

WELCOME



INTRODUCTION TO TRI-COUNTY REGIONAL ENERGY NETWORK

November 7, 2023



Agenda Item No. 56

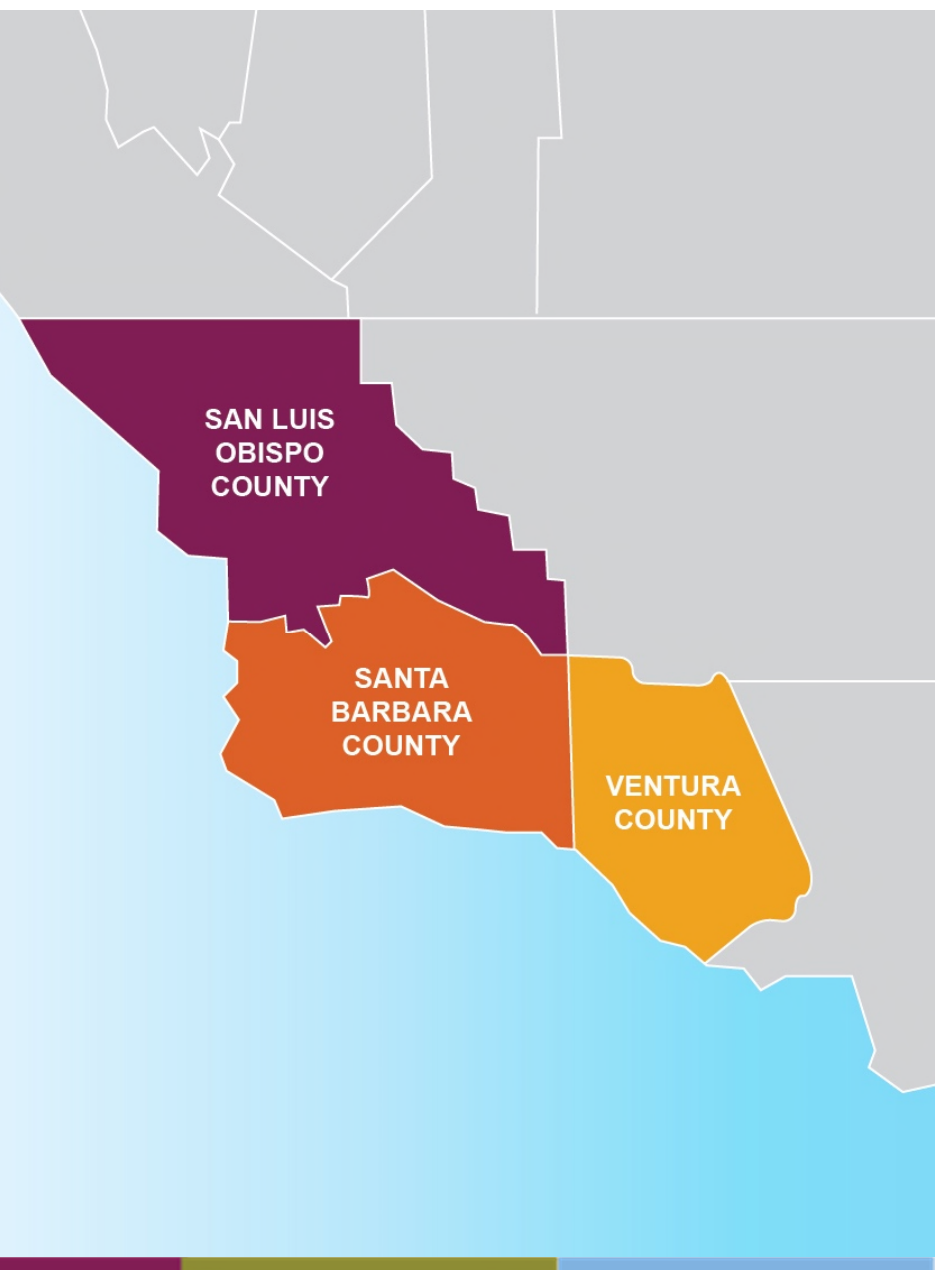
1. Approve the Amendment to the 3C-REN Programs and Budgets Agreement with Southern California Edison, Southern California Gas Company, and Pacific Gas and Electric;
2. Approve the Amendment to the 3C-REN Memorandum of Agreement with Santa Barbara and San Luis Obispo Counties for the Administration and Implementation of 3C-REN Programs;
3. Authorize the CEO to Execute Minor Administrative Amendments to Both Agreements;
4. Approve a Resolution Establishing Three Full-Time Positions for Provision of New Services Associated with the 3C-REN



3C-REN Vision & Mission

Vision: To create a sustainable, equitable, and economically vibrant Central Coast for all.

Mission: 3C-REN supports local climate goals through the delivery of energy saving programs that empower a sustainable local economy and reduce social disparities in the Central Coast.



Overview of 3C-REN

- Three counties working together to improve energy efficiency in the region
- Currently offer services for 2 key audiences—
 - **Building Professionals:** industry events, training, energy code compliance and technical support
 - **Households:** incentives for home upgrades and technical support
- New business plan proposes three new audience sectors—
 - **Agriculture, Commercial, Public Sector**



Current Programs



ENERGY
CODE
CONNECT



BUILDING
PERFORMANCE
TRAINING



HOME
ENERGY
SAVINGS





- **What:** Makes the Energy Code easy to follow
- **Audience:** Public and private building professionals
- **Services:**
 - Energy Code Coach
 - Training
 - Regional Forums
 - Reach Code Support
- **Sector:** Codes & Standards





ENERGY
CODE
CONNECT

Achievements

Aug 2019
First
Forum

Inaugural forum attended by 97 tri-county residents:
2019 California Energy Code: Changes & Opportunities

Nov 2019
First
Trainings

65 events hosted over 3+ years. Popular topics:
- Energy Code for HPWHs
- Energy Code 101
- CalGreen Requirements
- Energy Code for ADUs
- 2022 Energy Code

Jan 2020
Code Coach
Launches

Since 2020, 190+ inquires covering:
- Modeling
- Compliance docs
- HVAC
- Photovoltaic
- ADUs
- Water heating
- Insulation
- And more

2020-2022
Refine &
Improve

1200+ event attendees since 2019

227 organizations engaged in Codes & Standards activities in 2022

Int. Code Council
learning unit provider

Reach Code program launched in 2022
with 1 city passing an updated code so far

2023
Continued
Growth

New Code Coach implementation partner;
already seeing increased engagement

3+ jurisdictions poised to adopt reach codes
with 3C-REN support

Engaging jurisdiction staff is a continued focus



HPWH = Heat Pump Water Heater
ADU = Accessory Dwelling Unit
HVAC = Heating, Ventilation, Air Conditioning



BUILDING PERFORMANCE TRAINING

- **Why:** Help workers thrive as industry evolves
- **Who:** Current and prospective professionals
- **What:**
 - Technical skills for the existing workforce (envelope, air sealing, etc.)
 - Foundational building science for emerging professionals (high schools, trade schools, and colleges)
- **Sector:** Market support

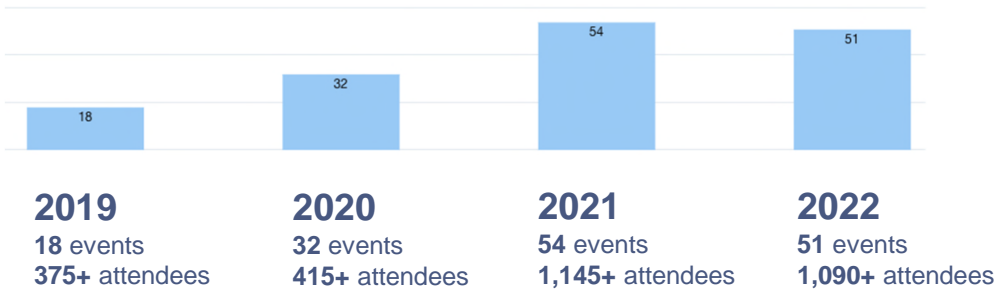




BUILDING PERFORMANCE TRAINING

Program launches April of 2019

155 training events held over 3.5 years



3,030+

 total attendees

Despite COVID-19 hitting in second program year

Achievements

2019-
2020

Program launches

Build and refine
program processes

Expand to serve
real estate
professionals

2021-
2022

Expand to serve
cannabis cultivators
and students

Launch High
Performance
Fundamentals pilot

Spanish Building
Performance & Training
webpage created with
on-demand training

2023

Launch of High
Performance
Fundamentals
Certificate

Expansion of services
to students across full
tri-county region

Learning Units & Certifications

- American Institute of Architects learning units offered
- Building Performance Institute
- Certified Passive House (42 since 2021)
- Green Designation for Realtors (93 since 2020)





- **Why:** Lower energy bills and improve homes while reducing GHG emissions
- **Who:** Target households that are historically underserved
- **What:**
 - Technical Assistance and incentives for multifamily
 - Incentives for single family
- **Sector:** Equity





HOME
ENERGY
SAVINGS

Achievements

March 2020
Single Fam
Launches

COVID-19
shutdowns begin
one week after
program launch
Pivot to virtual
assessments and DIY
mailer kits

Oct 2021
Multifamily
Launches

**Through single
family program,
opportunity for
greater savings in
multifamily
identified**
Whole building-
focused program with
GHG-based
incentives launched

Dec 2021
Single Family
Sunset

**1,000+ DI and co-pay
project completed**
- 45% of households
served speak Spanish
as primary language
- Program ended due
to limited energy
savings

2022
Both
Programs Live

**May 2022 re-launch of
single-family program
under NMEC model**
23 contractors enrolled
and 16 projects
completed (3 for HTR)
in first program year

**Multifamily program
fields 176 leads**
29 site assessments
completed, 85% of
projects serving HTR, 7
sites with rebates
reserved

2023
Achievements
To-date

**Single Family program
gains traction**
130 projects submitted
(total to-date)

**Multifamily program
launches additional
participation pathway**
Partial-building projects
now eligible for smaller,
less resourced
Multifamily property
owners

DI = Direct Install
NMEC = Normalized Meter Energy Consumption
HTR = Hard to Reach



Overview of newly proposed programs



Agricultural Technical Assistance

- **Who:** Agricultural customers who are seeking customized technical assistance to help improve their practices in energy use.
- **Why:**
 - Keeps agriculture - core to the local economy - strong in the face of climate impacts
 - Allows growers to manage costs and environmental impacts by managing energy use
- **How**
 - **Education:** relationship-based approach using partnership-building
 - **Technical assistance:** benchmarking, energy assessments - help assess options and recommend measures to inform decisions about project opportunities and equipment purchases
 - **Increased** EE program participation: referrals to complementary programs; project management assistance to shepherd customers through the participation process



Photo Credit: Coastal Pump, Inc.



Commercial Marketplace

- **Who:** Green Business Programs, small and hard to reach businesses and businesses with high energy use and demand
- **Why:**
 - Central Coast supports more than 600,000 jobs, nearly 50% are associated with businesses with less than 50 employees, and 17% with fewer than 10 employees, defined as very small and HTR
 - Supports competitiveness by managing energy costs and showcasing green efforts
- **What:** Outreach, technical assistance, program referrals, and NMEC incentives



NMEC = Normalized Metered Energy Consumption

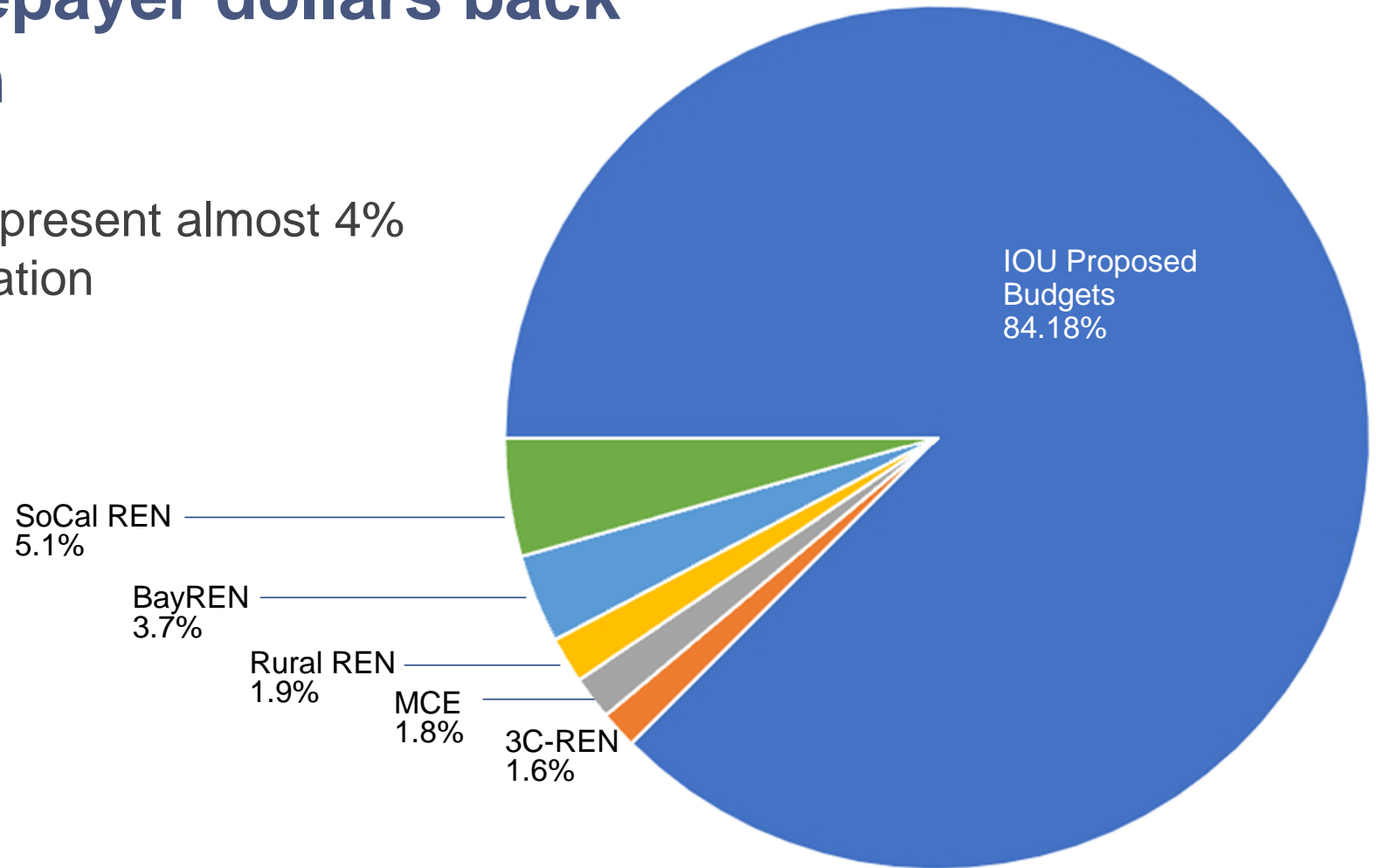
Energy Assurance Services (EAS)

- **Who:** Public sector and commercial facilities
- **What:** Technical assistance for comprehensive load management and resiliency projects; program referrals
- **Why:**
 - Expands existing Santa Barbara County EAS program for critical facilities across the tri-county region
 - Addresses expressed stakeholder need for technical assistance to identify energy and resiliency projects
 - Equips critical and community facilities to weather the impacts of climate change



Bringing ratepayer dollars back to our region

The Tri-Counties represent almost 4% of the state's population



Approved Portfolio in New Business Plan

3C-REN Program	Market Sector	REN Activity			Existing or New
		Gap Filling	Pilot	HTR*	
Agriculture Technical Assistance	Agriculture	X			New
Building Performance Training	Cross-Cutting	X			Existing
Energy Assurance Services	Cross-Cutting	X		X	New
EQUITY					
Commercial Marketplace	Commercial	X		X	New
Single Family Home Energy Savings	Residential	X		X	Existing
Multifamily Home Energy Savings	Residential	X		X	Existing
CODES AND STANDARDS					
Energy Code Connect	Cross-Cutting	X			Existing
*Hard to Reach					
TOTAL					
7 Programs	4 Market Sectors	X		X	4 Existing 3 New



Proposed Budget

Budget	2024	2025	2026	2027	Portfolio Plan Budget (\$) 2024-2027	Strategic Plan Budget (\$) 2024-2031
PROGRAM BUDGETS						
Agriculture Technical Assistance	714,806	744,819	772,707	803,102	3,035,434	6,538,938
Building Performance Training	2,087,734	2,217,373	2,406,678	2,728,040	9,439,825	21,340,806
Energy Assurance Services	394,162	394,528	494,910	495,306	1,778,906	3,939,661
Commercial Marketplace	2,401,251	2,464,141	2,544,871	2,605,030	10,015,293	21,379,645
Single Family Home Energy Savings	4,704,816	4,962,011	5,025,989	5,079,575	19,772,391	41,931,865
Multifamily Home Energy Savings	3,747,708	3,972,483	4,203,660	4,727,469	16,651,320	37,274,745
Energy Code Connect	1,861,967	1,905,918	2,005,263	2,046,473	7,819,621	16,747,290
Subtotal	15,912,444	16,661,273	17,454,078	18,484,995	68,512,790	149,152,950
EVALUATION, MEASUREMENT AND VERIFICATION (EM&V)						
3C-REN	182,330	190,910	199,995	211,807	785,042	1,709,042
CPUC	480,688	503,309	527,259	558,401	2,069,657	4,505,662
Subtotal	663,018	694,220	727,253	770,208	2,854,699	6,214,704
TOTAL BUDGET (INCLUDING EM&V)						
Total	16,575,462	17,355,493	18,181,331	19,255,203	71,367,489	155,367,654



Administrative Lead and Staffing

- Coordination with CPUC, REN's, the Utilities and other statewide groups.
- General oversight and coordination between 3C-REN's portfolio of all programs, as well as addressing over-arching business functions.
 - Support for all systems for the management and tracking of metrics.
 - Manage all procurement and 35+ contracts.
- 3C- REN's new portfolio for 2024-2031 will be doubling.
 - 3C-REN team strategic plan process to address staff capacity



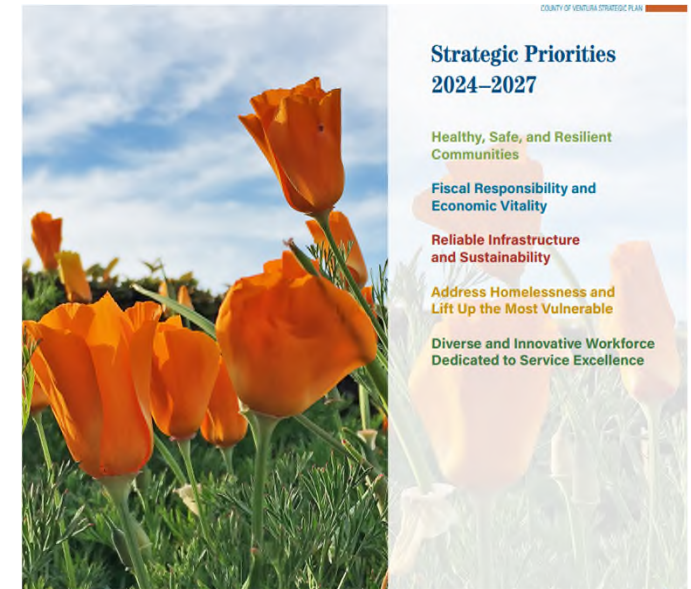
County Strategic Priorities 2024-2027

- Reliable Infrastructure and Sustainability
 - Goals
 1. Maintain and improve dependable public resources to serve the needs of our diverse communities.
 2. Preserve our agricultural land and natural environment while ensuring housing availability for all residents.
 3. Invest in sustainable infrastructure, renewable energy, and preservation of our natural resources



County Strategic Priorities 2024-2027

- Fiscal Responsibility and Economic Vitality
 - 2) Foster a thriving business ecosystem to create jobs, increase wages, and strengthen the local economy
- Healthy, Safe, and Resilient Communities
 - 3) Promote community resilience and strengthen our ability to withstand and recover from disaster or adversity





Thank you!



TRI-COUNTY REGIONAL ENERGY NETWORK
SAN LUIS OBISPO • SANTA BARBARA • VENTURA