



Local Governments Empowering Our Communities

BayREN Regional Forum

Building Resilience:

Keeping the Lights on in an All-Electric Future

September 20, 2023



Programs

- Single Family Home+
- Green Labeling
- Bay Area Multifamily Building Enhancements (BAMBE)
- BayREN Business
- Water Upgrades \$ave
- Codes and Standards

www.bayren.org

Codes and Standards

Joint effort of Bay Area local governments to support the development and implementation of tools, best practices, trainings, and policies for accelerating compliance with, and exceeding, California Title 24, Part 6.

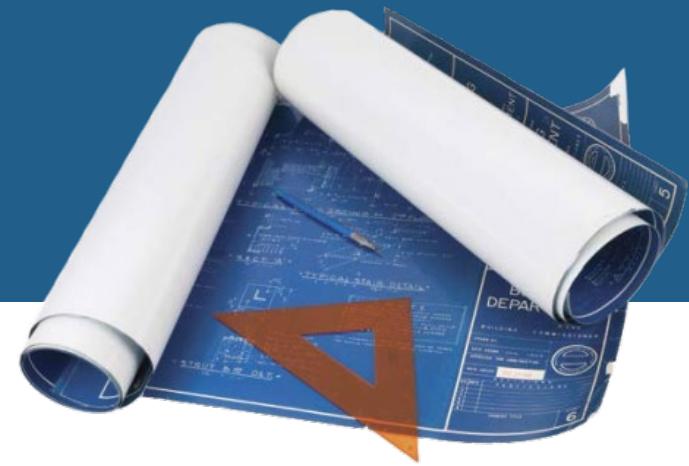
Two Broad Areas of Effort

- **Compliance Improvement:** Investigate areas for improvement in code enforcement processes & offer solutions
- **Policy:** Share best practices & develop regional resources for going above code



source: Contra Costa County DCD

Codes and Standards



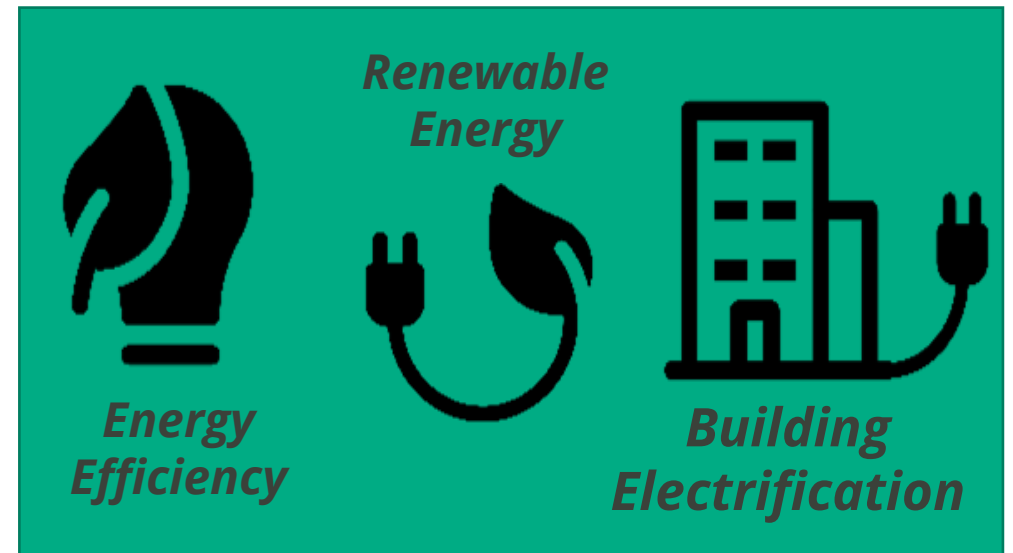
Energy Code Trainings

- **Free in-person or live online** trainings on Energy Code Compliance
 - 60-90 minutes in length; can be scheduled for staff meetings
 - ICC CEUs for building department staff
- **On-demand** *Heat Pump HVAC* and *Heat Pump Water Heater* trainings now available
- Scheduled sessions can be viewed at <https://www.bayren.org/events-training> and include:
 - 10/10: Heat Pump Water Heaters for Building Departments

Codes and Standards

Municipal ZNE/ZNC Technical Assistance

- **Technical Assistance:** BayREN provides free engineering technical assistance and resources to help local governments save energy and money while reducing their carbon footprints by moving towards Zero Net Energy (ZNE) or Zero Net Carbon (ZNC) with their buildings.
- **Municipal ZNE RFP and OPR Template Language:** Request for proposal (RFP) and owner project requirements (OPR) template language for local governments to encourage developers to construct new municipal buildings to ZNE.

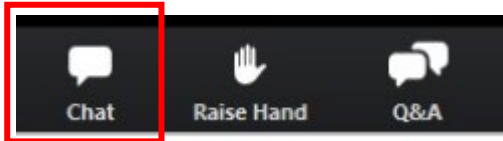


Zoom Meeting How To's

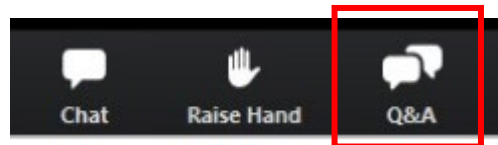
- Video camera not needed.
- Please use the chat feature to interact with panelists and other participants.
- Please use Q&A function or raise hand function if you have a question or comment.
- We will break for questions at the end of each session.

Zoom Meeting How To's

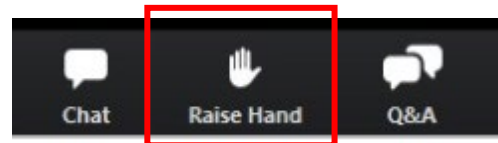
- Chat in lower left-hand corner



- Q&A button at right side of tool bar



- Raise hand button in middle of tool bar



Disclaimer

The views expressed in these presentations are those of the author(s) and do not necessarily reflect the position of the Association of Bay Area Governments, the Bay Area Regional Energy Network or the jurisdictions that BayREN represents. Any questions pertaining to the views and information in the presentations should be directed to the author(s).

Presentations & Materials

All presentations & materials will be emailed to you after the Forum and available at <https://www.bayren.org/events-training>

Meeting Agenda

9:00 am Introduction to BayREN Forum

9:20 am Building a Resilient All-Electric Home

9:40 am Home-Scale Resilience

- Passive House and Energy Efficiency for Resilience
- Vehicle to Grid Technology
- Heat Pump Water Heaters & Load Shifting

10:25 am Q&A

10:45 am 15 min. Break

11:00 am Community Scale Resilience

- CCA's Role in Reliability and Resilience
- BayREN's Resilient Libraries Network Initiative

11:35 am Q&A

11:55 am Closing Remarks

BayREN County Reps



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The Building Resilience in Context



Building a Resilient All-Electric Home

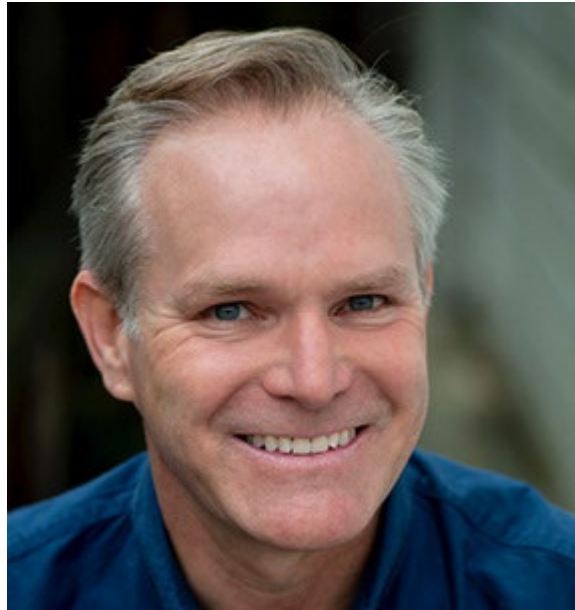


Dave Giudice

Chief Building Official
County of Napa, California

Home-Scale Resilience

Passive House and Energy Efficiency for Resilience



Graham Irwin, AIA, CPHC

Principal

Essential Habitat Architecture

Home-Scale Resilience

Vehicle to Grid Technology



John Sarter

West Coast Smart Home Integration Partner (SHIP) Onboarding and Support Lead
dcbel

Home-Scale Resilience

Heat Pump Water Heaters & Load Shifting



Emily Kehmeier

Senior Project Manager
Energy Solutions

Q&A

Break
Back at 11:02am

Community Scale Resilience

CCA's Role in Reliability and Resilience



Sebastian Conn

Senior Community Development Manager
MCE Clean Energy

Community Scale Resilience

BayREN's Resilient Libraries Network Initiative



Aleka Seville

Founder and Principal
Collective Strategies Consulting



Rachel Jacobson

Deputy Director
American Society of Adaptation Professionals (ASAP)

Q&A

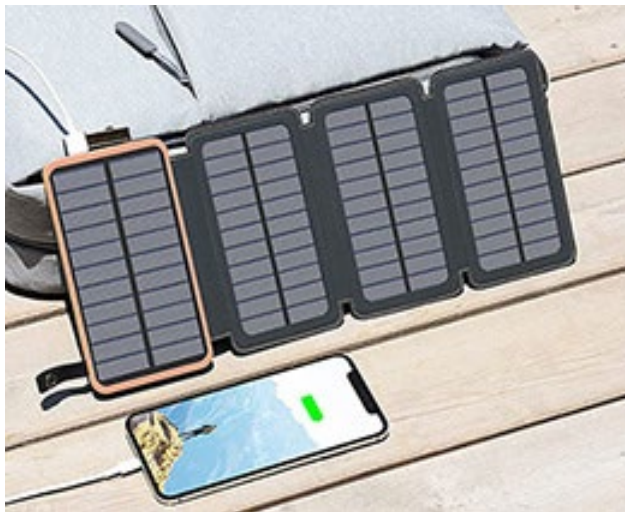
Resources

- Slides will be posted at www.bayren.org/events/building-resilience-keeping-lights-all-electric-future-2023-09-20

Enjoy the Event (or Not)?

Please Complete Our Feedback Survey

- Please check your email and follow the link to our survey:
<https://forms.gle/BkWuymyUSbYT4BBD8>
- Respondents will be entered into a giveaway for a solar phone charger!



Thank you!

