

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

Lujana 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



Lujana 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

- RENO as pilots are not required to maintain a 1.0 **Total Resource Cost (TRC)**
- RENO are directed to be on a “path” toward greater cost-effectiveness over time
- Many RENO 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

Name	Bay Area Regional Energy Network (BayREN)	Southern California Regional Energy Network (SoCalREN)	Tri-County Regional Energy Network (3-C REN)
Administrator	Association of Bay Area Governments	Los Angeles County	County of Ventura
Overlapping Program Administrators	PG&E, Marin Clean Energy (MCE)	SCE, SoCalGas, SoCalREN and Lancaster Choice Energy	SCE, SoCalGas, PG&E, SoCalREN
Authorized to operate	2013 - 2025	2013 - 2025	2018 - 2025

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



Local Governments Empowering Our Communities



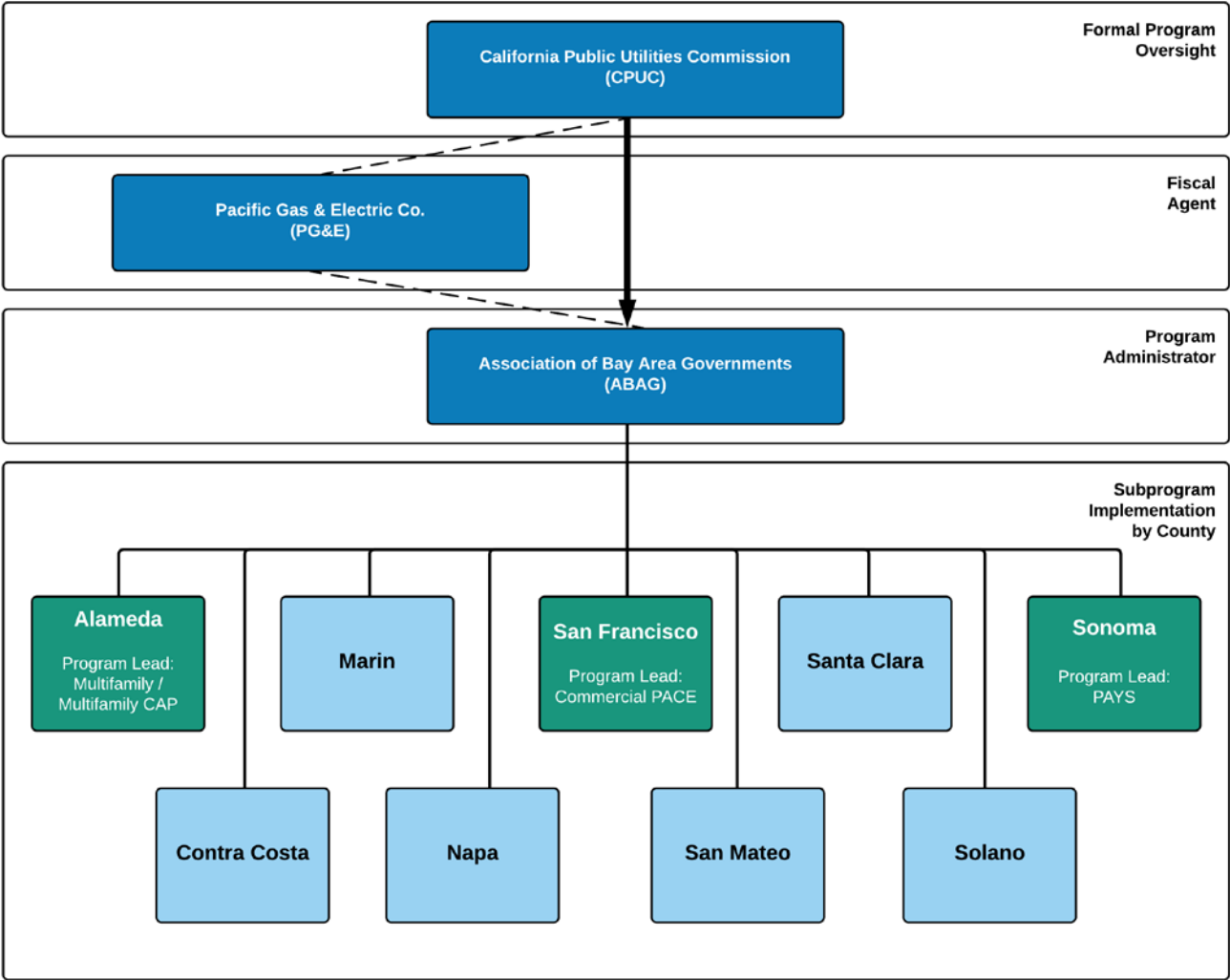
Jenny Berg

Assistant Director/Energy Programs Manager

SEEC Conference

June 27, 2019

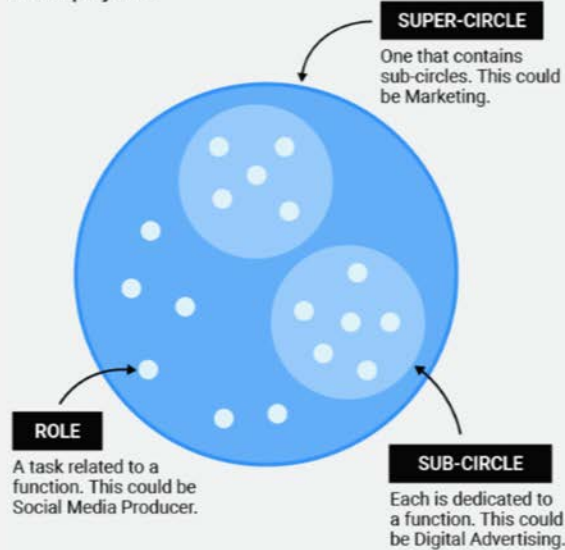
BayREN Structure



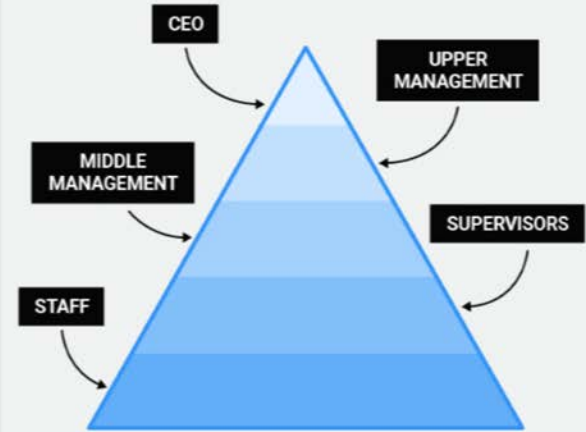
BayREN Governance

HOLACRACY VS. HIERARCHY

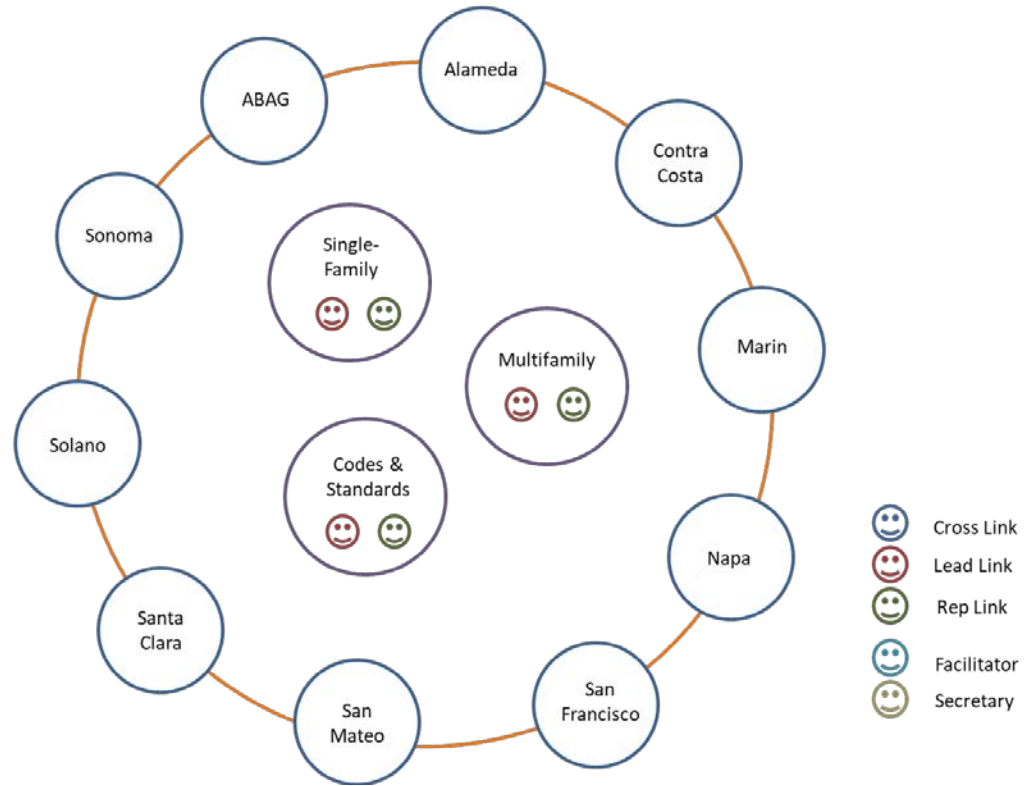
Holacracy takes powers traditionally reserved for executives and managers and spreads them across all employees.



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



BayREN Governance



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



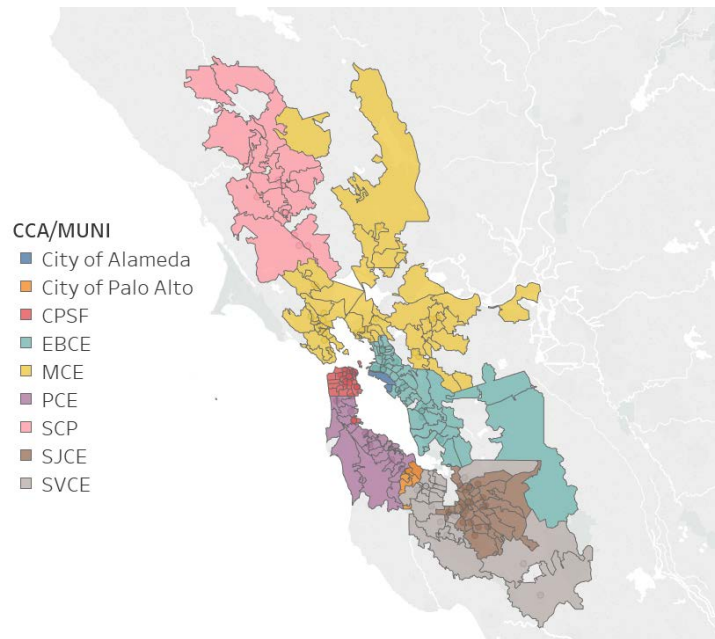
Local Government Collaboration – Regional Heat Pump Water Heater Market Transformation Program

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?

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SoCalREN

Lujana Medina, Environmental Initiatives Manager
Los Angeles County

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Southern California REGIONAL ENERGY NETWORK

The logo features a stylized map of Southern California in dark blue, with a circular arrangement of colorful dots (green, yellow, orange, red, purple) to its right, suggesting a network or energy flow.

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.



Residential



Multifamily



Financing

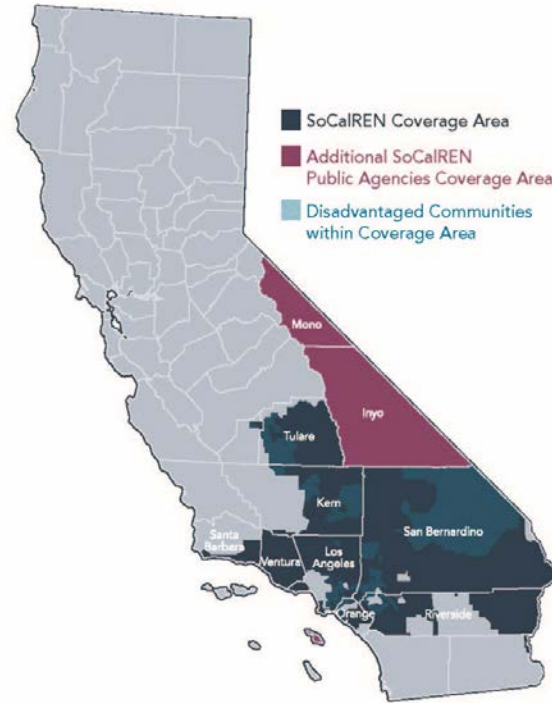


Public Agencies

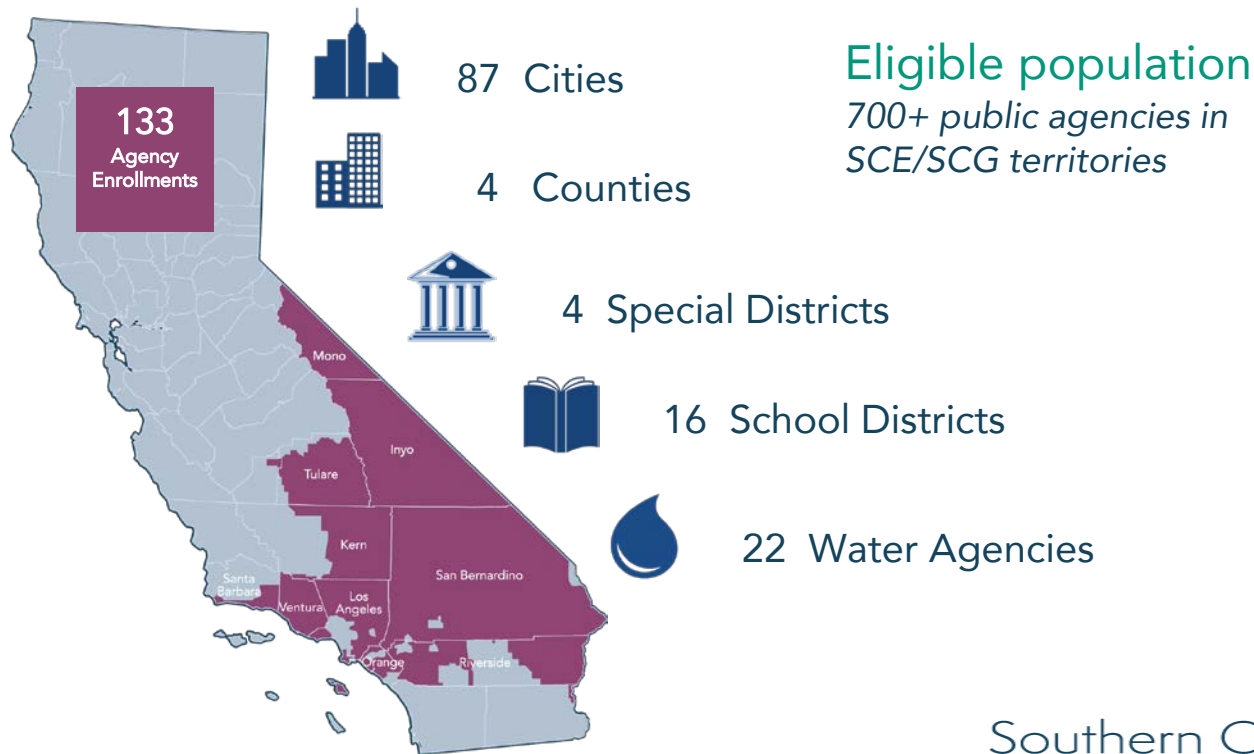
Learn more about the Southern California Regional Energy Network at www.socalren.com

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



SoCalREN Programs



Public Agencies



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



Residential



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



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

SoCalREN Future Actions to Support LG Communities/Territories

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

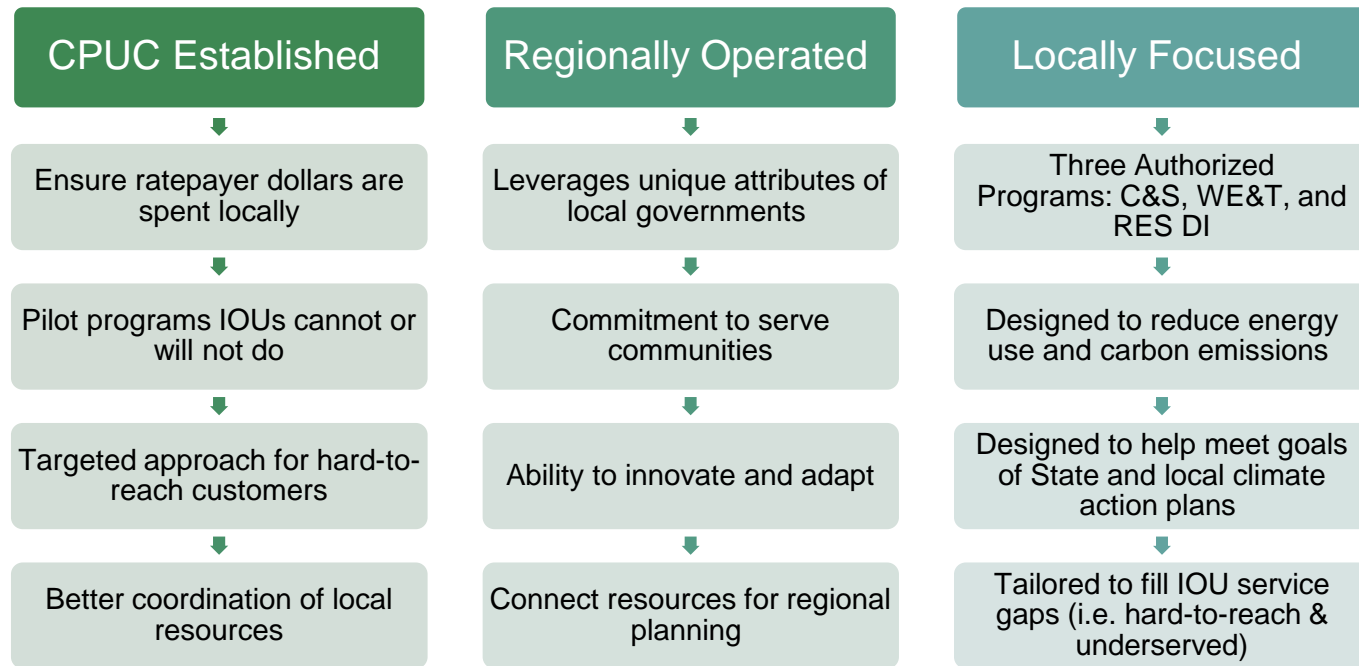


Alejandra Tellez

Programs Director

SEEC June 27, 2019

Why Create 3C-REN?



Programs

- **Codes & Standards**

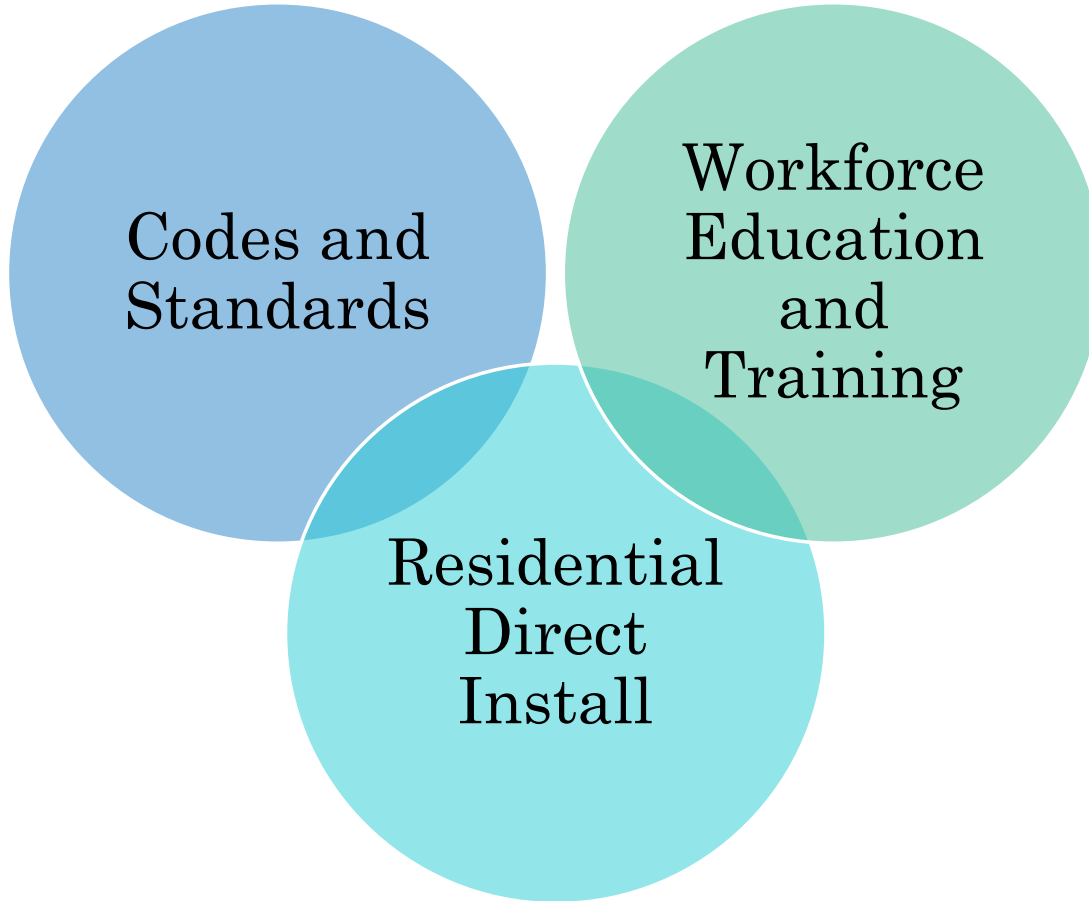
- + For building professionals and building departments

- **Workforce, Education, & Training**

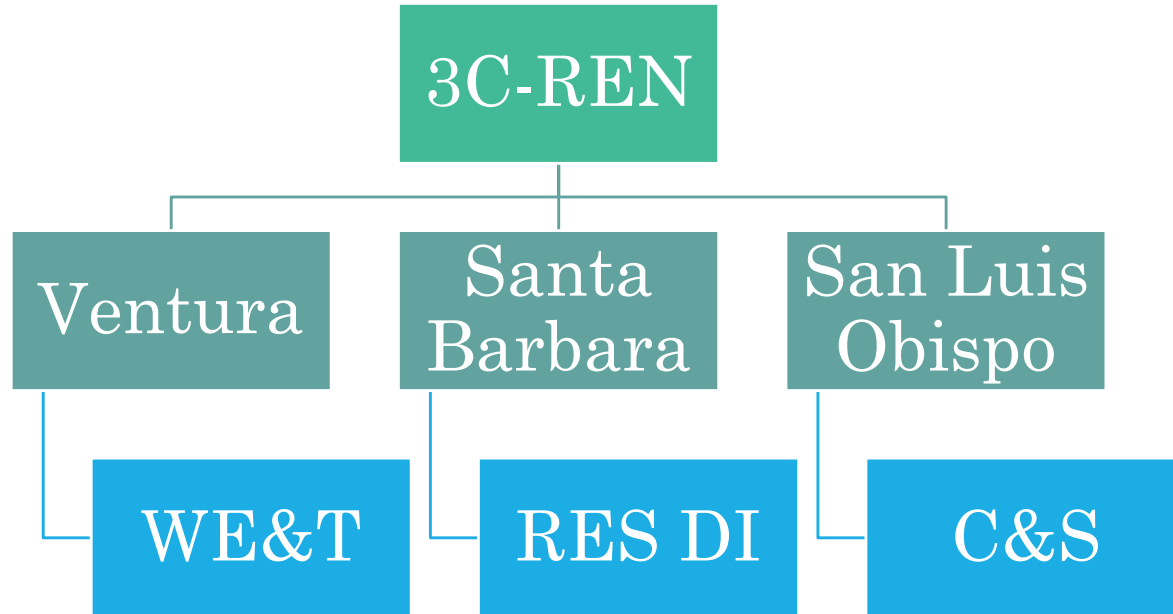
- + For building professionals and building departments

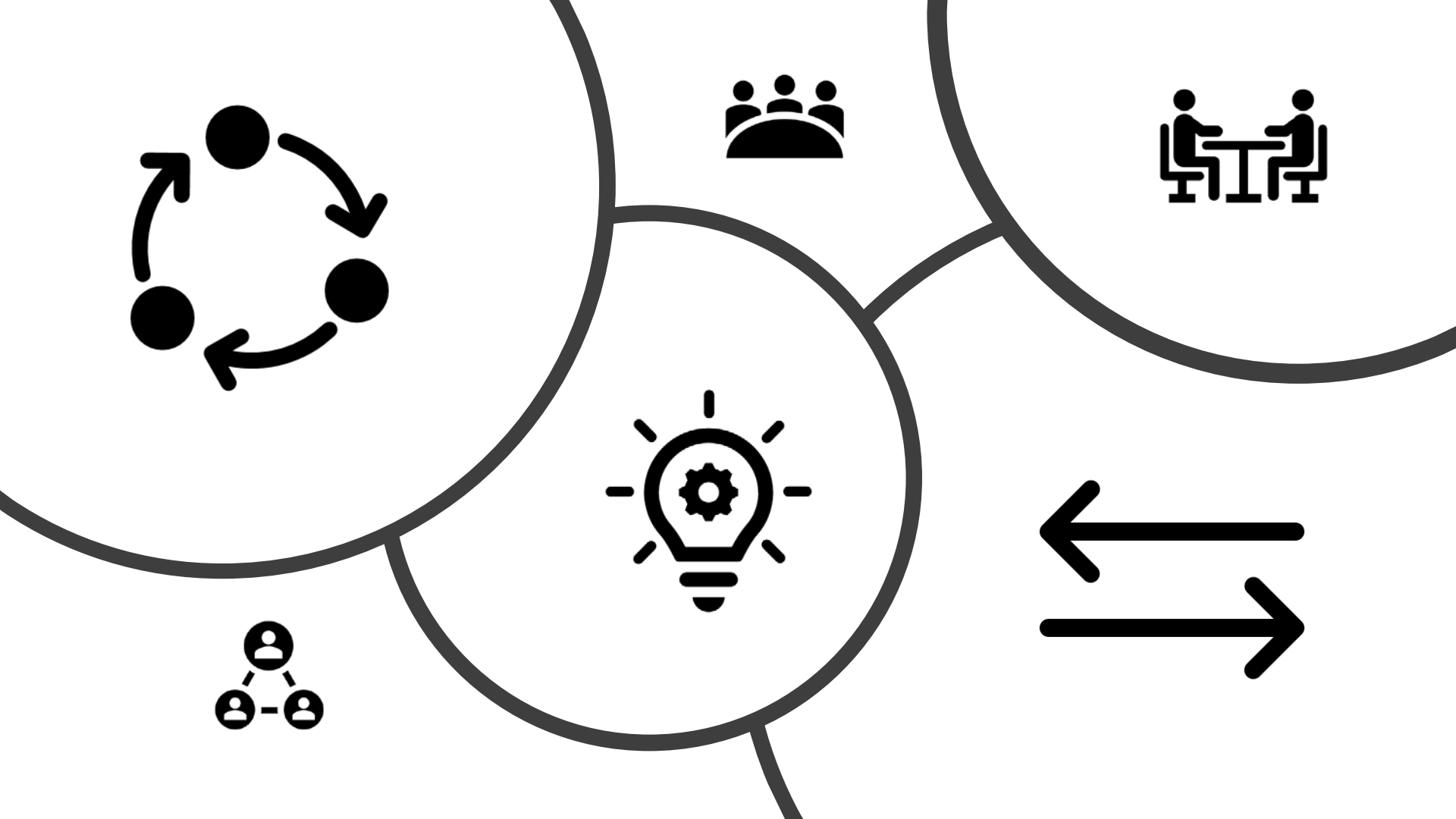
- **Residential Direct Installation**

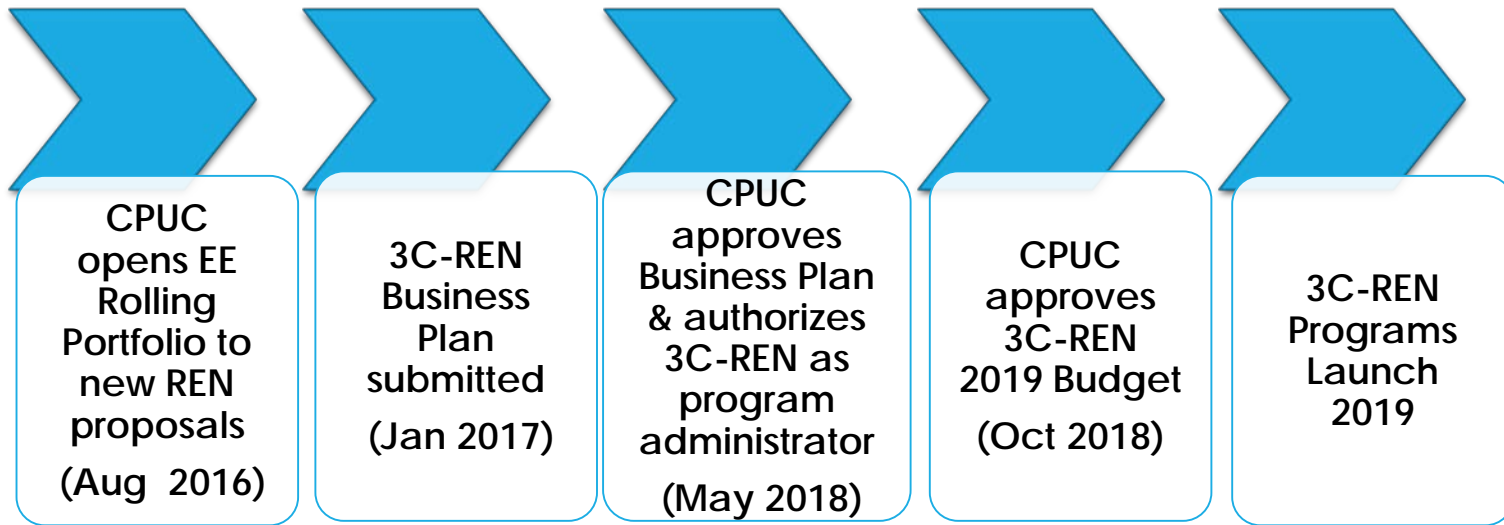
- + For customers considered hard-to-reach



Structure

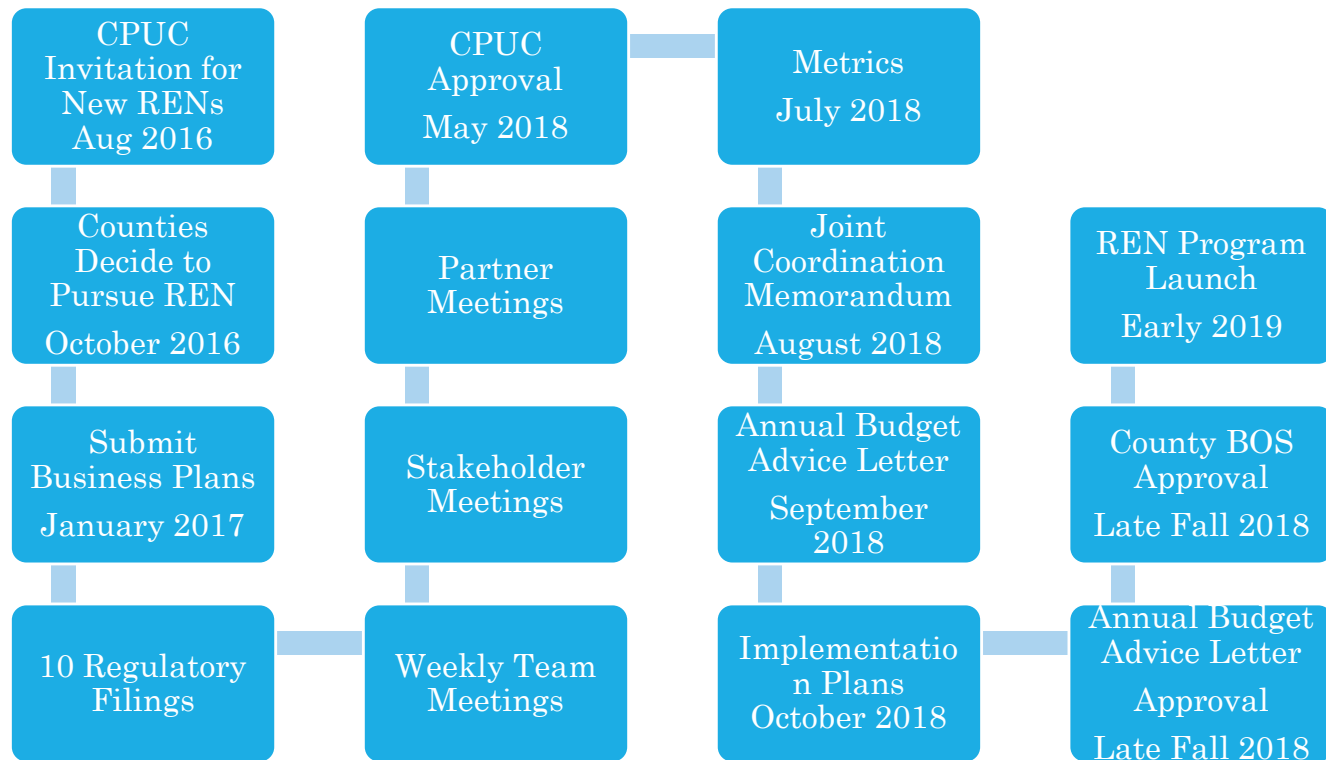






Timeline for CPUC Approval

3C-REN Timeline



2017

- \$45,967
- 520 Hours
Ventura
Staff Time

2018

- \$95,918
- 400 Hours
Ventura
Staff Time

Approval

- \$66,768
- 2,025 Hours
all Counties
= 3.29 FTE

Investment to Becoming a REN

3C-REN

Is it worth it?



Questions

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