RENs: Lessons Learned & the Future of EE

June 26, 2019
10th Annual Statewide Energy Efficiency Forum
Long Beach
Objectives

1. Learn how the REN programs are being leveraged by CCAs, LGPs and others to address more comprehensive local climate goals like GHG reductions and hard-to-reach residents.

2. Learn how the RENs – or other local government collaborations – can help local communities meet their climate goals.

3. Learn about resources available to jurisdictions – including incentives, building department and codes support, workforce training, community outreach - especially with the statewide reduction in LGP programs.
Agenda

Introductions & Context
Laurel Rothschild

BayREN
Jenny Berg

SoCalREN
Lujuana Medina

3-C REN
Alejandra Tellez

Q&A, Discussion
Moderated by Laurel
Speakers

Laurel Rothschild
Vice President of Energy Programs
The Energy Coalition

Jenny Berg
Assistant Director - Energy Programs Manager
ABAG / MTC

Lujuana Medina
Manager, Environmental Initiatives Section
County of Los Angeles

Alejandra Tellez
Sustainability Officer / Energy Programs Director
County of Ventura

Moderator

3-C REN
First…
a bit about RENs
What is a Regional Energy Network?

Regional EE portfolio administered by local governments

- May 2012: Guidance Decision D.12 -05-015 encouraged local governments to propose regional pilots to the Commission via an application.
- November 2012: Final Decision D.12 -11-015 approved the applications of BayREN and SoCalREN.
- May 2018: Tri-County REN was approved in D.18 -05-041, which also approved the BayREN and SoCalREN Business Plans.
CPUC REN Authorization Criteria

1. Activities that utilities cannot or do not intend to undertake.

2. Pilot activities where there is no current utility program offering, and where there is potential for scalability to a broader geographic reach, if successful.

3. Pilot activities in hard to reach markets, whether or not there is a current utility program that may overlap.
Cost - effectiveness

- RENs as pilots are not required to maintain a 1.0 Total Resource Cost (TRC)
- RENs are directed to be on a “path” toward greater cost-effectiveness over time
- Many REN programs are “non-resource”
- There is currently no method utilized or recognized by the CPUC to measure overall cost-effectiveness for non-resource programs
# REN Snapshot

<table>
<thead>
<tr>
<th>Name</th>
<th>Bay Area Regional Energy Network (BayREN)</th>
<th>Southern California Regional Energy Network (SoCalREN)</th>
<th>Tri-County Regional Energy Network (3-C REN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrator</td>
<td>Association of Bay Area Governments</td>
<td>Los Angeles County</td>
<td>County of Ventura</td>
</tr>
<tr>
<td>Overlapping Program Administrators</td>
<td>PG&amp;E, Marin Clean Energy (MCE)</td>
<td>SCE, SoCalGas, SoCalREN and Lancaster Choice Energy</td>
<td>SCE, SoCalGas, PG&amp;E, SoCalREN</td>
</tr>
</tbody>
</table>
Future of RENs

- March 2019: ALJ Ruling in Rulemaking 13-11-005 Sought Comment on Future of Regional Energy Networks
- Goal: Comments from parties sought by Commission to build record on policy direction for existing and newly-proposed RENs
- Comment Period is now closed
- Anticipate final decision later this year or early next year
Q&A
Jenny Berg
Assistant Director/Energy Programs Manager
SEEC Conference
June 27, 2019
BayREN Structure

California Public Utilities Commission (CPUC)

Pacific Gas & Electric Co. (PG&E)

Association of Bay Area Governments (ABAG)

- Alameda
  - Program Lead: Multifamily/Multifamily CAP

- Marin

- San Francisco
  - Program Lead: Commercial PACE

- Santa Clara

- Sonoma
  - Program Lead: PAYS

- Contra Costa

- Napa

- San Mateo

- Solano

Formal Program Oversight

Fiscal Agent

Program Administrator

Subprogram Implementation by County
**BayREN Governance**

**HOLACRACY VS. HIERARCHY**

**Holacracy** takes powers traditionally reserved for executives and managers and spreads them across all employees.

**SUPER-CIRCLE**
One that contains sub-circles. This could be Marketing.

**ROLE**
A task related to a function. This could be Social Media Producer.

**SUB-CIRCLE**
Each is dedicated to a function. This could be Digital Advertising.

In a traditional **hierarchy**, layers of management establish how products are approved and monitored.

**CEO**

**UPPER MANAGEMENT**

**MIDDLE MANAGEMENT**

**SUPERVISORS**

**STAFF**
Programs

Residential
  Single Family
  Multifamily

Codes & Standards

Financing
  Commercial (SMB)
  Water Bill Savings Program
  Multifamily Capital Advance
BayREN Codes
At-A-Glance: How We Fill Gaps

Compliance Improvement
- On-site energy code trainings tailored for building department staff
- Tools and resources for energy code compliance

Local Energy Policy
- Quarterly forums to share information and best practices
- Reach code support

State Energy Code & Policy Engagement
- Tracking and reviewing state energy code proposals and policies
- Developing and submitting comments
Local Government Collaboration – Examples

Advanced Energy Rebuild Napa

Sonoma County EV Technical Assistance via BAMBE
With a BAAQMD Grant, BayREN (in partnership with the City of Palo Alto and Sonoma Clean Power) will:

- Design single-family midstream incentive
- Engage local energy providers (CCAs and POUs)
- Engage HPWH supply chain actors
- Support workforce education
- Cross-promote with other complementary programs
- Layer a HPWH incentive onto BayREN’s Multifamily program
Our Objective

• Establish uniform program design that can be supported by local energy providers

• Demonstrate Bay Area’s political will to scale up HPWH market

• Leverage these early actions to successfully compete for statewide funding in 2020+
BayREN – Beyond Energy Efficiency
Questions?

Jenny Berg
jberg@bayareametro.gov
(415) 820-7947
The County of Los Angeles/Southern California Regional Energy Network (SoCalREN) was created to harness the collective power of residents, businesses and the public sector to achieve an unprecedented level of energy savings across Southern California.

Learn more about the Southern California Regional Energy Network at [www.socalren.com](http://www.socalren.com)
Our Objective

- Provide comprehensive solutions to public agencies and their surrounding communities
- Build an effective, flexible and collaborative program structure for local governments
- Leverage external resources to provide services and resources beyond energy efficiency
- Become a cost efficient leader
Public Sector Programs’ Enrolled Agencies

- 133 Agency Enrollments
- 87 Cities
- 4 Counties
- 4 Special Districts
- 16 School Districts
- 22 Water Agencies

Eligible population
700+ public agencies in SCE/SCG territories
SoCalREN Programs

**Project Delivery Program**
Supports public agencies to complete energy efficiency projects. Services include audits and technical services, financing support, simplified procurement services, and utility incentive application support.

**Revolving Loan Fund**
Short-term construction financing tool for small to mid-sized projects. Offered as up-front capital at 0% interest, it serves as a flexible and attractive source of capital that can be used in combination with longer term funding.

**Metered Savings Program**
A new way to access SoCalREN’s Project Delivery Program support, the Metered Savings Program uses normalized metered energy consumption (NMEC) to measure energy savings at the meter.

**Pathway to Zero**
Helps agencies on the path to zero net energy by providing a comprehensive view of efficiency and distributed energy resource opportunities for facilities in disadvantaged communities.
SoCalREN Programs

**Multifamily Program**
Seeks to help property owners improve the efficiency of their multifamily buildings by offering financial incentives to offset the cost of custom comprehensive retrofits. Program include audits and technical services, financing support, and incentive application support.

**Residential Community Coordinator**
Companion program to the SoCalREN Multifamily program and will assist the hard-to-reach multifamily market by providing a variety of services to help this targeted segment overcome the traditional barriers to completing building energy upgrades. Utilizes a Single Point of Contact (SPOC) approach but through a public sector touch point.

**Residential Loan Loss Reserve**
Provides credit enhancements for multifamily property owners to support customer comprehensive retrofits and access to capital.

**Single Family Whole Building Hybrid**
(Coming 2020)
This program will seek to support whole building retrofits for single family homes by offering financial incentives and or leveraging an external coupled financing product.
How We Fill Gaps

Providing Comprehensive Solutions

- Dedicated staff support at every stage of a project
- No cost technical assistance and on-going subject matter expertise
- Utility coordination from project inception to project close out

Leveraging External Resources

- Expanded offerings for Residential, Public Sector, and Financing that go beyond energy efficiency

Focused Outreach to Disadvantaged and Hard-to-Reach Communities
Local Government Challenges: A Balancing Act

- Safety
- Affordable Housing
- Sustainability
- Economic Development & Growth
- Family & Child Services
- Homelessness

Local Government
Local Government Challenges: Resource Constraints

- Budgetary prioritization
- Constrained bandwidth of existing staff
- Limited in-house subject matter expertise
- Limited funding sources
Additional Available Value-Added No-Cost Services

Collaboration Opportunities

- **Cross-promotional** opportunities for news articles, eblast highlights, social media posts, and more
- **Awards and recognition** application support, community celebration support (ex: check presentations), support for local case study development and promotion
- **Co-branded** literature and promotional materials
  - A “COG or LG toolkit” with brand guidelines, templates, tools, resources, and more

Resources to Pilot Local Strategies
Local Government Advisory Board

- Regulatory and Advocacy support
  - Tracking and reviewing state energy proceedings and policies
  - Developing and submitting comments or providing regulatory analysis
    
    “Local governments may be unified but are not uniform”

- Grant Partnership and Support services
  - Tracking and reviewing available opportunities
  - Staff resources for applying and or partnering to leverage external funds

- Technical Working groups
  - Facilitate technical workshops
  - Tracking and communicating technical updates on EE implementation
Questions?
Tri-County Regional Energy Network (3C-REN)

Counties of Santa Barbara, Ventura and San Luis Obispo

Alejandra Tellez
Programs Director
SEEC June 27, 2019
Why Create 3C-REN?

CPUC Established
- Ensure ratepayer dollars are spent locally
- Pilot programs IOUs cannot or will not do
- Targeted approach for hard-to-reach customers
- Better coordination of local resources

Regionally Operated
- Leverages unique attributes of local governments
- Commitment to serve communities
- Ability to innovate and adapt
- Connect resources for regional planning

Locally Focused
- Three Authorized Programs: C&S, WE&T, and RES DI
- Designed to reduce energy use and carbon emissions
- Designed to help meet goals of State and local climate action plans
- Tailored to fill IOU service gaps (i.e. hard-to-reach & underserved)
Programs

- Codes & Standards
  + For building professionals and building departments

- Workforce, Education, & Training
  + For building professionals and building departments

- Residential Direct Installation
  + For customers considered hard-to-reach
Timeline for CPUC Approval

1. CPUC opens EE Rolling Portfolio to new REN proposals (Aug 2016)
2. 3C-REN Business Plan submitted (Jan 2017)
3. CPUC approves Business Plan & authorizes 3C-REN as program administrator (May 2018)
4. CPUC approves 3C-REN 2019 Budget (Oct 2018)
5. 3C-REN Programs Launch 2019
3C-REN Timeline

- **CPUC Invitation for New RENs**
  - August 2016

- **Counties Decide to Pursue REN**
  - October 2016

- **Submit Business Plans**
  - January 2017

- **10 Regulatory Filings**

- **CPUC Approval**
  - May 2018

- **Partner Meetings**

- **Stakeholder Meetings**

- **CPUC Weekly Team Meetings**

- **Metrics**
  - July 2018

- **Joint Coordination Memorandum**
  - August 2018

- **Annual Budget Advice Letter**
  - September 2018

- **Implementatio Plans**
  - October 2018

- **CPUC Approval**

- **County BOS Approval**
  - Late Fall 2018

- **Annual Budget Advice Letter Approval**
  - Late Fall 2018

- **REN Program Launch**
  - Early 2019
Investment to Becoming a REN

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
<th>Hours</th>
<th>Ventura Staff Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>$45,967</td>
<td>520</td>
<td></td>
</tr>
<tr>
<td>2018</td>
<td>$95,918</td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>Approval</td>
<td>$66,768</td>
<td>2,025</td>
<td>all Counties = 3.29 FTE</td>
</tr>
</tbody>
</table>
Is it worth it?
Questions

Alejandra Tellez
alejandra.tellez@ventura.org
(805) 654-3835