



March 6, 2018 Meeting Minutes

Redwood Empire Association of Code Officials

1007-B West College Avenue # 326 Santa Rosa, CA 95401

The March 6th meeting was held at Cattlemen's Restaurant Petaluma

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

The meeting was called to order at 12:06pm by Tony Piazza, which was followed by the pledge of allegiance.

2. SELF INTRODUCTIONS (Officers, Guests, Members)

There were 30 members and guests in attendance.

3. APPROVAL OF MINUTES -

A motion and second were made and the minutes of the February meeting were approved.

4. OFFICERS REPORTS

President: Tony Piazza - No report

Vice President: Charles Lucas - No report

Secretary: Jay Bradford - No report

Treasurer: Steve Buffenbarger- Checking Balance: \$26,630.23

Past President: Glenn Schainblatt - No report

5. LIAISON REPORTS

AIARE: No Report

CSI: Charles Young: Charles announced [CSI Construction Technology Expo](#) on March 22nd. He highlighted that 52 of 60 spaces had been secured for the expo and expects a sellout. In conjunction with the expo, there will be an education seminar and panel discussion on Zero Net Energy for Residential Construction.

SCFPO: Glenn Schainblatt: Glenn summarized a meeting with the FPOs. Points included fire service gear replacement, classes on [Residential Potable Water Fire Protection System Training](#), NFPA 13D entry and advanced classes – dates TBD, Level 2 Prevention classes – dates TBD, Sprinkler fitter certification training after FPO meeting – date TBD, and needed work on code amendments. This was followed by short group discussion.

ICC: Tony Piazza: Tony directed members to the [March 2018 REACO Agenda](#) for information on ICC announcements. ICC member registration and validation for voting rights closes March 16th.

CBOAC: Glenn Schainblatt: Glenn announced the Annual meeting for Embassy Suites in San Rafael from April 30-May 2. See website for more information: <http://www.cboac.net/>

CALBO: Brad Wungluck: Brad provided updates on CALBO's 56th Annual Business Meeting followed by CALBO's 3rd Annual Job Fair and Career Development Day. Reminder the proposed changes to the Group A codes, to be presented at the Committee Action Hearings on April 15-23, 2018. [CALBO's 2018 Leadership & Advocacy Day](#) on April 18th.

CEC: Amie Brousseau: Amie summarized CEC announcements, training opportunities from Energy Code Ace and included information on the 2019 Building Energy Efficiency Standards Rulemaking 45-day language posted on January 19, 2018 which were attached to the [March 2018 REACO Agenda](#).

IAEI: Glenn Schainblatt: Glenn announced the [2018 IAEI Section Meeting](#). Doug Hughes is looking to gain enough support from local members to open a sub-chapter to the Northern California Chapter of IAEI. The IAEI Membership can be found on the [IAEI website](#).

6. **COMMITTEE REPORTS**

Education Committee: Committee Member, Glenn Schainblatt discussed upcoming training opportunities:

March 19th / Safety Assessment Program / Glenn Schainblatt, Building Official for Sebastopol, Instructor

March 20th / Disasters: Training vs. Real Life Response/ Nancy Springer, CSLB Board Member and Building Official for Butte County, Instructor

Carolyn Glanton gave an overview of trainings:

March 13th / [Heat Pump Contractor Training](#) in Santa Rosa

March 22nd / [Zero Net Energy for Residential New Construction Seminar](#) in Santa Rosa

March 27th / Increasing Reliability and Resiliency with Microgrids in San Francisco or [online here](#).

Web-Site Committee: Committee Member, Steve Buffenbarger noted the payments for monthly meetings closes at 10:30am the day of the meeting. Payments for REACO training classes will be available online.

Sustainability Committee: Daryl Phillips will reach out to individuals interested in sustainable initiatives to have a meeting and will report back at the next meeting. [Tailoring the Solar Permitting Process to Match Stakeholder Preferences](#) was announced for March 27th.

7. **PROGRAM**

Amie Brousseau, California Energy Commission and Chris Olvera, California Energy Commission

Amie provided information regarding the current energy commission forms and resources. She went over general provisions of the code including administration and enforcement sections. Helpful tools built in to the electronic versions of the code were discussed as well as overall formatting and content management. Energy Code Compliance certification procedures for CalCERTS and CHEERS were outlined. Multiple handouts were provided including counter cards for HERS and Acceptance Testing. Other helpful tools included links to California Energy Commission common use websites and hotline phone number:

<http://www.energy.ca.gov/title24/orc/>

<http://www.energy.ca.gov/listservers/>

[Blueprint Newsletter](#)

CEC Hotline: 1-800-772-3300

8. **CORRESPONDENCE AND ANNOUNCEMENTS**

Tony Piazza: Thomas Ahrens, City of San Rafael Building Official, has announced his intention to retire from public service on March 27th. See link to [Chief Building Official job flier](#).

9. **NEW BUSINESS**

No topics discussed.

10. **OLD BUSINESS**

No topics discussed.

11. **LEGISLATIVE NEWS**

General discussions included SB-442 changes to the Swimming Pool Safety Act requirements and AB-1414 changes to PV permitting.

12. **Open Forum**

General discussions included a defining new construction vs. alterations or repairs and updates of recovery efforts in Sonoma County and Santa Rosa. Sonoma County will host [Rebuilding Community Meeting](#) on March 21st.

Carolyn Glanton will be providing information on Sonoma Clean Power incentives and rebate programs at a future meeting.

13. ADJOURNMENT

The meeting was adjourned at 1:55pm by Tony Piazza.

Please preregister for the next meeting on April 3, 2018, at the Marin County Civic Center, 3501 Civic Center Drive, Suite 308, San Rafael, CA in Conference Room 410B.

The Construction Event Of The Year



2018 REDWOOD EMPIRE CONSTRUCTION TECHNOLOGY EXPO

PRODUCT SHOW

Hosted food and bar
Meet industry representatives, consultants and distributors

DOOR PRIZES

Network and grow your business
Parking and Admission are FREE for all events

Check for updates at: <http://redwoodempire.csinet.org/Stay-Informed/Construction-Technology-Expo>

DATE & TIME

Thursday, March 22, 2018
Seminar: 1:30pm to 4:00pm
Product Show: 4pm to 8pm

LOCATION

Veterans Memorial Auditorium
1351 Maple Avenue
Santa Rosa, CA

The RECSI Expo Seminar will introduce and discuss Zero Net Energy (ZNE) fundamentals and practices.

What is ZNE?

How does ZNE impact energy use and building performance?

How do we meet the energy needs of a building?

EDUCATION SEMINAR & PANEL DISCUSSION Zero Net Energy for Residential New Construction

Ann Edminster, Bay Area Regional Energy Network

A panel of local design, utility, and construction professionals will discuss ZNE after the seminar.

Project Status Report (PSR)

The **Project Status Report (PSR)** is a simple, one-page document used by Building Officials to verify Title 24 Compliance. The **PSR** is a CEC-approved document that lists the required HERS Measures and the completion status of those measures. **PSR** forms are available for any project that requires a CF1R, including Residential, Non-Residential, Alterations, and New Construction projects.



Project Status Report CalCERTS, Inc. 1 of 2

GENERAL INFORMATION

Code Year Standards: 2013
 Project Name: SFR Acres 2013
 Project Type: New Construction SFR
 Address: [Redacted]
 City / State / Zip: Folsom / CA / 95630
 Enforcement Agency: City of Citrus Heights
 Permit Number: 1

HERS VERIFIABLE MEASURES: **NOT COMPLETE**

OVERALL STATUS: **NOT COMPLETE**

CF1R INFORMATION - Certificate of Compliance

Certificate Type: Compliance
 Registered Form: CF1R-PSR-01
 Registered Date: 11/27/2014 14:11
 Registration Number: 215-N0073854A-00000000-0000

ADDITIONAL CF1Rs

System	Form	Registered Date	Registration Number
CF1R-SRA-01		11/27/2014 17:44	215-N0073857C-00000000-0000
CF2R-ENV-01 (Fenestration Installation)		04/28/2016 18:18	215-N0073854A-01000018-0000 (DEV INSTALLERS &)
CF2R-ENV-02 (Envelope Air Sealing)		04/08/2016 18:18	215-N0073854A-02000018-0000 (DEV INSTALLERS &)
CF2R-ENV-03 (Insulation Installation)			215-N0073854A-03000018-0000
CF2R-ENV-04 (Roofing/Radiant Barrier)			215-N0073854A-04000018-0000
CF2R-ENV-20 (Building Leakage Diagnostic Test)			215-N0073854A-05000018-0000
CF2R-ENV-21 (QI-AIS-Belt, Loose Fill, and SPF)			215-N0073854A-06000018-0000 (DEV INSTALLERS &)
CF2R-ENV-22 (Caulk Installation Sealing)			215-N0073854A-07000018-0000
CF2R-ENV-23 (QI-Installation)			215-N0073854A-08000018-0000
CF2R-ENV-24 (Space Conditioning Systems, Ducts and Fans)		04/08/2016 18:18	215-N0073854A-09000018-0000 (DEV INSTALLERS &)
System 1	CF3R-MCH-20 (Duct Leakage)		215-N0073854A-10000018-0000 (DEV INSTALLERS &)
System 1	CF3R-MCH-23 (Airflow)	06/08/2016 16:16	215-N0073854A-11000018-0000 (DEV INSTALLERS &)
System 1	CF3R-MCH-26 (Ratol Equipment)		215-N0073854A-12000018-0000

← QR Code to Scan on Mobile Device

← Status Summary

← Red Dot = Incomplete

← Green Dot = Complete



ENFORCEMENT AGENCIES can easily access the **PSR** through the CalCERTS Registry or by scanning the QR code on any compliance forms associated with the project. Once the **PSR** is accessed, Building Officials can review the CF1R, CF2R, and CF3R forms through the links in the **PSR**. Any existing Signature Agreements may also be reviewed.

When a project is ready for final inspection, both the **"HERS VERIFIABLE MEASURES"** and the **"OVERALL STATUS"** will be marked **"Complete."** Using the convenience of the red and green dots, Building Officials can quickly determine whether all required forms have been registered and completed before scheduling a final inspection.



The **PSR** can be easily downloaded or printed by Building Officials, Builders, Contractors, and HERS Raters. The 2016 Building Standards require all HERS Providers to have a **PSR** available to Enforcement Agencies.

Accessing the PSR

To Access the PSR, Building Departments must be registered with CalCERTS. To register go to www.calcerts.com and select **REGISTER** at the top of the page. Next, select "I am a BUILDING DEPARTMENT/ ENFORCEMENT AGENCY for a City or County."



Welcome to CalCERTS

In order to get you to the correct Registration Process, please identify your business:

- I want to sign up for a certification class and I need a Training Account
- I am a BUILDER/ARCHITECT of New Construction Homes needing to register and/or approve CFIRs
- I am an ENERGY CONSULTANT or a DESIGNER needing to Register CFIRs for New Construction
- I am a CONTRACTING INSTALLER with a valid CSLB License needing to Register CFIR-ALT-HVAC AND/OR process Installation Certificate CF-6R or CF-2R forms.
- I am a HOME OWNER
- I am a BUILDING DEPARTMENT/ENFORCEMENT AGENCY for a City or County

If none of these apply to you please contact our office directly.

Building Official Selection →

Once registered, Building Officials can log in to the CalCERTS Registry and the Project Lookup Page will automatically load.

Johnny BuildingDept logged in [\[Logout\]](#)
[\[My Info\]](#)

Welcome to the CalCERTS Compliance Lookup Registry.

You can use this tool to search our registry for CEC Registered Compliance Status.

Please select a Building Department from the list below and a Search Type.

Building Department: Sulsun City (City)


Search Type:

- CEC Registration Number
- CalCERTS Certificate #
- Street Address
- HERS Rater (Name)
- HERS Rater (CalCERTS, ID #)
- Building Department Permit #

Building Officials may search for projects in their jurisdiction using any of the following criteria:

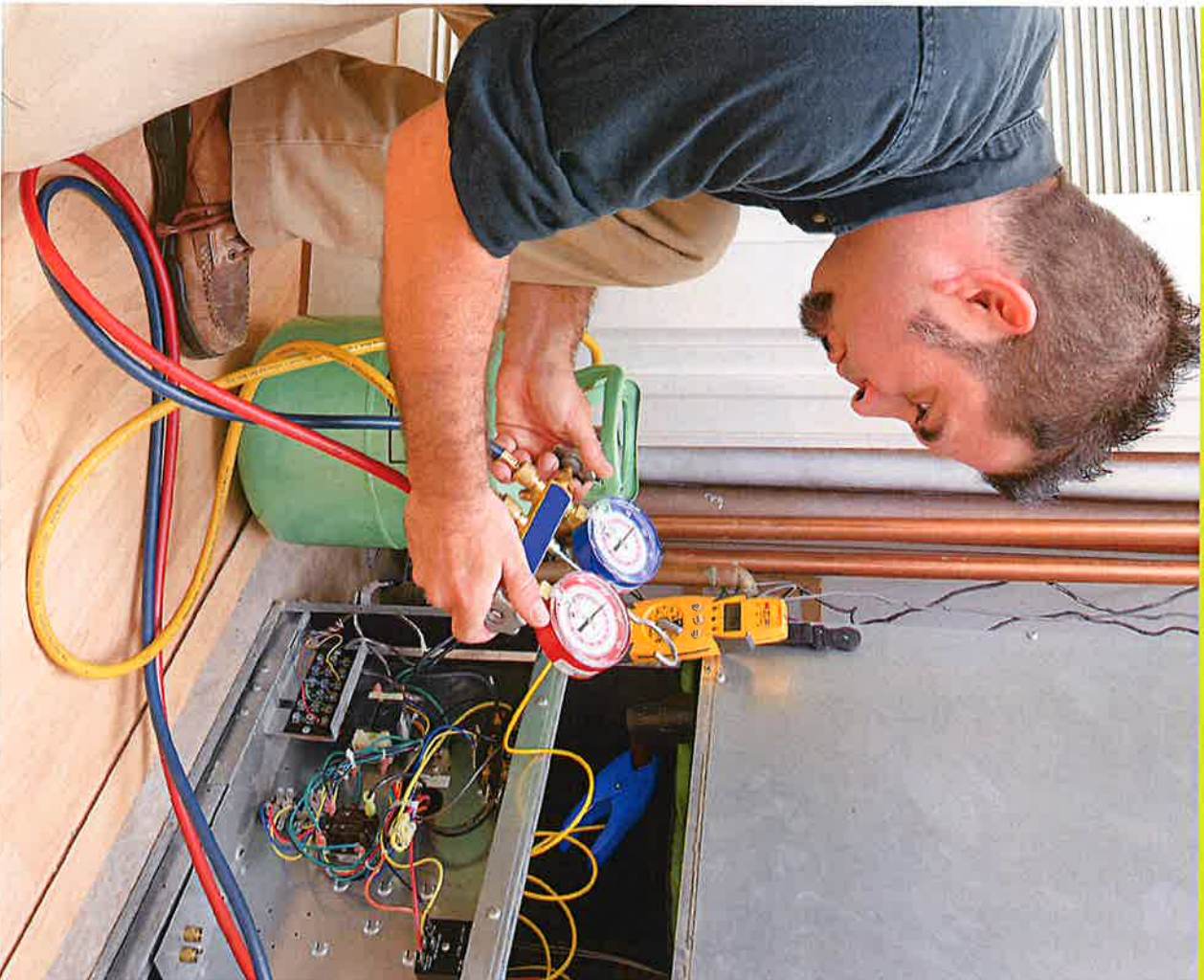
The Permit Number

- The CEC Registration Number
- The CalCERTS Certificate Number
- Street Address
- The Name of the HERS Rater for the Project
- The ID # of the HERS Rater for the Project

Once a project is selected, the **PSR** page will load. Simply select the pdf icon  to download.



Heat Pumps for Space and Water Heating: Applications and Considerations



Class Description: This all-day class will provide an overview of electric heat pumps for space heating, including both ducted and ductless systems, as well as heat pumps for water heating. The space heating discussion will touch on installation best practices, refrigerant management, and indoor air quality issues. The water heating portion will cover installation best practices and interaction with other water heating equipment such as solar thermal and recirculation systems.

Instructor: Dan Pernuko, Balance Point Home Performance

Hosted by: MCE and Sonoma Clean Power

Location: The North Coast Builder's Exchange, 1030 Apollo Way, Santa Rosa, CA 95407

Date and Time: Tuesday March 13, 2018 | 9:00 AM to 5:00 PM

To register, please call (707) 542-9502

Presented by:





BayREN Codes & Standards Regional Forum

Increasing Reliability and Resiliency with Microgrids: How to Implement from Design to Interconnection

Date: Tuesday March 27, 2018, 8:30AM – 12PM
(complimentary breakfast from 8:30AM – 9AM)

Venue: Bay Area Metro Center, 375 Beale Street, San Francisco
For those who can't attend in person, a webinar option is available.

The Bay Area Regional Energy Network (BayREN) Codes & Standards team invites you to register for our upcoming regional forum: *"Increasing Reliability and Resiliency with Microgrids: How to Implement from Design to Interconnection."*

Microgrids are localized grids that have the potential to improve reliability and resiliency of the grid, offer a backup energy solution for communities during grid outages, and contribute to achieving California's clean energy future. This forum aims to help local governments, utilities and the private sector understand the benefits of microgrids, what to expect when planning a microgrid and how to navigate some of the complexities of creating a feasible design model. Presentations will include an update on the State's microgrid roadmap, project case studies and resources available to support the design process.

Confirmed Presenters:

Anthony Ng, Energy Commission Specialist, Energy Deployment & Market Facilitation Office, California
Energy Commission

Daniel Hamilton, Sustainability Manager, City of Oakland

Greg Thompson, Community Microgrid Initiative Director, Clean Coalition

Katie Van Dyke, Climate Action Program Manager, City of Berkeley
Performance Excellence in Electricity Renewal (PEER), USGBC
Pacific Gas and Electric (PG&E)

Panel Moderator:

Dr. Frank Wasko, Program Director, Clean Coalition

For more information and to register visit: www.bayrencodes.org/events



NONRESIDENTIAL

Including high-rise residential & hotel/motel projects

ACCEPTANCE TESTING



**CALIFORNIA
ENERGY COMMISSION**

When is acceptance testing required?

- Acceptance testing is mandatory for certain nonresidential lighting, mechanical, fenestration, covered processes, and controls.
- Acceptance testing applies when regulated systems or controls are installed in newly constructed buildings, additions, and alterations.
- Any acceptance testing that is required will be specified on the NRCC(s).

Who can conduct acceptance testing?

- Only a lighting Acceptance Test Technician (ATT) certified by an ATT Certification Provider (ATTCP) may perform testing for indoor and outdoor lighting systems and controls.
- The builder, contractor, engineer, or commissioning agent may perform testing for HVAC, fenestration, covered processes, and controls.
- A mechanical ATT certified by an ATTCP will be required to perform testing for HVAC systems and controls when the industry thresholds in § 10-103.2 are met.

How do I find an ATT?

- ATTCPs approved by the Energy Commission maintain a directory of certified ATTs on their respective websites (provided on back of this card).
- Search filters, like name and county, are available to make finding an ATT in your area easier.

Approved ATTCPs as of January 2017

ATTCP	Type	Certified ATT Required	Website
CALCTP	Lighting	YES	www.calctp.org
NLCAA	Lighting	YES	www.nlcaa.org
CSPTC	Mechanical	NO	www.calpipes.org
NEBB	Mechanical	NO	www.nebb.org
NEMIC	Mechanical	NO	www.attcp.org

For more information visit: <http://www.energy.ca.gov/title24/attcp/>

Have questions? Contact the Energy Standards Hotline.

Email at: title24@energy.ca.gov
(800) 772-3300 (toll-free in California) (916) 654-5106 (outside California)

When is **HERS testing/verification** required?

- **Home Energy Rating System (HERS)** testing is mandatory for all newly constructed buildings, and is prescriptively required for most HVAC alterations.
- Some mechanical, envelope, and water heating systems require HERS testing when modeled for compliance credit under the performance approach.
- Any HERS testing that is required for a project will be specified on the CF1R.

Who can conduct **HERS Testing**?

- Only a HERS Rater who is certified by a HERS Provider may perform HERS testing required under the Energy Standards.
- A HERS Rater can be certified to complete HERS testing for new construction (including additions) and/or alteration projects

How do I find a **HERS Rater**?

- HERS Providers approved by the Energy Commission maintain a directory of certified HERS Raters on their respective websites (provided on the back of this card.)
- Search filters, like project type and county, are available to make finding a HERS Rater in your area easier.

NOTE: Duct leakage testing by a HERS Rater is prescriptively required for smaller nonresidential HVAC systems (see § 140.4 (l))



RESIDENTIAL

HERS TESTING

For the 2016 Energy Standards



CALIFORNIA ENERGY COMMISSION

Approved HERS Providers as of January 2017

2016 Energy Standards				
Providers	Newly Constructed or Additions	Alterations	Whole House Program	Websites
CalCERTS	Yes	Yes	Yes	www.calcerts.com
CHEERS	Yes	Yes	No	www.cheers.org

For more information visit: www.energy.ca.gov/HERS/providers.html.

Have questions? [Contact the Energy Standards Hotline.](tel:18007723300)

Email at: title24@energy.ca.gov

(800) 772-3300 (toll-free in California) (916) 654-5106 (outside California)