

2013 Standards Registry Processes

Neal Lockett, CalCERTS

Technical Support



HERS Provider

CalCERTS, Inc.

CalCERTS is a private company approved by the California Energy Commission to be a Home Energy Rating System Provider.

- **Training & certification**
- **Registry operation**
- **Quality Assurance**



CalCERTS Contact

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CEC Contact

California Energy Commission Telephone Hotline:

General questions, technical assistance and interpretations of the Title 24 Efficiency Standards.

800-772-3300 (Statewide)

916-654-5106 (Sacramento Area)

E-mail: title24@energy.state.ca.us

The Registry

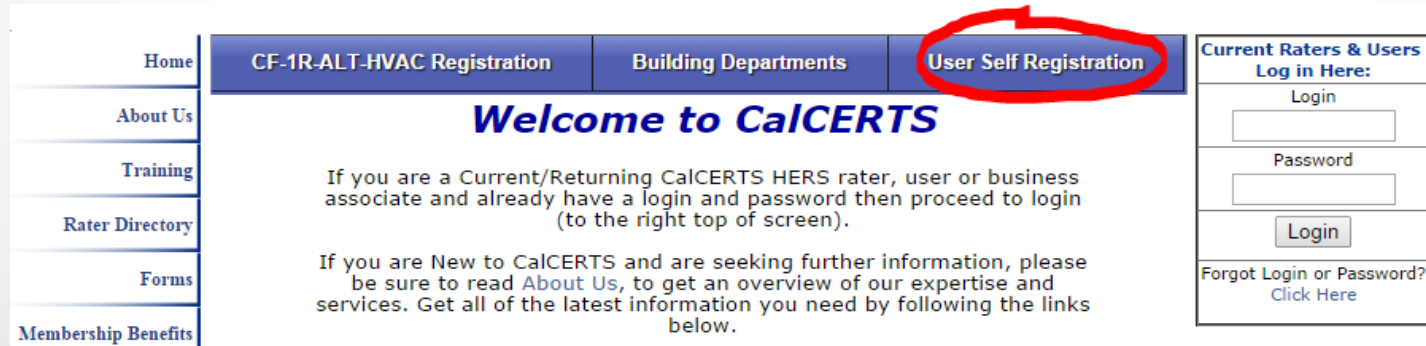
- **An online database of building projects**
- **It contains all projects that require FV/DT by a HERS rater**
 - **The prescriptive or performance requirements (CF-1R)**
 - **Installer and HERS Rater inspection results**
- **The registry also contains:**
 - **E+A+A projects that require verification of existing features**
 - **HERS inspections for above-code and incentive programs**
 - **Whole House Ratings**

Registry Terms

- **Builder**
- **Designer**
- **Energy Consultant**
- **Installer**
- **HERS Rater**
- **CF-1R**
- **Project**
- **New Construction Residential**
- **Additions and/or Alterations**
- **Non-residential**
- **CF-1R bin**
- **Electronic signature**
- **Company account**
- **User account**

Registry Access

- Various stakeholders need registry access
 - Enter data/upload files
 - Approve documents
 - Designer, energy consultant, installer, architect, professional engineer, developer, general contractor, HERS rater, home owner, etc.



The screenshot shows the CalCERTS website interface. On the left is a vertical navigation menu with links: Home, About Us, Training, Rater Directory, Forms, and Membership Benefits. The top navigation bar contains three main sections: 'CF-1R-ALT-HVAC Registration', 'Building Departments', and 'User Self Registration', which is circled in red. Below the navigation bar, the page displays a 'Welcome to CalCERTS' message. The message is split into two paragraphs: the first for current/returning users and the second for new users. On the right side of the page, there is a 'Current Raters & Users Log in Here:' section containing input fields for 'Login' and 'Password', a 'Login' button, and a 'Forgot Login or Password? Click Here' link.

Home	CF-1R-ALT-HVAC Registration	Building Departments	User Self Registration	Current Raters & Users Log in Here:
About Us	Welcome to CalCERTS			Login
Training				<input type="text"/>
Rater Directory	If you are a Current/Returning CalCERTS HERS rater, user or business associate and already have a login and password then proceed to login (to the right top of screen).			Password
Forms	If you are New to CalCERTS and are seeking further information, please be sure to read About Us , to get an overview of our expertise and services. Get all of the latest information you need by following the links below.			<input type="text"/>
Membership Benefits				Login
				Forgot Login or Password? Click Here

Performance Approach

- Use any approved compliance software to do the modeling
- If HERS verifications are required/selected, talk to a HERS rater
- Create XML file of CF-1R using compliance software
 - AnalysisResults-BEES.xml
 - Typically done by energy consultant
- Upload XML file to registry
 - Energy consultant, builder, HERS rater, architect, anyone
- Entity uploading file must have a registry account

2013 Approved Computer Compliance Programs

Residential Buildings, 2013 Standards		
Program Name	Comments	Contact Information
CBECC-Res ver. 3 www.bwilcox.com/BEES/BEES.html	<p>Public domain software for complying with the 2013 Residential Energy Efficiency Standards for newly constructed buildings and additions/alterations. Version 3 must be used for permit applications made on or after October 13, 2014. Version 2 or 3 may be used until that date.</p> <p>Please report any issues using instructions from the Quick Start Guide included with the software. Approved 8/27/2014.</p>	California Energy Commission Building Standards Office 1516 9th Street, MS 37 Sacramento, CA 95814 ATTN: Dee Anne Ross 916-654-6560 deeanne.ross@energy.ca.gov
EnergyPro V6.3 www.energysoft.com	<p>Approved 9/5/2014 for compliance with the 2013 Residential Energy Efficiency Standards for newly constructed buildings and additions/alterations. Version 6.3 must be used for permit applications made on or after October 13, 2014. Version 6.2 or 6.3 may be used until that date.</p>	EnergySoft, LLC. 1025 5th Street, Suite A Novato, CA 94945-2413 Phone: (415) 897-6400
Right-Energy Title 24 v1.1 www.wrightsoft.com	<p>Approved 9/5/2014 for compliance with the 2013 Residential Energy Efficiency Standards for newly constructed single family buildings. This is a module for Right-Suite Universal. Version 1.1 must be used for permit applications made on or after October 13, 2014. Version 1.0 or 1.13 may be used until that date.</p>	Wrightsoft Corporation 131 Hartwell Avenue Lexington, MA 02421 Phone: (800) 225-8697 sales@wrightsoft.com

CF-1R Registration

- Project design/modeling
- Title 24 file upload to HERS registry
- Document approval
 - Documentation Author
 - Responsible Designer
- Payment
- Download PDF
- Transfer CF-1R

Prescriptive Projects

- Design the project meeting the prescriptive parameters
- If HERS (mandatory) verifications are required, talk to a HERS rater
- The registry can currently accept
 - 2008 prescriptive projects
 - Prescriptive mechanical alterations
- 2013 prescriptive construction projects are unavailable
 - Need to use performance approach
 - Check with the local jurisdiction

Registry Demonstration

- **Training Materials page and webinars**
- **Creating XML files**
- **Uploading XML files**
- **Creating Alterations/Additions Projects**
- **Approving PDF documents**
- **Payment**
- **Downloading official PDF documents**

Resources

On-Line Training Videos

CalCERTS

www.calcerts.com

- Registry operations and diagnostic testing

CEC

www.energyvideos.com

- Title 24 Efficiency Standards

WxTV

www.wxtvonline.org

- Topics on weatherization

YouTube

www.youtube.com

- About anything you can think of!

Resources

Blueprint

(recommended)

Newsletter that addresses issues related to enforcement and compliance.

Downloaded from the CEC's website, or join e-mail recipient list.

www.energy.ca.gov/efficiency/blueprint/

CALIFORNIA ENERGY COMMISSION

BLUEPRINT

EFFICIENCY DIVISION

SEPTEMBER - OCTOBER 2013

The 2013 Standards Will Go Into Effect January 1, 2014

The Blueprint is your guide to information, training and resources for the 2013 Building Energy Efficiency Standards. The California Energy Commission has partnered with the Statewide Codes & Standards Program to provide training and resources for building officials. California's building energy code can help save energy, keep our air cleaner and offset the need to build new power plants. We understand it can be quite technical and difficult to navigate new standards, especially when time and resources are limited.

The Statewide Codes & Standards Program offers free energy code training, tools and resources for building department personnel, as well as others who need to understand and meet the requirements of Title 24, Part 6. Designed to improve compliance with the state's building energy code, the program aims to

advance the adoption and effective implementation of energy efficiency measures and building practices to lock in long-term energy savings. The program recognizes that codes and standards are one of the most effective pathways to ensuring sustained market transformation. The key to making them work well is found in the enforcement efforts of building department professionals. Program offerings are designed for counter staff, plans examiners, field inspectors and building officials.

The California Statewide Codes & Standards Program is funded by California utility customers under the auspices of the California Public Utilities Commission and implemented by Pacific Gas and Electric Company, San Diego Gas and Electric, Southern California Edison and Southern California Gas, in support of the California Energy Commission.

Fall 2013 Classroom Trainings Offered

- ▶ Title 24 Residential or Nonresidential Standards Essentials for Plans Examiners & Building Inspectors
- ▶ Residential Lighting: Title 24 & Technology Update
- ▶ Retail Lighting: Title 24 and Technology Update
- ▶ Title 24 Standards Essentials for Supermarket Refrigeration
- ▶ Title 24 Standards Essentials for Residential AC Quality Installation Contractors
- ▶ Title 24 Standards Essentials for Small Commercial AC Quality Installation Contractors

Courses are offered at utility energy training centers and at special locations upon request. For more information please email wendy@mbaenergy.com. For scheduled classes, check these energy center websites to register:

- ▶ <http://www.pge.com/pec>
- ▶ <http://www.sdge.com/eic>
- ▶ <http://www.socalgas.com/innovation/energy-resource-center>
- ▶ <https://www.sce.com/wps/portal/home/business/consulting-services/energy-education-centers>

Other Resources

CPUC funded Training

Most local utilities offer free training on energy efficiency related topics.

Bookmark their websites and check regularly, the best classes fill quickly!



*Pacific Gas and
Electric Company*



Questions



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Thank you!