



Local Governments Empowering Our Communities

# BayREN Regional Forum

The Grid: What is it and Should it Shape Policy for All-Electric Buildings?

June 21, 2023



# Programs

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

[www.bayren.org](http://www.bayren.org)

# Codes and Standards

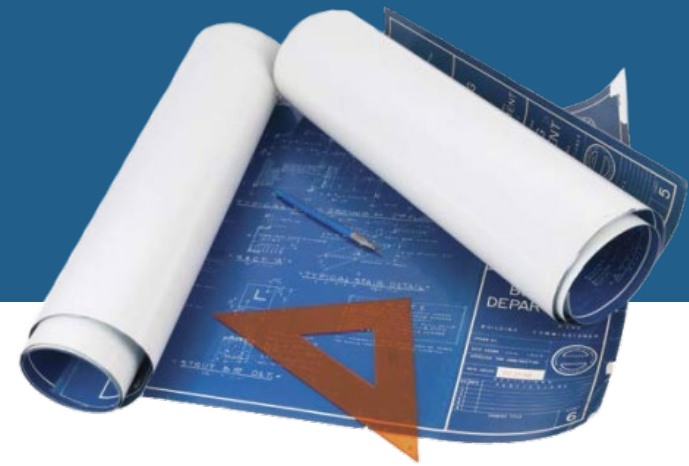
Joint effort of Bay Area local governments to support the development and implementation of tools, best practices, trainings, and policies for accelerating compliance with, and exceeding, California Title 24, Part 6.

## 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



# Codes and Standards



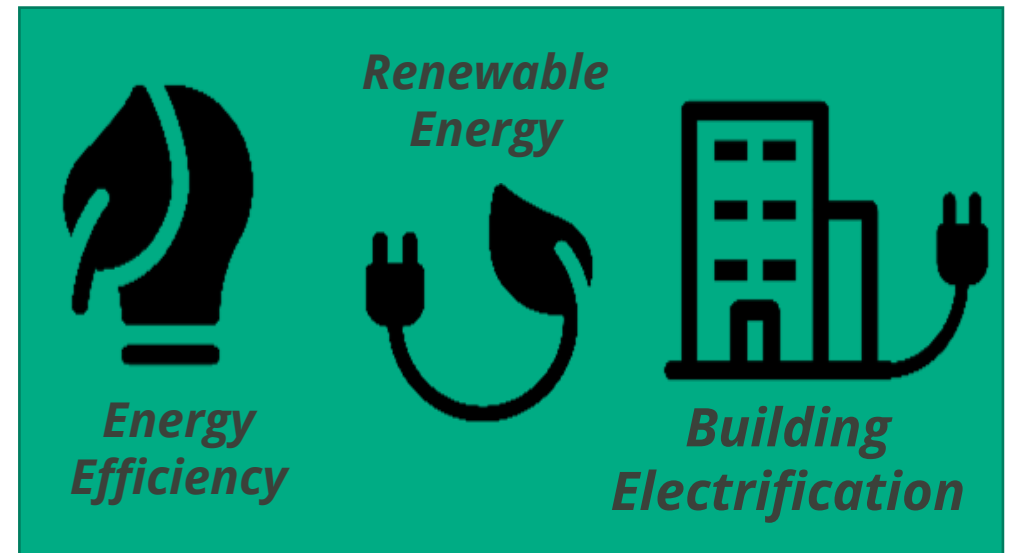
## Energy Code Trainings

- **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 Water Heater training now available
- Scheduled sessions can be viewed at <https://www.bayren.org/events-training> and include:
  - 6/28: 2022 Energy Code – Solar PV and Battery Standards w/CEC
  - 7/12: Nonresidential Tenant Improvements and Alterations

# 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

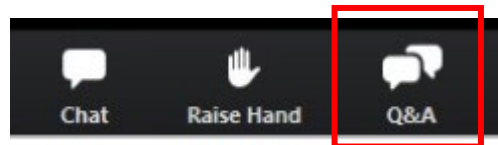
- Video camera not needed.
- Please use the chat feature to interact with panelists and other participants.
- Please use Q&A function or raise hand function if you have a question or comment.
- We will break for questions at the end of each session.

# Zoom Meeting How To's

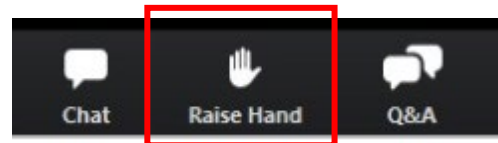
- Chat in lower left-hand corner



- 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** Local Government Approaches to Concerns about the Grid

- Contra Costa County
- County of San Mateo
- City and County of San Francisco

**9:55 am** Q&A

**10:15 am** 10 min. Break

**10:25 am** Electric Grid Fundamentals

**10:50 am** State and Utility Level Grid Planning

- CEC Reliability and Electrification Efforts
- Grid Planning Overview

**11:30 am** Q&A

**11:55 am** Closing Remarks

# BayREN County Reps



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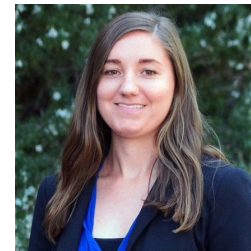
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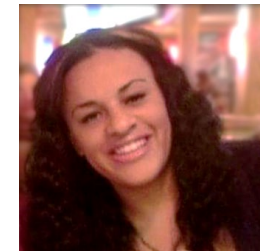
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# The Grid in Context



# Local Government Approaches to Concerns about the Grid

## Contra Costa County



**Demian Hardman-Saldana**

Energy & Sustainability

Contra Costa County

# Local Government Approaches to Concerns about the Grid

County of San Mateo



**Avana Andrade**

Senior Sustainability Specialist

County of San Mateo

# Local Government Approaches to Concerns about the Grid

City and County of San Francisco



**Barry Hooper**

Senior Green Built Environment Coordinator  
City and County of San Francisco



Q&A

Break  
10 min

# Electric Grid Fundamentals



**Peter Turnbull**

Principal & Owner

Peter Turnbull & Associates LLC

# State and Utility Level Grid Planning

CEC Reliability and Electrification Efforts



**Stefanie Wayland**

Load Management Standards Lead  
California Energy Commission

# State and Utility Level Grid Planning

## Grid Planning Overview



**Jennifer Goncalves**

Supervisor of Electric Distribution Planning  
PG&E

Q&A

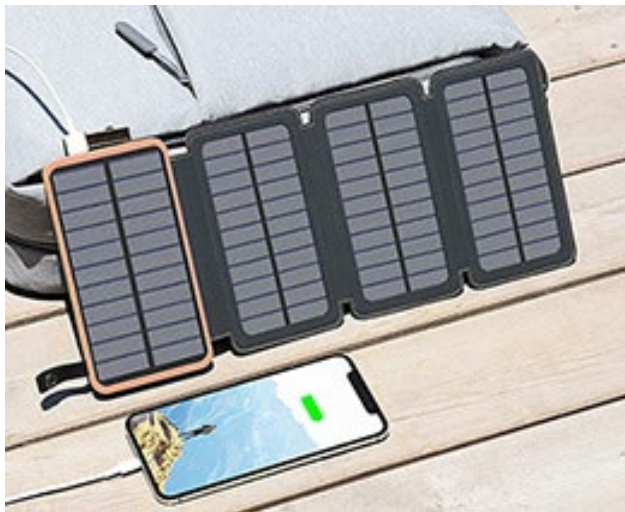
# Resources

- Slides will be posted at [www.bayren.org/events/grid-what-it-and-should-it-shape-policy-all-electric-buildings-2023-06-21](http://www.bayren.org/events/grid-what-it-and-should-it-shape-policy-all-electric-buildings-2023-06-21)

# Enjoy the Event (or Not)?

## Please Complete Our Feedback Survey

- Please check your email and follow the link to our survey:  
<https://forms.gle/mdZgQxkSsfuFA7i57>
- Respondents will be entered into a giveaway for a solar phone charger!



*Thank you!*

