- Production of a label that communicates the HERS rating of the home

Solar topics covered:

- Verify solar panel installations, count modules
- Do performance testing using pyranometers
- Verify tilt, azimuth of arrays
- Read/verify kW output on different inverters
- Demonstrate minimal shading verification

ONLY if you were certified as a 2005 CalCERTS Rater (Session A, B and U) you are required to take an “energy concepts” challenge exam. You must study on your own prior to coming to class. The exam contains basic energy concepts that you should already know but Title 20 requires that we make sure you know them. After you register for the class, we will email the study materials to you. You will meet with the instructor to arrange a time to take the “energy concepts” challenge exam. There are 20 questions, open book, multiple choice. You will have one hour to complete this test. A score of 80% is required to pass the exam.

IMPORTANT: Bring to class a laptop with “CalRATE*pro*” software pre-loaded (if you do not own a laptop, please call 916-985-3400 x301 and we MAY be able to arrange for you to use one for this class). It is strongly encouraged that you load the software and get familiar with how it works before coming to class. Also bring to class: tape measure, graph paper, straight-edge, pencil, pen, calculator, clipboard, and notepad. If you are English as a second language, you may also want to bring a translation dictionary or device.

At the end of day 3 and day 4, participants are **required** to take an open-book, multiple-choice exam. A score of 80% is required to pass the exam. For questions about the training call 916-985-3400 x301 or e-mail training@calcerts.com.

***** You do not need to be certified for refrigerant charge and airflow (RCA), non-residential buildings, energy efficient mortgages, or Energy Star to be a whole house rater.***

Recommended lodging: Folsom Larkspur Landing – 121 Iron Point Road Folsom, CA 95630 (916) 355-1616
Link to discounted rate: <https://gc.synxis.com/rez.aspx?Hotel=11163&Chain=5175&promo=002511CALCR>