



Local Governments Empowering Our Communities

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

March 27, 2018

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).

Meeting Agenda

8:30am – 9:00am

9:00am – 9:15am

9:15am – 9:35am

9:35am – 10:00am

10:00am – 10:20am

10:20am – 10:45am

10:45am – 11:00am

11:00am – 11:15am

11:15am – 11:50am

11:50am – 12:00pm

12:00pm – 12:15pm

Continental Breakfast & Networking

Welcome and Introductions

- Andrea Chow and Rachael Londer, BayREN Representatives, County of San Mateo

California Energy Commission Microgrid Roadmap Update

- Anthony Ng, Energy Commission Specialist, CEC

Oakland EcoBlock

- Daniel Hamilton, Sustainability Manager, City of Oakland

Ready, Set, Resilience: Berkeley Energy Assurance Transformation

- Katie Van Dyke, Climate Action Program Manager, City of Berkeley

North Bay Community Resilience Initiative: The Path to Resilience and Sustainability

- Greg Thomson, Community Microgrid Initiative Director, Clean Coalition

PG&E – Microgrid Configuration Categories

- David Rubin, Director of Strategy Formulation, Pacific Gas and Electric

USGBC – Assessing & Verifying Microgrids through PEER

- Brenden McEneaney, Regional Director - Pacific, USGBC

Panel Session – Microgrid Opportunities and Challenges for Local Governments

- Moderator: Dr Frank Wasko, Clean Coalition
- Panel: Anthony Ng, Daniel Hamilton, Katie Van Dyke, David Rubin, Brenden McEneaney

Closing Comments

- Rachael Londer, BayREN Representative, County of San Mateo

Break and Networking

BayREN (Bay Area Regional Energy Network)



- Comprised of public agencies representing all nine counties in the Bay Area
- Draws on the expertise, experience, and proven track record of local agencies and their staff
- One of only two regional energy networks in California
- Funding provided by the California Public Utilities Commission (CPUC)

Programs

- Single Family Home Upgrade Program
- Bay Area Multifamily Building Enhancement Program
- Financing
 - Pay-as-You-Save Water Efficiency
 - Commercial PACE
- Codes and Standards



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, the California energy code.

Codes and Standards

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

Examples of BayREN Projects

- **Training:** Provide support for building inspectors and other building industry representatives at **no-cost** to better implement energy code
- **Electronic Tools:** Work with local governments and others to develop electronic tools to help interpret, explain, and enforce the energy code and local reach codes
- **Zero Net Energy Municipal Building Support:** Provide template RFP and OPR language, and **no-cost** engineering analysis to local governments to understand cost effectiveness and feasibility



Presentations & Materials

All presentations & materials will be emailed to you and available on the <https://www.bayrencodes.org/events>

UPDATE:

Bay Area Model Solar Ordinance Program

- Presented at Forum last summer, with goal of providing a stepping stone to 2020 goals for residential new construction
- Online resources now include Bay Area model ordinance, staff report template, cost effectiveness study, and more
- Hands-on implementation support is also available
- Adoption in process or under consideration for several Bay Area jurisdictions

