



## I-REN Codes & Standards

California Energy Efficiency Coordinating Committee  
Kate Rathbun | Frontier Energy

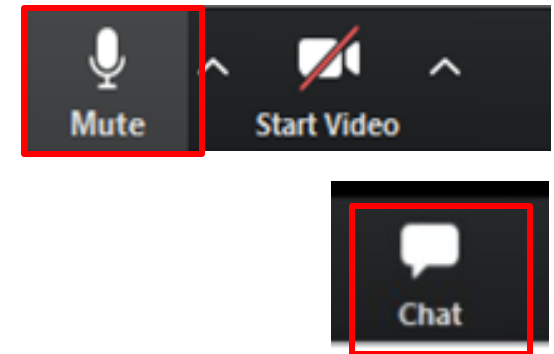
# Overview



This presentation is designed to provide an overview of additions to the Inland Regional Energy Network's (I-REN) Codes and Standards Program Implementation Plans and gather stakeholder feedback.

Housekeeping:

- Video camera not needed.
- Please mute yourself.
- Use Chat function if you have a question or comment.
- We have reserved time at the end of the presentation to answer questions.



# Agenda



- About I-REN
- Team Introduction
- I-REN Collaborations
- Overview of Programs
- Changes and Additions to Implementation Plans
- Q&A

# Inland Regional Energy Network



- Partnership among Coachella Valley Association of Governments, San Bernardino Council of Governments, and Western Riverside Council of Governments
- Connects the workforce industry, local governments, and other stakeholders to a wide range of energy efficiency resources
- Aims to provide equitable access to all the benefits of energy efficiency, including cost savings, throughout Riverside and San Bernardino counties



# Team Introductions



**Nancy Barba**, Director  
Project Oversight

**Margaret Marchant**,  
Program Manager  
Project Oversight

**Kate Rathbun**, Sr. Consultant  
I-REN C&S Program Lead

**Cassandra Sonne**,  
Consultant

**Tiare Ordanza**,  
Sr. Consultant  
Trainings and Forums

**Margit Barot**,  
Engineer  
Trainer

**Lun So**,  
Sr. Consultant  
Marketing and Outreach



**Melanie Steele**,  
Project Manager



**Karen Suarez**,  
Contract Manager



**Maribel Nunez**,  
Project Manager

# I-REN Collaborations



- City/County Building Department Staff
- Energy Code ACE
- Local Non-profit Organizations
- Government Programs
  - Ex. CivicSpark
- IOU Partners
- Regional Construction Firms
- Contractors & Design-side Stakeholders



# I-REN Codes & Standards (C&S) Programs



Non-incentive programs nurture a connection between the Statewide Codes & Standards Team, local governments, and local building industry by compiling best practices into locally focused training, forums, education, and tools.

## Goals:

- Better understand, enforce, and implement energy building codes
- Compliance and effectiveness increases
- Fosters the energy savings that come with adopting efficient building practices
- Ultimately, build capacity and understanding throughout the region

# Training and Education Program



Program Design	Outreach & Engagement	Program Implementation	Other Services
Admin / Meetings	Collateral development	Trainings and forum development	Regulatory filings
Technical Documents and Implementation Plans	Outreach Plan	Metric reporting	Program data for CPUC reporting
Reporting	Market assessment survey		Performance measurements
	Plan for determining barriers, feedback, and engagement strategies for non-English speaking and DACs		Program performance analysis
	Case Studies: success stories, champions, speakers and presenters, local wins		



# Technical Support Program



Program Design	Outreach & Engagement	Program Implementation	Other Services
Admin / Meetings	Collateral development	Assist jurisdictions with energy code compliance and enforcement	Regulatory filings
Technical Documents and Implementation Plans	Outreach Plan	Model Codes/Model Ordinance development and filing	Program data for CPUC reporting
Reporting	Market assessment survey	Periodic surveying	Performance measurements
	Plan for determining barriers, feedback, and engagement strategies for non-English speaking and DACs	Develop permitting guides and resources	Program performance analysis
	Case Studies: success stories, champions, speakers and presenters, local wins	Cost effectiveness analysis	
	Stakeholder engagement	Reach code adoption	

# Changes and Additions: T&E Program



*Program Theory, Logic Models, and Program Performance Metrics were not included in previously uploaded PIP as Program Manual and Program Rules section were developed and incorporated after program implementers were under contract.*

## Implementation Plan Wording Changes/Additions

### Program Overview

Subsections within Program Budget and Savings section:

1. Program and/or Sub-Program Name
4. Program / Sub-program Gross Impacts Table
5. Program / Sub-Program Cost Effectiveness (TRC)
6. Program / Sub-Program Cost Effectiveness (PAC)
7. Type of Program / Sub-Program Implementer (PA-delivered, third party- delivered or Partnership)
8. Market Sector
9. Program / Sub-program Type
10. Market channel(s) (i.e., downstream, midstream, and/or upstream) and Intervention Strategies (e.g., direct install, incentive, finance, audit, technical assistance, etc.), campaign goals, and timeline

Subsections within Implementation Plan Narrative section:

11. Program Description
  12. Program Delivery and Customer Services
  6. Program / Sub-Program Cost Effectiveness (PAC)
  13. Program Design and Best Practices
  14. Innovation
  15. Metrics
  16. For Programs claiming to-code savings
  17. Pilots
  18. Workforce Education and Training
  19. Workforce Standards
  20. Disadvantaged Worker Plan
  21. Additional information
- All sub-sections under the Supporting Documents section

# Detailed Look at Components, Pt. 2



- Innovation
  - Distributing knowledge and resources of lady bodies of professionals to less advantaged groups
  - Identifying important areas for future policy improvements and regionally appropriate potential model ordinances and policies
  - Testing and piloting different tactics to alleviate common concerns for solutions that can be easily and affordably adopted region-wide, maximizing the impact of dollars spent
- Metrics
  - Data collecting tools for all programs that can assess metrics such as percentage of program participants who have increased knowledge of code compliance, percentage of I-REN attendees from hard-to-reach communities, etc.
- Workforce Education and Training
  - Working with the California Energy Commission and IOU's existing resources to provide access to regional policy forums, Spanish language resources, training video libraries, and regional online permit coordination
- Disadvantaged Worker Plan
  - Helping to build capacity for a skilled workforce in rural and underserved and disadvantaged communities through work such as collaborating with non-profits like CivicSpark
- Additional Information
  - Following the guidance of D.18.05.041 Section 2.2.1 by promoting compliance with building codes and helping to achieve maximum energy efficiency savings in projects that are supported by non-ratepayer funds, without directly providing incentives to customers or implementors

# Detailed Look at the Components



- Market Sector
  - Cross-cutting coordination with the Public Sector by serving local building department staff in enforcing codes and standards
- Market Channels
  - Reaching local agencies through leveraging governing agencies' relationships with local agencies with technical support assistance tools and resources on energy codes
- Program Description
  - Designed to remedy inconsistencies in IOU offerings by enhancing knowledge of and adherence to building energy codes, thus reducing energy usage in the I-REN region
  - Compiling and analyzing surveys of local governments (including building agencies) and constituents (including private constructions firms) to assess gaps in program areas and provide locally informed resources and tools
- Program Delivery and Customer Services
  - Identifying and addresses areas of greatest need for improved code compliance through activities such as online surveys, in-depth phone interviews, and reviewing secondary data sources, to inform program planning efforts and evaluation, measurement and verification (EM&V)
- Program Design and Best Practices
  - Establishing an ongoing program around implementing energy efficiency codes and standards
  - Identify, address, and develop training curriculum in areas with least compliance and around ongoing changes and trends in C&S

# Changes and Additions: Technical Support Program



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## Implementation Plan Changes/Additions

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Thank You