

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



Southern California Gas Company
GAS (Corp ID 904)
Status of Advice Letter 5930G
As of March 23, 2022

Subject: 2022 Joint Cooperation Memorandum (JCM) of I-REN, SoCalREN, SCE, and SoCalGas'
Pursuant to Decision (D.) 18-05-041 and D.21-11-013

Division Assigned: Energy

Date Filed: 01-21-2022

Date to Calendar: 01-26-2022

Authorizing Documents: D1805041

Authorizing Documents: D2111013

Disposition:	Accepted
Effective Date:	02-20-2022

Resolution Required: No

Resolution Number: None

Commission Meeting Date: None

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PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



To: Energy Company Filing Advice Letter

From: Energy Division PAL Coordinator

Subject: Your Advice Letter Filing

The Energy Division of the California Public Utilities Commission has processed your recent Advice Letter (AL) filing and is returning an AL status certificate for your records.

The AL status certificate indicates:

- Advice Letter Number
- Name of Filer
- CPUC Corporate ID number of Filer
- Subject of Filing
- Date Filed
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Energy Division's Tariff Unit by e-mail to
edtariffunit@cpuc.ca.gov



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City of Perris • City of Riverside • City of San Jacinto • City of Temecula • City of Wildomar • Eastern Municipal Water District •
Western Municipal Water District • Riverside County Superintendent of Schools

January 21, 2022

Advice No. 1-E-G

(Inland Regional Energy Network ID #246)

Advice No. 16-E/16-G

(Southern California Regional Energy Network ID #940)

Advice No. 4697-E

(Southern California Edison Company ID U 338 E)

Advice No. 5930

(Southern California Gas Company ID U 904 G)

Public Utilities Commission of the State of California

Subject: 2022 Joint Cooperation Memorandum (JCM) of I-REN, SoCalREN, SCE, and SoCalGas' Pursuant to Decision (D.) 18-05-041 and D.21-11-013

Purpose

The Western Riverside Council of Governments (WRCOG), for itself and on behalf of the San Bernardino Associated Governments and the Coachella Valley Association of Governments for the Inland Regional Energy Network (I-REN), and on behalf of Southern California Regional Energy Network (SoCalREN), Southern California Edison Company (SCE), and Southern California Gas Company (SoCalGas),¹ hereby submits this Tier 2 Advice Letter (AL) pursuant to Decision (D.) 18-05-041, Ordering Paragraph (OP) 38² and D.21-11-013 Conclusions of Law (COL) 10.³ This AL seeks approval from the California Public Utilities Commission (Commission or CPUC) for the 2022 Joint Cooperation Memorandum submitted by I-REN, SoCalREN, SCE and SoCalGas (2022 JCM). The 2022 JCM includes details regarding I-REN's programs, SoCalREN, SoCalGas and SCE's comparable programs, and the coordination among the Program Administrators (PAs) on overlapping service territories.

Background

On June 5, 2018, the Commission issued D.18-05-041, *Decision Addressing Energy Efficiency Business Plans*, which adopted PAs' business plans, sector strategies, and associated budgets for the years 2018 through 2025. In addition, D.18-05-041 requires the PAs to submit a Joint Cooperation Memorandum (JCM) between energy efficiency program administrators with overlapping service areas. Specifically, the directive states: We will require the PAs (RENs, IOUs and CCA) to develop a joint cooperation memo to demonstrate how they will avoid or minimize duplication for programs that address a common sector but pursue different activities. For such programs, each PA must explicitly identify and discuss how its activities are complementary and supplementary, and not duplicative of other PAs' planned activities. Staff will utilize these memos in their reviews of the PAs'

¹ Together referred to as the Joint Program Administrators (Joint PAs).

² D.18-05-041 at 190.

³ D.21-11-013 at 32.

specific activities and programs to confirm that they conform with the memos, or more broadly with D.12-11-015 and D.16-08-019⁴. I-REN hereby submits its 2022 annual JCM AL submittal on behalf of itself, SoCalREN, SCE and SoCalGas.

2022 Joint Cooperation Memo

Attachment A of this AL contains the Joint PAs' response to the Commission's directive. The JCM is divided into four sections. The first section describes an overview of the Joint PAs' portfolio coordination. The second section provides a summary of each of I-REN's 2022 sectors and their objectives. The third section is organized into six subsections, each subsection representative of an I-REN program. Each subsection presents a summary of the I-REN program offering and its objectives, a summary of all PA's program differentiation, a summary of comparable SoCalREN, SCE and SoCalGas programs, details regarding the program coordination between the Joint PAs, specifics regarding coordination between statewide programs and a summary of I-REN's program compliance with D.12-11-015. The fourth section provides further details regarding I-REN's program compliance with D.12-11-015.

The Joint PAs make note that the budgets and programs outlined in this memo are the best estimates of 2022 offerings at the time of submittal. In addition, this JCM includes several appendices to provide relevant information for Energy Division staff. Appendices included in the Joint PAs 2022 JCM are as follows:

- Appendix A: Summary of I-REN Programs Compliance with D.12-11-015
- Appendix B: I-REN Summary of Programs Offered For 2022
- Appendix C: SoCalREN, SCE and SoCalGas Summary of Comparable Programs Offered for 2022

Protests

Anyone may protest this AL to the Commission. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. The protest must be made in writing and must be received within 20 days of the date this AL, which is February 10, 2022. Due to COVID-19, all requirements for hard copy service of documents pursuant to the Commission Rule of Practice and Procedure, hard copies of all electronically served documents, are suspended until further notice.

A copy of the protest should be sent via e-mail to the attention of the Energy Division Tariff Unit (EDTariffUnit@cpuc.ca.gov). Please submit protests or comments to this AL via e-mail to the addresses shown below on the same date they are emailed to the Commission.

For I-REN:

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⁴ D.16-08-019 at 97.

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Email: ROrtiz@socalgas.com

Effective Date

Per D.18-05-041, OP 38, this AL is subject to Energy Division disposition and should be classified as Tier 2 (effective after staff approval) pursuant to General Order (GO) 96-B. The I-REN respectfully requests that this submittal be made effective on February 20, 2022, which is 30 days from the date submitted.

Notice

A copy of this AL is being sent to the Commission's service lists for A.17-01-013 (et al.) and R.13-11-005. For changes to A.17-01-013 (et al.) and R.13-11-005 service lists, please contact the Commission's Process Office at 415-703-2021 or by electronic mail at process_office@cpuc.ca.gov.

Should you have any questions please feel free to contact me at (951) 405-6720 or cdailey@wrcog.us.

Thank you,

A handwritten signature in black ink, appearing to read 'Casey Dailey', with a stylized flourish at the end.

Casey Dailey
Director of Energy & Environmental Programs



ADVICE LETTER SUMMARY

ENERGY UTILITY



MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.:

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person:

Phone #:
E-mail:
E-mail Disposition Notice to:

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas WATER = Water
 PLC = Pipeline HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #:

Tier Designation:

Subject of AL:

Keywords (choose from CPUC listing):

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #:

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL:

Summarize differences between the AL and the prior withdrawn or rejected AL:

Confidential treatment requested? Yes No

If yes, specification of confidential information:

Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? Yes No

Requested effective date:

No. of tariff sheets:

Estimated system annual revenue effect (%):

Estimated system average rate effect (%):

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected:

Service affected and changes proposed¹:

Pending advice letters that revise the same tariff sheets:

¹Discuss in AL if more space is needed.

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Name:
Title:
Utility Name:
Address:
City:
State: Zip:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

Name:
Title:
Utility Name:
Address:
City:
State: Zip:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

ENERGY Advice Letter Keywords

Affiliate	Direct Access	Preliminary Statement
Agreements	Disconnect Service	Procurement
Agriculture	ECAC / Energy Cost Adjustment	Qualifying Facility
Avoided Cost	EOR / Enhanced Oil Recovery	Rebates
Balancing Account	Energy Charge	Refunds
Baseline	Energy Efficiency	Reliability
Bilingual	Establish Service	Re-MAT/Bio-MAT
Billings	Expand Service Area	Revenue Allocation
Bioenergy	Forms	Rule 21
Brokerage Fees	Franchise Fee / User Tax	Rules
CARE	G.O. 131-D	Section 851
CPUC Reimbursement Fee	GRC / General Rate Case	Self Generation
Capacity	Hazardous Waste	Service Area Map
Cogeneration	Increase Rates	Service Outage
Compliance	Interruptible Service	Solar
Conditions of Service	Interutility Transportation	Standby Service
Connection	LIEE / Low-Income Energy Efficiency	Storage
Conservation	LIRA / Low-Income Ratepayer Assistance	Street Lights
Consolidate Tariffs	Late Payment Charge	Surcharges
Contracts	Line Extensions	Tariffs
Core	Memorandum Account	Taxes
Credit	Metered Energy Efficiency	Text Changes
Curtable Service	Metering	Transformer
Customer Charge	Mobile Home Parks	Transition Cost
Customer Owned Generation	Name Change	Transmission Lines
Decrease Rates	Non-Core	Transportation Electrification
Demand Charge	Non-firm Service Contracts	Transportation Rates
Demand Side Fund	Nuclear	Undergrounding
Demand Side Management	Oil Pipelines	Voltage Discount
Demand Side Response	PBR / Performance Based Ratemaking	Wind Power
Deposits	Portfolio	Withdrawal of Service
Depreciation	Power Lines	

Attachment A

Inland Regional Energy
Network, Southern California
Edison, SoCalGas[®], and Southern
California Regional Energy
Network

2022 Joint Cooperation Memo

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I. SUMMARY OF I-REN, SOCALREN, SCE, AND SOCALGAS PORTFOLIO COORDINATION

D.18-05-041 and D.21-11-013 require Program Administrators (PAs) to submit a joint cooperation memorandum (JCM) between Energy Efficiency (EE) PAs with overlapping service areas. Specifically, the directive states: “We will require the PAs (RENs, IOUs, and CCAs) to develop a joint cooperation memo to demonstrate how they will avoid or minimize duplication for programs that address a common sector (e.g., residential or commercial) but pursue different activities, pilots that are intended to test new or different delivery models for scalability, and/or programs that otherwise exhibit a high likelihood of overlap or duplication and are not targeted at hard-to-reach customers. For such programs, each PA must explicitly identify and discuss how its activities are complementary and not duplicative of other PAs’ planned activities.”¹

The I-REN, SoCalREN, SCE, and SoCalGas’ (hereinafter referred to as the “Joint PAs”) 2022 portfolio will focus on collaboration with respect to the Joint PAs’ overlapping territories, as I-REN begins to contract implementers and launch its first ratepayer-funded energy efficiency programs as a new PA. As part of the Joint PAs’ focused transition to performance-based and comparatively cost-effective and cost-efficient 2022 portfolios, the Joint PAs will be deepening collaboration to ensure that their respective overlapping regional programs do not result in unnecessary duplication or cause customer confusion. PAs can derive additional value by providing information and referrals to programs across all program implementers, including those outside each other’s implementation focus.

¹ See D.18-05-041, p. 97

In addition, the Joint PAs will use 2022 to continue to conduct ongoing performance assessments, introduce program administrative and implementation adjustments to reduce costs and increase energy savings, and optimize performance of all their portfolios.

Details on how each of the Joint PAs' overlapping sector programs will collaborate between each PA, as necessary to comply with the Commission's directives, are provided below in the following section.

II. SUMMARY OF I-REN BUSINESS PLAN SECTORS

A. PUBLIC SECTOR

I-REN's public sector offerings will serve the members of the three Councils of Government (COGs) represented in I-REN, including the Coachella Valley Association of Governments (CVAG), San Bernardino Associated Governments (SANBAG), Western Riverside Council of Governments (WRCOG), and the cities, school districts, water districts, special districts, and tribal communities they represent. These regional programs will target, but not be limited to, upgrades to existing public buildings and facilities with high energy use and older equipment. While the offerings will consider all public building types, there will be a focus on community-serving buildings such as community centers, libraries, senior centers, schools, and fire and police buildings. Through energy efficiency projects in these facilities, I-REN can provide benefits that will flow to disadvantaged, low income, and other vulnerable communities. The I-REN programs will be multi-beneficial in nature, layering energy efficiency strategies with greenhouse gas reductions, community resilience and climate adaptation measures.

I-REN's local governments have limited capacity to complete energy upgrades and are challenged to maintain and upgrade these facilities due to lack of funding for capital

improvements, a lack of awareness related to energy efficiency and other energy efficiency program opportunities, limited time and staff resources, along with conflicting priorities. Further, State mandates such as building energy benchmarking (AB 802) requirements, energy code compliance, and climate adaptation planning are additional unfunded regulations and requirements on local governments and are difficult to meet given competing priorities. These challenges are exacerbated now due to the COVID-19 pandemic, the associated economic downturn and increased pressure on local government agencies to respond to a variety of issues.

To address these challenges, I-REN will leverage its existing public sector partnerships and networks across the region to offer technical assistance, implement resource program options, and improve access to financing. Implementing these initiatives will further I-REN's goals of encouraging resilience and continuous capacity building for local governments, thereby strengthening their ability to serve their community through energy efficiency projects in their own facilities, while also saving on building operations costs and contributing to local and statewide goals for energy savings, climate resilience, and greenhouse gas emissions reduction.

1. Summary of I-REN's Public Sector Program Objectives

- a. Local governments have support and resources to develop and implement their strategic energy plans and energy efficiency projects.
- b. Help local governments afford and finance a range of energy efficiency upgrades through innovative financing options.

B. CODES AND STANDARDS SECTOR

I-REN is proposing a dynamic and targeted set of offerings for the Codes and Standards (C&S) Sector to assist its local government agencies in better understanding and enforcing

energy building codes. The I-REN's Codes and Standards program (IREN-CS-001) will consist of two components: training and education, and technical support. In addition, I-REN will support the region's building industry to better conform to and implement these codes. This could include but is not limited to identifying gaps in training and education and code compliance, supporting enforcement, and working with the Statewide IOU C&S Compliance Improvement Team to ensure that statewide, CEC-vetted, consistent support is provided to their constituents. I-REN may also offer outreach for compliance support to non-electric IOU areas served by SoCalGas that include the City of Riverside and the Imperial Irrigation District (IID) service area. Should I-REN serve areas that are served by a single IOU, I-REN will coordinate with SoCalGas as the fiscal and contracting agent. Compliance with California Energy Code (Title 24, Part 6) and California Green Building Standards Code (Title 24, Part 11) is required for new construction of, and additions and alterations to, residential and nonresidential buildings.

The authorities having jurisdiction or "AHJs" that provide permits for these projects and enforce codes and standards are found at the city and county level and are expected to enforce the California Energy Code without additional state budget resources. Increased contractor compliance with the Energy Code, particularly related to residential HVAC, is identified as an important strategy to increase energy efficiency and home safety. The CEC has established a goal to increase compliance by 80% by 2021.²

Energy code enforcement has historically been difficult for local jurisdictions, particularly smaller communities with fewer resources. Conflicting priorities and a focus on life

² California Energy Commission, "2019 California Energy Efficiency Action Plan," December 2019, page 40.

and safety codes relegates energy code to a secondary (or tertiary) position. I-REN's service territory includes many AHJs that face significant challenges in enforcing energy codes and standards with their current resources and capacity. These jurisdictions are small in population size, geographically dispersed, challenged by extreme climate conditions, and disadvantaged by pollution and other factors. I-REN has significant opportunity to support compliance and enforcement, to ensure building department knowledge, awareness, and realization of energy-savings measures.

As an organization led by and dedicated to serving local governments, I-REN can provide flexible and adaptable solutions to help bridge the gap and assist local jurisdictions, including but not limited to jurisdictions outside of IOU service areas . I-REN's C&S initiatives will offer locally focused training, education, and tools to support codes and standards implementation, gap filling, code enforcement, and compliance activities. Locally-focused training and educational resources will be informed by and targeted specifically to address the needs of jurisdictions in the region, which will be identified during activities related to Tactic 3.3.1: Identify and address the areas of greatest need for improved code compliance, in collaboration with local governments and the building industry, as described in I-REN's Business Plan³ approved in D.21-11-013. To ensure statewide consistency in compliance improvement support I-REN will coordinate and collaborate with the IOU C&S team.

³ Motion of the Western Riverside Council of Governments on Behalf of the Inland Regional Energy Network (I-REN), for Approval of its Energy Efficiency Rolling Portfolio Business Plan and Budget, p. 3.20.

1. Summary of I-REN's Codes and Standards Program Objectives

- a) Improve the understanding of energy efficiency and fuel substitution codes and standards among local building departments and the building industry to increase implementation and compliance.
- b) Make code compliance a valuable element of the region's energy efficiency and decarbonization goal attainment with engagement regionwide.
- c) Deliver locally informed resources and tools that streamline code compliance and enforcement and increase permit closeout.

C. WORKFORCE EDUCATION AND TRAINING SECTOR

The I-REN's Workforce Education and Training program (IREN-WET-001) will consist of two components: training and education, and workforce development. Workforce Education and Training (WE&T) initiatives may now be more important than ever due to the COVID-19 pandemic the U.S. faced for the majority of 2020 and continued to face throughout 2021. As a locally-focused and locally-led advocate for economic development in the Inland Empire, I-REN is distinct in its ability to respond to this crisis and help support the region's recovery. The COGs that make up I-REN's governing agencies have direct connections to local governments and community stakeholders to make this effort as effective as possible.

Agility and collaboration will be required to mount a response to the economic devastation caused by the pandemic. I-REN, as a consortium of San Bernardino and Riverside government representatives, can effectively link to local needs, workforce providers, and employers to create a more robust environment for job creation and skills development. Employment and training are issues that have specific opportunities and challenges that need to

be addressed by those who are in the area and connected directly to the range of potential actors. This is also a long-term need that will require relationship building and trust building with underserved communities, and the existing providers.

I-REN will serve as a vital link between workforce skills and training providers such as community colleges and employers to build a more robust market and increase the number of skilled EE contractors in the Inland Empire. These activities will promote job market recovery and progress toward statewide goals regarding energy efficiency, air quality, and support for hard-to-reach (HTR), underserved, rural, tribal, and disadvantaged communities (DACs). Both Senate Bill (SB) 350 and SB 535 prioritize these communities for initiatives to improve air quality, increase energy efficiency, and address economic conditions. SB 350 emphasizes workforce development and increased project penetration in underserved communities.⁴ I-REN has an opportunity to support these goals through its WE&T initiatives.

1. Summary of I-REN's Workforce and Education Sector Program Objectives

- a. Create a robust local network of training programs that increase capacity, knowledge, and awareness of energy efficiency as a valuable component of the building industry.
- b. Increase the number of skilled energy efficiency workers in the region.

⁴ California Senate Bill 350, Sec. 8.25943.a.1;.c.7-8.

III. SUMMARY OF I-REN PORTFOLIO OF PROGRAMS OFFERED FOR 2022 AND COMPARABLE PARTNER PROGRAM ADMINISTRATORS 2022 PROGRAMS

A. PUBLIC SECTOR—TECHNICAL ASSISTANCE AND STRATEGIC ENERGY PLANNING – IREN-PUBL-001

I-REN’s Public Sector Technical Assistance and Strategic Energy Planning Program will provide short-term and mid-term technical support for local governments, special districts, school districts, and tribes to increase energy efficiency in publicly-owned facilities. The program will provide additional support and technical services to design high performing, energy efficient buildings.

The program will implement a strategy of developing a regional Building Upgrade Concierge (BUC) for local governments, special districts, and tribal communities with technical guidance and tools to inform and enable priority energy improvements. I-REN will provide person-to-person support for local governments to get higher levels of assistance and support for their energy efficiency projects, through concierge-style support to help fill gaps in staff capacity and resources at these local government jurisdictions.

I-REN’s technical assistance support will build local government’s capacity to tackle complex projects, from helping with benchmarking to navigating options and approaches for maximizing their investments and energy savings. I-REN will offer person-to-person support to help these local governments in making efficient equipment purchases and to implement energy efficiency projects. Resulting energy bill savings will benefit local governments and contribute to both local and statewide goals for energy efficiency and greenhouse gas reduction.

I-REN will also develop or enhance strategic energy plans to connect local government goals related to climate, resilience, and economic development to energy efficiency programs and adoption. Through this tactic I-REN will assess the current state of strategic energy planning and provide technical assistance to begin the process or help move the process forward, working in collaboration with jurisdiction stakeholders.

In addition, I-REN will create resources for the public sector to tap into EE and distributed energy resources programs offered by other providers and IOUs, acting as a clearinghouse for information about energy efficiency programs available in the region for the public sector, and will create and promote tools and resources to increase energy efficiency program participation among their constituents.

1. Summary of I-REN’s Technical Assistance and Strategic Energy Planning Program Objectives

- a) Local governments have support and resources to develop and implement their strategic energy plans and energy efficiency projects.

2. Summary of Program Differentiation

The following table provides a summary of the PAs’ respective Technical Assistance and Strategic Energy Planning programs.

Table 1: I-REN, SoCalREN, SCE, and SoCalGas Technical Assistance and Strategic Energy Planning Program Summary

Program Parameters	I-REN	SoCalREN	SCE Local Public Third-Party Program	SoCalGas
Target Audience(s)	<ul style="list-style-type: none"> Counties of Riverside and San Bernardino Cities, school districts, water districts, special districts, tribal communities Disadvantaged, low income, other vulnerable communities Community centers, libraries, senior centers, schools, fire and police buildings Educational institutions 	All eligible Public Agencies served by SCE and/or SCG including: Cities, counties, tribes, K-12 schools, local governments, hospitals and hospital districts, water districts, wastewater districts, sanitation districts, ports, airports, and other special districts.	The program design for SCE’s Local Public Sector Third-Party Program is not yet available. The Advice Letter (AL) for SCE’s Local Public Sector Third-Party Program is being submitted in Q1 2022, and is pending review and approval from the CPUC. Program design will be available upon approval of the AL.	Eligible Public Sector customers which include cities, counties, public agencies, special districts (public water districts, health districts, waste treatment/water districts, etc.), K-12 school districts, High Education (UC/CSU, Community Colleges) and federal entities (federal agencies, US military facilities and Indian tribes) DAC/HTR Communities, Low income communities
Resource or Non-Resource	Non-resource	Non-resource	Resource	Resource and non-resource
Eligible Measures	n/a	n/a	TBD	Deemed and custom measures
2022 Budget	\$3,102,902	\$12,240,078*	\$5,181,133*	\$8,278,856 *

* SoCalREN, SCE and SoCalGas 2022 budgets provided herein are estimates merely for reference only. The final budgets are subject to Commission approval of 2022-23 BBAL Advice Letter.

I-REN will offer person-to-person concierge technical support services to serve the needs of public sector customers in its territory, including but not limited to strategic energy planning

and procurement and project management assistance. I-REN will focus on underserved local governments including tribal communities with targeted non-resource efforts to drive participation to IOU programs and use information technology to help improve public sector customers' and local governments' access to energy efficiency opportunities. While the program will be open to all public building types, there will be a focus on community-serving buildings such as community centers, libraries, senior centers, schools, and fire and police buildings. I-REN will leverage its existing public sector partnerships and networks across the region to deliver personalized services through this program. Location of services in Riverside and San Bernardino counties, especially in underserved jurisdictions, and a more localized focus will differentiate I-REN's program from other comparable offerings.

The following table compares the key program parameters of PAs' public sector technical assistance and strategic energy planning programs.

Table 2: Technical Assistance and Strategic Energy Planning Program Comparison

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
Types of Public Agencies Served	<ul style="list-style-type: none"> • Members of the I-REN COGs, counties, cities, school districts, water districts, special districts, and tribal communities • Hard-to-reach, disadvantaged, low income, and other vulnerable communities • Public sector facilities, community centers, libraries, 	All eligible Public Agencies including but not limited to: <ul style="list-style-type: none"> • Cities • Counties • Water/wastewater Districts • K-12 schools • Special Districts • Tribes 	<ul style="list-style-type: none"> • Local Governments • Federal Government • Special Districts • Tribal Governments (non-residential only) • Public and Private Education limited to: • K-12 schools, both public and private 	<ul style="list-style-type: none"> • All eligible Public Agencies that include cities, counties, various public agencies, special districts, K-12 schools, CA State agencies and high-ed institutions (by SW Programs); federal agencies and Indian tribes • DAC/HTR Communities, Low-income customers/communities (by SoCalGas' Low Income Programs)

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
	senior centers, schools, and fire and police buildings <ul style="list-style-type: none"> • Educational institutions 		universities, colleges, and trade schools	
Resource/ Non-resource	Non-resource	Non-resource	Resource	Resource and non-Resource
Procurement Assistance	Support public agency staff in navigating procurement and approval process	Procurement and project delivery option analysis; Access and extensive support to both customized and turnkey procurement approaches for energy projects; Proposal and bid analysis; Development of contractor scope of work with performance specifications; Contractor cost estimate review.	TBD	
Technical Assistance	Strategic energy planning; benchmarking; technical support to assess project options;	Customized technical engineering support from project identification to completion, including investment grade audits to identify all energy saving opportunities, technical performance specifications and	TBD	Technical assistance for EE opportunities and EE project scoping and development; Benchmarking support; Engineering support

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
		provide construction management support.		
Financial Support	Provide information on I-REN financing options and other PA offerings	Financial Analysis for projects to compare different financing options; Support with financing and incentive applications and process; Assistance with non-ratepayer funded financing; Access to financial advisory services.	On-Bill Financing	Support for financing and incentive application through account representatives or 3P Implementers; OBF zero-interest financing; SW Financing offerings
Access to Energy Data	Benchmarking and energy modeling support	Access to on-demand energy data and customized reports to communicate data; Benchmarking support including AB 802 compliance; Detailed facility TOU load profiles and insights.	Energy Data Request Program (EDRP); Green Button Connect My Data; CEC Building Benchmarking (Energy Star Portfolio Manager) support; Energy Atlas/CATALENA	Agency usage-level data on request; Aggregated community data on request (EDRP); Energy Star PM support; Energy Atlas/CATALENA (under development); Automated electronic bill data delivery via secure file transfer protocol
Energy Project Expertise to Implement Projects	Support public agency decisionmakers and staff with concierge-style project management support	Provides support at each stage to each participating agency through an assigned Project Manager along with access to engineering and construction support.	TBD	Technical support for EE projects; 3P Resource Program delivery; 3P Direct Install; Program management support to coordinate technical assistance, leverage available 3P program resources and

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
				engineering services
Community Marketing/Outreach	<ul style="list-style-type: none"> • Outreach to local jurisdictions and agencies to educate them about the program offerings • Create regionally-focused resources on public sector opportunities • Collaborate with local governments, tribes, and special districts to design and deliver messaging to the community to promote local leadership in energy efficiency 	<p>Development and sharing of tools and resources to promote regional and local energy action.</p> <p>Customized support to engage community stakeholders and inspire regional and local energy action; Leverages Regional Partner channels to deliver customized marketing materials adapted to unique community needs.</p>	TBD	<p>Regional Energy Pathways to provide focused outreach and support for all Public Agencies</p> <p>Customized marketing support to engage communities and educate on other EE offerings that includes leveraging Core Program and 3P Program resources</p> <p>3P programs tailored to Public Sector</p> <p>Funneling SoCalGas Core and 3P program offerings to Public Agencies and the communities served under the jurisdiction</p>
Sharing of Best Practices for Sustainability Efforts	<ul style="list-style-type: none"> • Convene stakeholders for strategic energy planning • Create local case studies to showcase achievements in the region • Create, distribute and promote regionally-focused tools and resources through e-communicators, social media, 	<p>Sub-regional peer-to-peer workshops, Energy Manager Working Groups, and trainings on relevant topics; Access to shared online resources and learning communities; Regular communication and coordination among Regional Partners and Advisory Committee</p>	TBD	<p>Regular communication with customers and engagement in regional events, support and coordinate with 3P programs</p>

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
	web, and at in-person events.	members to share activities and best practices.		

3. Comparable SoCalREN Program – Public Agency Energy Efficiency Project Delivery Program (EE PDP)

The SoCalREN Public Agency Energy Efficiency Project Delivery Program (EE PDP) is a program that offers services to identify and complete public sector projects that are customized to meet the unique needs of each agency. The Program provides objective, third-party expertise from project start-to-finish to help agencies implement the best measures to maximize energy cost savings. The SoCalREN Public Agency EE PDP is a market support program that channels projects through utility core and third-party programs as well as SoCalREN resource programs (Metered Savings Program and Streamlined Savings Pathway). In addition, SoCalREN’s EE PDP assists in the development and sharing of tools and resources through a peer-to-peer network to inspire local energy action.

Services include:

- Energy portfolio analyses and benchmarking support that help identify potential opportunities
- Start-to-finish project management support
- Facility and equipment energy audits

- Exterior lighting, interior lighting, mechanical, and envelope retrofit technical expertise
- Water and wastewater pumping and process optimization retrofits and other measures
- Retro-commissioning support
- Project financing analysis
- Development of contractor scope of work elements with EE performance specifications
- Access to competitively bid specialty contractors
- Construction management support
- Project close-out support and training
- Access to EE tools, resources & peer-to-peer learning opportunities
- Customized support to celebrate project success
- Support in access to financing, including EE financing and grant application services
- Assistance with utility incentive and rebate processing
- Application support for various grant and financing programs including but not limited to: CEC Energy Conservation Assistance Act Loan, SoCalREN's Revolving Savings Fund, CEC CalSHAPE program etc.

4. Comparable SCE Program – Local Public Sector 3P Solicitation – SCE-13-TP-029

The program design for SCE’s Local Public Sector Third-Party Program currently under solicitation and is not yet available. However, SCE will be submitting an Advice Letter with program details in Q1 2022. This new third-party program will replace SCE’s legacy local public sector programs.

5. Comparable SoCalGas Program – Regional Energy Pathways – SCG3912

Regional Energy Pathways is a transition from the previous Local Government Partnership (LGP) model. The Regional Energy Pathways builds on the experience and successes of LGP to further the progress in Public Sector and expand a greater reach to all Public Sector customers. The Regional Pathways will deploy more flexible and efficient approaches to engage with all public sector customers in providing valuable programs and services to all public sector customers. Regional Pathways will have assigned Program Manager for each region to maintain and expand valuable relationships with public agencies. This program is committed to providing ongoing outreach and collaboration with public sector customers as trusted resources and reliable partner. Public Sector customers will continue to be served through various Third-Party Programs as well as SoCalGas’ Core Programs.

SCG3846 PUB – Small/Medium Public Sector 3P Program

SoCalGas Small/Medium Public Sector 3P Program is a Third-Party program. The 3P program provides a turnkey end-to-end solution for SoCalGas to serve small and medium Public Sector customers. The program provides direct install measures to small and medium Public Sector customers.

SCG3899 PUB – Large Public Sector 3P Program

SoCalGas Large Public Sector 3P Program is a Third Party program currently under solicitation process.

6. Coordination Protocol Between Programs

As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan coordination activities. The Joint PAs will coordinate as new and launching programs are contracted and designed in order to minimize duplication of efforts. Technical assistance will be a key area of focus for coordination among the Joint PAs. Additionally, new market support and equity programs might also provide similar services, which must also be closely coordinated.

To address marketing confusion among implementers (both IOU and third-party) the Joint PAs will establish a protocol for program coordination to occur at the COG level. I-REN will invite implementers of Joint PA programs to present to COG audiences to inform and build awareness among members of EE programs. Historically, COGs have served as conveners to IOU programs. I-REN will seek opportunities to leverage existing implementer relationships and be a convener of services for COG members. Not only would this develop potential leads, but it would also bring the best solutions to the customer.

7. Coordination Between Statewide Program(s)

As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan coordination activities. The Joint PAs will continue to participate in Energy Division-led Peer Coordination Groups (PCGs). The statewide PCGs enable collaborative statewide discussions regarding all programs across all PAs throughout the state, not just those in Southern California.

Coordination with statewide programs could include but not necessarily be limited to the following:

SCE_SW_IP_Colleges – SW Higher Education Program (UC, CSU, CCC)

The Statewide Higher Education Program, also known as the UC/CSU/CCC Program, is a resource program that will serve the statewide Public Higher Education Institutions such as University of California, California State University, and California Community Colleges energy efficiency needs. The three customer segments being served will be the University of California , California State Universities and California Community Colleges. The objective for this program is to have the third party offer innovative and cost-effective EE opportunities to the three customer segments listed above. This program is scheduled to launch Q3 2022.

SCE_SW_UL – Statewide Lighting Energy Efficiency Program

The California Statewide Lighting Program serves all eligible electric customers in the participating IOUs' service territories –SCE, SDG&E, and PG&E. The objective of the program is to promote the sale and installation of high efficiency lighting products through midstream (distributor) channels. The Implementation Contactor, TRC Solutions, will achieve the program's objectives through implementation of a cost-effective midstream program for the non-Residential, Commercial & Industrial market throughout the IOUs' territories.

SCE_SW_WP – Statewide Water/Wastewater Pumping Energy Efficiency Program

SCE, on behalf of itself, PG&E, SDG&E, and SCG, as the statewide lead will administer the Statewide Water/Wastewater Pumping Efficiency program through a third-party designed and delivered program. The program targets water extraction, distribution and treatment, waste

water treatment and oil and gas clear water pumping throughout each of the IOU's service territories and comply with the CPUC-established energy efficiency policies within this Solicitation's requirements, as listed in Article 3 of these Solicitation Instructions.

SCG_SW_IP_Colleges PUB-SW-Institutional Partnership: UC/CSU/CCC

The SW Institutional Partnership for UC/CSU/CCC is a SW Third Party program currently under solicitation process. The existing SW UC/CSU/CCC Partnership will continue until the SW Third Party Program launches in later part of 2022.

The University of California/ California State University/ Investor Owned Utility (UC/CSU/IOU) Energy Efficiency Partnership is a statewide program which includes California's four IOU's, PG&E, SCE, Southern California Gas Company (SCG), and SDG&E, as well as the continuation of LA Department of Water and Power (LADWP), in partnership with the UC and CSU. The program generates energy savings through the identification and implementation of energy efficiency projects and through training and education to support those projects. The Partnership consists of three main project types: retrofit, commissioning and new construction.

The California Community Colleges/Investor Owned Utility (CCC/IOU) Energy Efficiency Partnership is a unique, statewide program to achieve immediate and long-term energy savings and peak demand reduction within California's higher education system. The statewide incentive funding for the 2019 program year was utilized to maintain the Partnership program processes and framework established in previous program cycles for sustainable, comprehensive energy management at campuses served by California's four Investor Owned Utilities.

SCG_SW_IP_Gov PUB-SW-Institutional Partnership: DGS & DOC

The SW Institutional Partnership for DGS & DOC is a SW Third Party Program that targets CA State agencies. This new SW Third Party program is administered by PG&E, and is designed and implemented by AESC with support from partners serves state-owned buildings in PG&E, SCE, SoCalGas, and SDG&E service areas which include I-REN service area. The program runs through October 2026. The goal of the program is to help California State Agencies (excluding higher education) reach their Greenhouse Gas (GHG) emission reductions goals while driving towards Zero Net Energy through EE and IDSM project planning, technical support, and financial assistance.

SCG_SW_MCWH SW Midstream Water Heating

SoCalGas SW Midstream Water Heating Program is a SW Third Party program that helps business owners and building managers purchase high-efficiency commercial water heating products at reduced prices and contractors build lower-cost equipment into their bids. Distributors can receive incentives and program support for offering instant point-of-sale rebates to eligible commercial customers of SoCalGas®, Pacific Gas and Electric Company (PG&E®), Southern California Edison (SCE®) or San Diego Gas & Electric (SDG&E®). This program also serves public sector customers for the eligible water heating products.

SCG_SW_FS SW Point-of-Sale Food Service

SoCalGas SW Food Service Program is a SW Third Party program that provides instant rebates for qualifying energy efficient food service equipment through participating dealers. This program also serves public sector customers.

8. Compliance

The following table describes in further detail how I-REN’s Public Sector Technical Assistance and Strategic Energy Planning Program satisfies the REN criteria in D.12-11-0115.

Table 3: I-REN’s 2022 Public Sector Technical Assistance and Strategic Energy Planning Program Compliance with D.12-11-015

REN Criteria	I-REN Public Sector Technical Assistance and Strategic Energy Planning Program – IREN-PUBL-001
1. Activities IOU cannot or does not intend to undertake	<ul style="list-style-type: none"> • Building Upgrade Concierge with personalized end-to-end technical assistance, procurement and project management support, capacity-building, and ongoing commissioning support to ensure efficient operations and maintenance. • I-REN has strong existing relationships with, communication channels to, and support from local jurisdictions as an organization made up of local government agencies.
2. Pilot activities where there is no IOU program offering and where there is potential for scalability	n/a
3. Activities in hard-to-reach markets, whether or not there is an IOU program that may overlap	<ul style="list-style-type: none"> • The program is open to all public sector customers but will target underinvested jurisdictions serving hard-to-reach, DAC, underserved, and ESJ communities where I-REN can help address equity issues such as the unequal access to energy efficiency dollars, the need for additional support and commitment for small and underserved communities, ineffective programs for tribal communities, as well as overall lack of diversity. Many of these communities have been historically underinvested in and have greater needs for facility improvements, particularly community serving facilities such as libraries, community centers and the like. • By supporting energy efficiency projects in these types of facilities, I-REN can provide equitable and locally administered assistance to public sector agencies where benefits will flow directly to disadvantaged and vulnerable communities.

B. PUBLIC SECTOR—PUBLIC BUILDINGS NORMALIZED METERED ENERGY CONSUMPTION (NMEC) PROGRAM – IREN-PUBL-002

I-REN’s Public Sector—Public Buildings Normalized Metered Energy Consumption (NMEC) Program is a resource program (in year two of I-REN program administration) to provide incentives and financing for savings based on NMEC achieved over three to five years, with a special focus on HVAC improvements to community-serving buildings.

1. Summary of I-REN’s Public Buildings NMEC Program Objectives

- a) Allow local governments to leverage an innovative approach that goes beyond code to achieve deep energy savings.
- b) Help local governments afford and finance a range of energy efficiency upgrades.

2. Summary of Program Differentiation

The following table provides a summary of the PAs’ respective Public Buildings NMEC programs.

Table 4: I-REN, SoCalREN, SCE, and SoCalGas Public Buildings NMEC Programs Summary

Program Parameters	I-REN	SoCalREN	SCE Public Sector Performance-Based Retrofit High Opportunity Program [SCE-13-L0031]	SoCalGas High Opportunity Projects – Metered and Performance Based Retrofits
Target Audience(s)	<ul style="list-style-type: none"> • Members of the I-REN COGs, counties, cities, school districts, water districts, special districts, and tribal communities 	Public Agencies served by SCE and/or SoCalGas: Cities, counties, tribes, local government hospitals and hospital districts,	Public Sector	All eligible Public Sector customers

Program Parameters	I-REN	SoCalREN	SCE Public Sector Performance-Based Retrofit High Opportunity Program [SCE-13-L0031]	SoCalGas High Opportunity Projects – Metered and Performance Based Retrofits
	<ul style="list-style-type: none"> • Hard-to-reach, disadvantaged, low income, and other vulnerable communities • Community centers, libraries, senior centers, schools, and fire and police buildings • Educational institutions 	water districts, K-12 schools, wastewater districts, sanitation districts, ports, airports, and other special districts.		
Resource or Non-Resource	Resource	Resource	Resource	Resource
Eligible Measures	Any measure that reduces energy usage including but not limited to HVAC, controls, foodservice, appliances, water heating, lighting	CMPA Methodology – includes whole building retrofits and behavioral and operational savings.	CMPA Methodology – includes whole building retrofits and behavioral and operational savings	CMPA Methodology – includes whole building retrofit and behavioral and operational savings; NMEC protocol
Budget	\$3,185,292	\$XXX,XXX*	\$562,423*	TBD*

*SoCalREN, SCE and SoCalGas 2022 budgets provided herein are estimates merely for reference only. The final budgets are subject to Commission approval of 2022-23 BBAL Advice Letter.

The following table compares the key program parameters of PAs’ public sector NMEC programs.

Table 5: I-REN, SoCalREN, SCE, and SoCalGas Public Buildings NMEC Program Comparison

Program Parameters	I-REN	SoCalREN	SCE Public Sector HOPPs Program	SoCalGas
Eligible Facilities	<ul style="list-style-type: none"> Buildings and non-facilities (e.g., exterior lighting) Special focus on community centers, libraries, senior centers, schools, and fire and police buildings 	Eligible facility types per the most recent version of the CPUC NMEC Guidelines	Buildings	Public Sector buildings and non-building facilities or systems
Eligible Agencies	Counties, cities, school districts, water districts, special districts, and tribal communities	<ul style="list-style-type: none"> Public Agencies served by SCE and/or SoCalGas: Cities, counties, tribes, local government hospitals and hospital districts, water districts, K-12 schools, wastewater districts, sanitation districts, ports, airports, and other special districts. Focus on DAC, rural, and low-income communities. 	All Public Sector	All Public Sector customers
Eligible Measures	Any measure that reduces energy usage including but not limited to HVAC, controls, foodservice, appliances, water heating, lighting	Any measure that reduces energy usage	Any measure that reduces energy usage, must include at least one retrofit	Any measure that reduces energy usage to achieve 20% savings and a minimum of 7,000 Therms and suitable for NMEC feasibility
Technical Assistance	Project scope development, procurement assistance, project	Modeling and M&V Plan, post implementation training, performance	Modeling, M&V Plan, Project Management, Financial Analysis &	M&V Plan, facility audit, EE education related to retrofits, performance tracking

Program Parameters	I-REN	SoCalREN	SCE Public Sector HOPPs Program	SoCalGas
	management, operations and commissioning	tracking and savings persistence	Services	and savings persistence
Measurement	TBD	CMPA (IPMVP Option C)	CMPA (IPMVP Option C)	CMPA (IPMVP Option C) or other applicable options
Baseline	Existing conditions	Existing conditions.	Existing condition	Existing conditions
Performance Payment	Incentive payment based on energy savings achieved over 3-5 years	Incentives provided post-implementation measurement and verification of savings on scheduled intervals	Monetary Incentives provided on post-implementation measurement of energy savings based on meter data	Incentive provided on a post-implementation measurement of energy savings based on meter data
Resource or Non-Resource	Resource	Resource	Resource	Resource
Approval Process	TBD	Streamlined Process within CPUC NMEC Guidelines that will go through the CMPA	CPUC HOPPS Guidelines	CPUC HOPPs Guidelines
2022 Status	New/launching	In the market as of April 2019; incentives offered upon approval of the 2022 BBAL	Not accepting new projects	TBD

3. Comparable SoCalREN Program – Public Agency NMEC Program – SCR-PUBL-B3

Under the Public Agency NMEC Projects Program, SoCalREN employs a NMEC framework and targets projects that are identified by the SoCalREN EE PDP or SoCalREN DER DAC program are limited by support and incentives through existing EE resource programs. This Program provides an alternative to the existing utility and third-party programs, while pursuing

stranded potential in public agency facilities and buildings. This Program is a resource program, so EE savings from these projects contribute to SoCalREN program goals and cost-effectiveness calculations. The program targets DAC, rural, and low-income communities by offering increased incentives for these equity communities.

SoCalREN targets agencies who are enrolled in the EE PDP and DER DAC EE PDP and have facilities that have not recently participated in utility programs. Participating agencies also benefit from the SoCalREN Program's project management expertise and technical services. Similar to the partner IOU NMEC programs, engineers with experience in ASHRAE energy savings calculation standards and International Performance Measurement and Verification Protocols (IPMVP) will be prioritized in executing NMEC projects. The SoCalREN Public Agency NMEC Program provides technical assistance, application technical review, staff training, and facility savings reports to ensure persistence of savings while adhering to CPUC NMEC Guidelines that go through the CMPA process. The SoCalREN Public Agency NMEC Program differs from the IOUs NMEC programs by providing staff training, regular savings reports post installation, and a focus on equity through the provision of enhanced incentives for equity communities.

4. Comparable SCE Program – Public Sector Performance-Based Retrofit High Opportunity Program – SCE-13-L-003I

SCE's Public Sector Performance-Based Retrofit High Opportunity Program, an NMEC program, is ending this year. However, there will be a pipeline of projects in development and/or implementation throughout 2022.

5. Comparable SoCalGas Program – HOPPs Program – SCG3710

The program design for the new/launching SoCalGas HOPPs Program under SCG3710 Calculated Incentives is not yet available.

6. Coordination Protocol Between Programs

The Joint PAs will coordinate as new and launching programs are contracted and designed in order to operationalize coordination, with an understanding that new market support and equity programs might also provide similar services. As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan coordination activities.

7. Coordination Between Statewide Program(s)

As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan coordination activities. The Joint PAs will continue to participate in Energy Division-led Peer Coordination Groups (PCGs). The statewide PCGs enable collaborative statewide discussions regarding all programs across all PAs throughout the state, not just those in Southern California.

8. Compliance

The following table describes in further detail how I-REN’s Public Sector NMEC Program satisfies the REN criteria in D.12-11-0115.

Table 6: I-REN’s 2022 Public Sector NMEC Program Compliance with D.12-11-015

REN Criteria	I-REN Public Buildings NMEC Program – IREN-PUBL-002
1. Activities IOU cannot or does not intend to undertake	n/a

REN Criteria	I-REN Public Buildings NMEC Program – IREN-PUBL-002
2. Pilot activities where there is no IOU program offering and where there is potential for scalability	n/a
3. Activities in hard-to-reach markets, whether or not there is an IOU program that may overlap	<ul style="list-style-type: none"> • The program is open to all public sector customers but will target underinvested jurisdictions serving hard-to-reach, DAC, underserved, and ESJ communities where I-REN can help drive equity outcomes. • Program outreach will focus initially on public gathering spaces and community-serving facilities such as community and neighborhood centers, health and recreation centers, senior centers, teen centers, and libraries. • Upgrades and retrofits to HVAC and lighting equipment both interior and exterior will improve comfort and safety at facilities that benefit vulnerable populations such as children, elders, and low income, disadvantaged, and underserved communities.

C. WORKFORCE EDUCATION AND TRAINING – TRAINING AND EDUCATION PROGRAM – IREN-WET-001

For its Cross-cutting Sector Workforce Education & Training (WE&T) Training and Education Program, I-REN will assess the current training marketplace in the Inland Empire and work with local providers, including higher education providers, high schools, adult schools, and professional training companies to tailor content to be relevant to the region’s needs and ensure that disadvantaged communities are a focus. I-REN will collaborate with training providers to improve access to a broad spectrum of training opportunities in person, online, and in the field.

1. Summary of I-REN’s Training and Education Program Objectives

- a) Create a robust local network of training programs that increase capacity and knowledge related to energy efficiency in the building industry.

2. Summary of Program Differentiation

The following table provides a summary of the PAs’ respective workforce education & training programs.

Table 7: I-REN, SoCalREN, SCE, and SoCalGas WE&T Training and Education Program Summary

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
Target Audience(s)	<ul style="list-style-type: none"> Local providers, including higher education providers, high schools, adult schools, and professional training companies Disadvantaged communities (DACs) 	<ul style="list-style-type: none"> Architects, designers, engineers, contractors, building operators, technicians, craft/tradesmen, customers, youth, classified disadvantaged workers, and building owners SWMDVBE that can potentially support IOU resource program sectors and local public agencies sustainability projects. Homeless (i.e., at-risk transition youth) In-school youth, youth classified disadvantaged workers, and homeless (i.e., at-risk transition youth). Targets Disadvantaged communities 	Workers who are in or are pursuing occupations in the energy efficiency and other related professional fields that provide the technical capabilities that are needed to support the attainment of CAs and IOU Energy Saving and sustainability targets	Workers in, or pursuing careers and occupations in energy efficiency, gaining and providing professional and technical capabilities, specifically useful for achieving CA-IOU energy savings targets.

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
		(DACs) and Hard to Reach.		
Resource or Non-Resource	Non-resource	Non-resource	Non-resource	Non-resource
Eligible Measures	n/a	n/a	n/a	n/a
Budget	\$1,012,949	\$375,000*	\$8,696,114*	\$4,250,000*

* SoCalREN, SCE and SoCalGas 2022 budgets provided herein are estimates merely for reference only. The final budgets are subject to Commission approval of 2022-23 BBAL Advice Letter.

With location and a more localized focus being the main differentiator across PAs, I-REN will focus largely on entry-level offerings in San Bernardino and Riverside counties. I-REN will help to raise the value of energy efficiency training and career paths within high schools, community colleges, and universities. These focus areas differentiate I-REN from other PAs’ WE&T Training and Education offerings. SoCalREN’s WE&T Program offerings now emphasize a robust regional workforce education and training approach that supports underserved Disadvantaged Workers (DAW) -including at risk youth, Hard to Reach (HTR) and small, women, minority, and disabled veteran owned business enterprises (SWMDVBE). SoCalGas supports entry-level job seekers and workers but is moving to more career paths. SCE’s focus is geared towards incumbent skill building.

The following table compares the key program parameters of PAs’ WE&T training and education programs.

Table 8: WE&T Training and Education Program Comparison

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
Target Audience	<ul style="list-style-type: none"> Local providers, including higher education providers, 	<ul style="list-style-type: none"> Targets the most underserved and disadvantaged 	Workers who are in or are pursuing occupations in the	Workers in, or pursuing careers and occupations in

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
	<p>high schools, adult schools, and professional training companies</p> <ul style="list-style-type: none"> Disadvantaged communities (DACs) 	<p>workers (DAW) and Hard to Reach (HTR) Architects, designers, engineers, contractors, building operators, technicians, craft/tradesmen, customers, youth, classified disadvantaged workers, and building owners</p> <ul style="list-style-type: none"> SWMDVBE that can potentially support IOU resource program sectors and local public agencies sustainability projects. Homeless (i.e., at-risk transition youth) In-school youth, youth classified disadvantaged workers, and homeless (i.e., at-risk transition youth). Targets Disadvantaged communities (DACs) and Hard to Reach. 	<p>energy efficiency and other related professional fields that provide the technical capabilities that are needed to support the attainment of CAs and IOU Energy Saving and sustainability targets.</p>	<p>energy efficiency, gaining and providing professional and technical capabilities, specifically useful for achieving CA-IOU energy savings targets.</p>
<p>Location of Training</p>	<ul style="list-style-type: none"> In field/on-the-job Online 	<p>In field, on-job and online.</p>	<ul style="list-style-type: none"> Energy Education Centers (Irwindale/Tulare) Alternative training sites (On 	<p>In-person (Energy Resource Center, vendor sites) and Online</p>

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
			Location) <ul style="list-style-type: none"> • Virtual (Live Instructor Led) • On-Demand 	
Training Types	<ul style="list-style-type: none"> • In-person • Online 	<ul style="list-style-type: none"> • In-person • Online 	<ul style="list-style-type: none"> • In-person • Online 	In-person (Energy Resource Center, vendor sites) and Online
Statewide/Local	Local	<ul style="list-style-type: none"> • Local • Regional 	Local	Local
Partner Organizations	<ul style="list-style-type: none"> • Educational institutions • Trade associations • Industry and non-profit organizations • Certification organizations • Government agencies 	<ul style="list-style-type: none"> • Public Agencies • Nonprofit organizations • High schools • Community Colleges • 3rd party implementers • Workforce centers 	<ul style="list-style-type: none"> • Other IOUs • Industry associations • Post- secondary education • Business networks • Regional workforce services • Non-profit Organizations 	<ul style="list-style-type: none"> • Educational institutions • Trade associations • Industry and non-profit organizations • Certification organizations • Government agencies

3. Comparable SoCalREN Program – Workforce Education & Training Program – SCR-WET-D1

SoCalREN has historically utilized policies and instruments for local hiring and workforce partnerships while developing infrastructure for small and minority contractors to access clean energy investments. SoCalREN’s WE&T Program offerings emphasizes a robust regional workforce education and training approach that supports underserved Disadvantaged Workers (DAW), Hard to Reach (HTR)and small, women, minority, and disabled veteran owned business enterprises (SWMDVBE). The primary goal of this Program is to provide the ability to build capacity within the EE industry with a local regional approach. Similar to its other non-resource programs, the SoCalREN WE&T Program leverages public agencies to reach and

engage communities while simultaneously building its underserved workforce, thus providing long term workforce supply in the EE industry. The SoCalREN WE&T Program provides: 1) comprehensive regional workforce education, training, and resources for DAW/HTRs and SWMDVBE contractors of all skill levels; 2) entry-level workforce skills training for in-school youths 3) SWMDVBE contractors' local government public agency training and capacity building in regard to sustainability projects and RFPs; and 4; and 2) a green career pathway for classified at-risk and or homeless individuals, such as transition age at-risk foster youth.

4. Comparable SCE Program – Integrated Energy Education & Training Program – SCE-13-SW-010A

The SCE WE&T Integrated Energy Education & Training Program (IEET) offers resources and training programs that are aimed at shaping the current and future energy workforce through a series of occupational, employer, and technology-focused workshops and seminars, combined with workplace-based and hands-on technical training. This program aims to provide technical upskill and pathways certifications and credentials in energy efficiency-related industries that also support California's clean energy objectives.

In addition to the training courses offered, SCE maintains a Foodservice Technology Center where they conduct training, standards-based equipment testing, and evaluations that further enhance the commercialization of emerging energy efficient technologies and programs. These services are delivered with technical integrity and scientific rigor to ensure our partners stay competitive and maintain cost effectiveness.

The Energy Centers provide a host of other value-added customer programs and services such as the Tool Lending Library and conduct technical tours and consultations, all of which are available at no-cost to the customer.

5. Comparable SoCalGas Program – WE&T Integrated Energy Education Training (IET) – SCG3729

The SoCalGas WE&T Integrated Energy Education Training (IET) subprogram will offer both technical and foodservice workforce education, training and outreach events that can leverage I-REN local contacts to inform and equip workforce talent with skills to assist in meeting the State’s energy and climate goals.

The WE&T Program contributes to the investor-owned utilities’ (IOUs’) energy efficiency goals by empowering customers and market actors with the knowledge to make energy reduction decisions. WE&T’s primary target audience includes market actors who design, build, maintain, and operate buildings and building systems—engineers, technicians, building operators, designers, contractors, etc. Because these market actors have the potential to shape a building’s energy use, WE&T teaches them how to recognize energy savings and balanced energy solutions to address GHG-reduction, and then provides them skills, tools, and resources to act upon those opportunities. Additionally, WE&T supports Post-secondary institutions that are training future generations of the energy workforce by providing them energy efficiency, sustainability, and green career awareness classes, internships, materials and resources

6. Coordination Protocol Between Programs

I-REN is in communication with other PAs operating in the region to identify areas of potential coordination for WE&T activities. As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan coordination activities.

I-REN will ensure its activities are differentiated and avoid duplication of effort, while maintaining cooperation with other PAs to improve access to relevant training opportunities

across the I-REN counties. An opportunity that I-REN will explore is to support the critical connection to workforce entry for entry-level youth, which may include outreach to employers and work to get them involved. There is opportunity to create pathways to move from high school to non-college routes. They will work collaboratively to feed those entry-level specialists who are prepared for a higher training level into IOU programs.

Time is a critical issue in the education and training of the EE workforce. More than ever, it is vital for employees within the EE industry to stay up to date with emerging technologies and trends. The Joint PAs will work together to establish relevant training curriculum, especially for community colleges.

7. Coordination Between Statewide Program(s)

As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan coordination activities. With PG&E as the statewide administrator for the Career and Workforce Readiness (CWR) and Career Connections WE&T subprograms, the Joint PAs will collaborate to leverage those statewide programs. I-REN will stay abreast of developments pertaining to these statewide programs and coordinate with PG&E to the extent possible to engage with the implementation vendor to discuss a coordination strategy. The Joint PAs will take advantage of opportunities for greater coordination and communication with other PAs as needed with regard to statewide programs.

8. Compliance

The following table describes in further detail how I-REN's WE&T Training and Education Program satisfies the REN criteria in D.12-11-0115.

Table 9: I-REN’s 2022 WE&T Training & Education Program Compliance with D.12-11-015

REN Criteria	I-REN WE&T Program – IREN-WET-001
1. Activities IOU cannot or does not intend to undertake	<ul style="list-style-type: none"> • I-REN’s WE&T program activities will center on supporting and leveraging local resources who are ideally positioned to deliver locally-focused, relevant, accessible training opportunities. • Offering training at familiar, nearby locations makes it easier for job seekers and workers to attend. I-REN can use its connections and experience to help ensure training opportunities are accessible throughout the region. • The I-REN governing agencies have existing partnerships with local colleges and community colleges, successfully providing instructional energy efficiency classes and events at local campuses where they have typically achieved high participation rates.
2. Pilot activities where there is no IOU program offering and where there is potential for scalability	n/a
3. Activities in hard-to-reach markets, whether or not there is an IOU program that may overlap	I-REN’s WE&T program activities will drive market support and equity outcomes for HTR, underserved, DAC, and ESJ communities by partnering with and building capacity among local community-focused training providers to improve quality of and access to relevant training opportunities.

D. WORKFORCE EDUCATION AND TRAINING – WORKFORCE DEVELOPMENT PROGRAM – IREN-WET-001

I-REN will convene and collaborate with state, regional, and local stakeholders, including workforce investment boards (WIBs) and economic development departments to develop a unified mission around the region’s energy efficiency workforce, highlighting pathways for job seekers to enter the green jobs market and to increase access for disadvantaged communities. I-REN will facilitate identifying opportunities for employers and local workforce partners to network and connect.

With its governing agencies’ existing networks of contractors and training providers, I-REN is well positioned to help bridge the gap between the energy industry and the workforce. I-REN is building partnerships with local community colleges, local universities and local WIBs to establish a comprehensive network of WE&T offerings.

I-REN also brings close connections with local government planning and building departments across the region. I-REN’s proposed WE&T initiatives offer important opportunities for collaboration across other sectors through its work in the Public Sector and Codes & Standards (C&S) --both of which are important drivers of energy efficiency and advanced energy activity and employment in the region.

1. Summary of I-REN’s Workforce Development Program Objectives

- a) Increase the number of skilled energy efficiency workers in the region.

2. Summary of Program Differentiation

The following table provides a summary of the PAs’ respective workforce development programs.

Table 10: I-REN, SoCalREN, SCE, and SoCalGas WE&T Workforce Development Program Summary

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
Target Audience(s)	<ul style="list-style-type: none"> • State, regional, and local stakeholders, including workforce investment boards (WIBs) and economic development departments • Job seekers, 	<ul style="list-style-type: none"> • Targets the most underserved and disadvantaged workers (DAW) and Hard to Reach (HTR) Architects, designers, engineers, contractors, building 	Those workers who are in or pursuing occupations in the energy efficiency and other related fields that provide professional and technical capabilities needed to support the	Workers in, or pursuing careers and occupations in energy efficiency, gaining and providing professional and technical capabilities, specifically useful

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
	including students; individuals who are unemployed, or underemployed; job seekers looking to enter the energy efficiency and advanced energy industry; and job seekers currently working in the industry who seek to make lateral career moves or advance in their fields.	operators, technicians, craft/tradesmen, customers, youth, classified disadvantaged workers, and building owners <ul style="list-style-type: none"> • SWMDVBE that can potentially support IOU resource program sectors and local public agencies sustainability projects. • Homeless (i.e., at-risk transition youth) In-school youth, youth classified disadvantaged workers, and homeless (i.e., at-risk transition youth). • Targets Disadvantaged communities (DACs) and Hard to Reach. 	attainment of CAs and IOU Energy Savings and sustainability targets.	for achieving CA-IOU energy savings targets. Training will be conducted at Energy Center, alternative site locations and distribution channels in collaboration as appropriate, with non-IOU sources, feasible for reaching target audiences.
Resource or Non-Resource	Non-resource	Non-resource	Non-resource	Non-resource
Eligible Measures	n/a	n/a	n/a	n/a
Budget	\$1,240,346	\$375,000*	\$8,696,114 * ⁵	\$X,XXX,XXX*

*SoCalREN, SCE and SoCalGas 2022 budgets provided herein are estimates merely for reference only. The final budgets are subject to Commission approval of 2022-23 BBAL Advice Letter.

⁵ Note that the \$8,696,114 budget reflects the same budget for SCE’s WE&T - Integrated Energy Education & Training Program budget shown on Table 7 in Section C subsection 2 above. The two budgets are the same and should not be counted as separate.

One differentiating factor for I-REN’s program is that it will target job seekers, students, and workers and partner organizations, such as state, regional, and local stakeholders, including workforce investment boards (WIBs) and economic development departments in order to build partnerships. This partnership focus aligns well with RENs’ historical role as convener of stakeholders and partners due to their close ties with their local and regional communities. Location is another differentiator.

I-REN will prioritize HTR, disadvantaged, underserved, and ESJ communities, and the organizations within those communities that support workforce development. I-REN will help to raise the value of energy efficiency career paths within high schools, community colleges, and universities. These focus areas differentiate I-REN from other PAs’ WE&T Workforce Development offerings. SoCalGas supports entry-level job seekers and workers but is moving to more career paths. SCE’s focus is geared towards incumbent skill building.

The following table compares the key program parameters of PAs’ WE&T workforce development programs.

Table 11: WE&T Workforce Development Program Comparison

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
Target Audience	Job seekers, including students; individuals who are unemployed, or underemployed; job seekers looking to enter the energy efficiency and advanced energy industry; and job seekers currently working in the industry who seek to make lateral career moves or advance in their fields.	Targets the most underserved and disadvantaged workers (DAW) and Hard to Reach (HTR) - SWMDVBE that can potentially support IOU resource program sectors and local public agencies	Job seekers, including K-12 students; individuals who are unemployed, or underemployed; those interested in entering the energy efficiency and/or advanced energy industry; and those currently working	K-12 Job seekers, including students; individuals who are unemployed, or underemployed; job seekers looking to enter the energy efficiency and advanced energy industry; and job seekers currently

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
		sustainability projects.	in the industry who are interested in making career changes or further advancing in their fields.	working in the industry who seek to make lateral career moves or advance in their fields.
Location of Training	n/a	<ul style="list-style-type: none"> • Through local public agency training channels. • In field and online. 	n/a	n/a
Training Types	n/a	In-Person/online	n/a	n/a
Statewide/Local	Local	Local	Statewide	Statewide
Partner Organization	State, regional, and local stakeholders, including workforce investment boards (WIBs) and economic development departments	<ul style="list-style-type: none"> • Public Agencies • Nonprofit organizations • Unions • 3rd party implementers • Workforce centers 	SCE will coordinate with PG&E and the vendor to the extent possible to engage the REN supporting program coordination	SoCalGas will coordinate with PG&E to the extent possible to engage the I-REN with the implementation vendor to discuss a coordination strategy

3. Comparable SoCalREN Program – Workforce Education & Training Program – SCR-WET-D1

SoCalREN has historically utilized policies and instruments for local hiring and workforce partnerships while developing infrastructure for small and minority contractors to access clean energy investments. SoCalREN’s WE&T Program offerings emphasize a robust regional workforce education and training approach that supports underserved Disadvantaged Workers (DAW), Hard to Reach (HTR) and small, women, minority, and disabled veteran owned business enterprises (SWMDVBE). The primary goal of this Program is to provide the ability to build capacity within the EE industry with a local regional approach. Similar to its

other non-resource programs, the SoCalREN WE&T Program leverages public agencies to reach and engage communities while simultaneously building its underserved workforce, thus providing long term workforce supply in the EE industry.

The SoCalREN WE&T Program provides: 1) comprehensive regional workforce education, training, and resources for DAW/HTRs and SWMDVBE contractors of all skill levels; 2) entry-level workforce skills training for in-school youths 3) SWMDVBE contractors' local government public agency training and capacity building in regard to sustainability projects and RFPs; and 4) a green career pathway for classified at-risk and or homeless individuals, such as transition age at-risk foster youth.

4. Comparable SCE Program – N/A

SCE does not have a specific Workforce Development Program. Instead, SCE participates in the Statewide Career Workforce Readiness (CWR) Program, known as Energize Careers, which is administered by PG&E. Energize Careers aims to create a diverse and representational energy workforce through the economic empowerment of people who experience systemic barriers to employment by helping them to access living wage energy career opportunities. The Energize Careers Program provides holistic services to support disadvantaged workers¹ through technical training, job placement, and wrap-around service support. Energize Careers collaborates with pre-apprenticeship programs, apprenticeship programs, community-based training organizations, and community colleges to provide technical energy job training to underserved individuals. Energize Careers also collaborates with wrap-around service providers and industry partners to provide people with services and support to access career pathways into living wage energy efficiency jobs.

5. Comparable SoCalGas Program

N/A

6. Coordination Protocol Between Programs

I-REN is in communication with other PAs operating in the region to identify areas of potential coordination for WE&T activities. I-REN will ensure its activities are differentiated and avoid duplication of effort, while maintaining cooperation with other PAs to improve access to relevant training opportunities across the I-REN counties. As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan coordination activities which could include but would not necessarily be limited to meetings and shared class lists.

There is a critical opportunity for Joint PAs to connect entry-level youth to good jobs in the EE field. The Joint PAs will collaborate to define employers and work to get them involved. There is opportunity for all PAs to create pathways to move from high school to non-college routes. They will work collaboratively to feed those entry-level specialists who are prepared for a higher training level into IOU programs.

Time is a critical issue in the education and training of the EE workforce. More than ever, it is vital for employees within the EE industry to stay up to date with emerging technologies and trends. The Joint PAs will work together to establish relevant training curriculum, especially for community colleges.

7. Coordination Between Statewide Program(s)

As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan

coordination activities. With PG&E as the statewide administrator for the Career and Workforce Readiness (CWR) and Career Connections WE&T subprograms, the Joint PAs will collaborate to leverage those statewide programs. I-REN will stay abreast of developments pertaining to these statewide programs and coordinate with PG&E to the extent possible to engage the I-REN with the implementation vendor to discuss a coordination strategy. The Joint PAs will take advantage of opportunities for greater coordination and communication with other PAs as needed with regard to statewide programs.

8. Compliance

The following table describes in further detail how I-REN’s WE&T Workforce Development Program satisfies the REN criteria in D.12-11-0115.

Table 12: I-REN’s 2022 WE&T Workforce Development Program Compliance with D.12-11-015

REN Criteria	I-REN WE&T Program – IREN-WET-001
1. Activities IOU cannot or does not intend to undertake	<ul style="list-style-type: none"> I-REN’s WE&T program activities will center on convening, engaging, and building capacity with regional workforce development partners in order to define and establish a green workforce. This program relies on collaboration with established community partner organizations and employers, many of whom have existing connections and trusted relationships with the I-REN member agencies.
2. Pilot activities where there is no IOU program offering and where there is potential for scalability	n/a
3. Activities in hard-to-reach markets, whether or not there is an IOU program that may overlap	I-REN’s WE&T program activities will drive market support and equity outcomes for HTR, underserved, DAC, and ESJ communities by partnering with and building capacity among local community-focused workforce development partners.

E. CODES AND STANDARDS TRAINING & EDUCATION PROGRAM – IREN-CS-001

I-REN’s Codes and Standards (C&S) Training and Education Program is a non-resource program to establish and implement training and education for building department staff and the building industry to support, understand, and effectively implement energy efficiency codes and standards including where gaps exist in the Statewide IOU Compliance Improvement program and enforcement activities. The program will also include outreach to engage, educate and involve regional construction firms and building departments, and support compliance and enforcement within regional EE programs and customers.

1. Summary of I-REN’s C&S Training and Education Program Objectives

- a) Improve the understanding of energy efficiency codes and standards among local building departments and the building industry to increase implementation and compliance and enforcement.
- b) Make code compliance and enforcement a valuable element of the region’s energy efficiency goal attainment with engagement regionwide.

2. Summary of Program Differentiation

The following table provides a summary of the PAs’ respective C&S Training & Education programs.

Table 13: I-REN, SoCalREN, SCE, and SoCalGas C&S Training & Education Programs Summary

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
Target Audience(s)	<ul style="list-style-type: none"> • Local jurisdictions’ building department staff 	n/a	All stakeholders impacted by the energy code	n/a

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
	<ul style="list-style-type: none"> • Permit applicants • Contractors and building professionals • Areas not served by the IOUs (City of Riverside, Imperial Irrigation District service area, etc.) 			
Resource or Non-Resource	Non-resource	n/a	Non-resource	n/a
Eligible Measures	n/a	n/a	n/a	n/a
Budget	\$860,334	n/a	\$3,077,099*	n/a

*SCE 2022 budgets provided herein are estimates merely for reference only. The final budgets are subject to Commission approval of 2022-23 BBAL Advice Letter.

I-REN’s C&S Training & Education Program will be differentiated from comparable programs by the more localized geographic area in which trainings will be focused, in Riverside and San Bernardino counties, enabling contractors to more easily attend trainings. I-REN brings existing relationships with important training partners in the region, such as colleges, NGOs, CBOs, trade organizations, and regional entities. Another differentiating factor will be I-REN’s focus on serving HTR, DAC, underserved, tribal, and ESJ communities.

I-REN trainings will also be differentiated by topic, with trainings tailored to the region’s climate zones and the needs of the region’s local jurisdictions, building department staff, and building professionals. I-REN has an understanding of local councils, cities, and communities and their priorities and the ability to navigate the local political climate, which is important for supporting local government jurisdictions. I-REN’s familiarity with its communities will be important to inform and deliver regionally relevant training offerings that may not otherwise be

available. I-REN will also coordinate its C&S activities with its WE&T offerings to integrate code compliance and enforcement into technical trainings.

3. Comparable SoCalREN Program

N/A

4. Comparable SCE Program – Compliance Improvement Subprogram – SCE-13-SW-008C

The IOU Compliance Improvement subprogram⁶ (of which Energy Code Ace is a key component) targets actors within the building and appliance energy code supply chains to maintain comprehensive statewide compliance with energy codes and appliance standards, such as: manufacturers, distributors, retailers, architects, energy consultants, contractors, plans examiners, building inspectors, etc. Whereas the California Energy Commission is responsible for implementing state policy by establishing new Codes and Standards, others (architects, energy consultants, mechanical engineers, IOUs, builders, contractors, etc.) are responsible for interpreting the code and completing compliance forms while jurisdictions’ building departments are responsible for enforcing the code. Building codes and appliance standards can be difficult to understand and time consuming to implement, therefore some industry actors fail to comply with regulatory requirements fully.

Compliance improvement program needs are determined through a performance-based solution approach to identify training, tools, resources and outreach necessary to narrow the gap between actual and desired performance, and principals of adult learning theory are employed to improve knowledge swings during training and increase long-term retention. Multiple training

⁶ The Compliance Improvement subprogram is a statewide program offered by all IOUs

modalities are used to maximize student participation. With a few exceptions, a consistent curriculum, featured on EnergyCodeAce.com, is developed by the compliance improvement program and delivered statewide by a team of subject matter experts.

5. Comparable SoCalGas Program

N/A

6. Coordination Protocol Between Programs

I-REN is in communication with other PAs operating in the region to identify areas of potential coordination for C&S activities. The I-REN governing agencies also bring experience coordinating with other PAs through their LGP work. I-REN will ensure its activities are differentiated and avoid duplication of effort, while maintaining cooperation with other PAs.

As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan coordination activities. Through the JCM process I-REN and other PAs have already identified potential opportunities to collaborate on the delivery of workshops and trainings where appropriate to provide greater accessibility and regionally relevant training content to local jurisdictions and building professionals.

7. Coordination Between Statewide Program(s)

As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan coordination activities. The Joint PAs will coordinate to ensure that ratepayer funds deliver resources efficiently and effectively across the shared territories, including coordination with PG&E as administrator of the statewide Codes & Standards program. With that in mind, the Joint

PAs will approach coordination with the goal of offering transparency through regular communication, efficiency through a collaborative approach to any shared resources, and support for the success of programs across the service area. The Joint PAs will meet regularly to coordinate on the WE&T and C&S programs.

The Joint PAs will share their respective lists of available C&S trainings including those in development stages. Whenever feasible, PAs will leverage existing curriculum and training by communicating training needs via email or in regular coordination meetings. A clear chain of communication and identified contacts will be exchanged for each program and/or sub-program.

IOUs' Compliance Improvement team representative will provide a list of trainings to I-REN on a quarterly basis and will include the following information:

- Class name(s)
- Description(s)
- Instructor name(s)
- Course length time
- Mode of access and location (ex: in-person, training center/city, online)
- Class schedule (if one exists)
- Course agenda

Additionally, a standing agenda item at the quarterly meeting will be to discuss the topics of trainings in development, even if only at a high level. This will reduce the potential for duplication of efforts.

The Joint PAs will determine which existing offerings can be leveraged and coordinate to deliver these resources. I-REN will develop a calendar with potential dates, of when these offerings can be delivered to various audiences in the tri-county region. This calendar will be shared with the Joint PAs and scheduled based on the availability and resource requirements.

The Joint PAs will make each other aware of resources available as courses are scheduled for delivery and new job aides (Energy Code Ace “resources” or “tools”) are developed. A portion of the Statewide C&S Team’s training schedule is set at the beginning of the year while the rest remains flexible since most courses are offered upon request as a result of the team’s outreach efforts. All offerings are posted on the Energy Code Ace website training page as courses are scheduled.

8. Compliance

The following table describes in further detail how I-REN’s C&S Training and Education Program satisfies the REN criteria in D.12-11-0115.

Table 14: I-REN’s 2022 C&S Training and Education Program Compliance with D.12-11-015

REN Criteria	I-REN C&S Training and Education Program – IREN-CS-001
1. Activities IOU cannot or does not intend to undertake	<ul style="list-style-type: none"> • As an organization led by and dedicated to serving local governments, I-REN can provide flexible and adaptable solutions to support local jurisdictions. • I-REN brings an understanding of local councils, cities, and communities and their priorities and the ability to navigate the local political climate which is important for delivering support to local government jurisdictions. • I-REN’s C&S initiatives will offer locally focused training, education, and tools to support codes and standards implementation, enforcement, and compliance activities.
2. Pilot activities where there is no IOU program offering and where there is potential for scalability	n/a

REN Criteria	I-REN C&S Training and Education Program – IREN-CS-001
3. Activities in hard-to-reach markets, whether or not there is an IOU program that may overlap	The program is open to all local jurisdictions but will provide targeted outreach to underinvested jurisdictions serving hard-to-reach, DAC, underserved, tribal, and ESJ communities where I-REN can help drive market support and equity outcomes and cross-cutting workforce-related objectives.

F. CODES AND STANDARDS TECHNICAL SUPPORT PROGRAM – IREN-CS-001

I-REN’s Codes and Standards (C&S) Technical Support Program is a non-resource program to develop technical assistance tools and resources to assist building departments and the building industry with understanding, evaluating, and permitting the energy codes to support improved enforcement and compliance. I-REN will develop regionally appropriate model ordinances, vet and refine them with participating local governments, provide ongoing technical assistance for implementation, and deliver updates to reflect the triennial code cycle.

1. Summary of I-REN’s C&S Technical Support Program Objectives

- a) Deliver locally informed resources and tools that streamline code compliance and enforcement and increase permit closeout.

2. Summary of Program Differentiation

The following table provides a summary of the PAs’ respective C&S Technical Support program.

Table 15: I-REN, SoCalREN, SCE, and SoCalGas C&S Technical Support Program Summary

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
Target Audience(s)	<ul style="list-style-type: none"> • Local jurisdictions’ 	n/a	All stakeholders impacted by the	n/a

Program Parameters	I-REN	SoCalREN	SCE	SoCalGas
	building department staff <ul style="list-style-type: none"> • Permit applicants • Contractors and building professionals • Areas not served by the IOUs (City of Riverside, Imperial Irrigation District service area, etc.) 		energy code	
Resource or Non-Resource	Non-resource	n/a	Non-resource	n/a
Eligible Measures	n/a	n/a	n/a	n/a
Budget	\$585,773	n/a	\$3,077,099* ⁷	n/a

*SCE 2022 budgets provided herein are estimates merely for reference only. The final budgets are subject to Commission approval of 2022-23 BBAL Advice Letter.

I-REN’s C&S Technical Support Program will be differentiated from similar programs offered by other PAs by the geographic area in which technical support will be offered, to jurisdictions in the counties of Riverside and San Bernardino. Another differentiating factor will be I-REN’s focus on serving HTR, DAC, underserved, tribal, and ESJ communities. I-REN brings existing relationships with the cities in its territory from its work in local government as a convener and facilitator for issues affecting local jurisdictions. I-REN’s existing network of relationships and understanding of local councils, cities, and communities and their priorities and

⁷ Note that the \$3,077,099 budget reflects the same budget for SCE’s Codes & Standards Compliance Improvement subprogram budget shown on **Error! Reference source not found.** in Section E subsection 2 above. The two budgets are the same and should not be counted as separate.

the ability to navigate the local political climate will be important for the on-the-ground support needed to reach building department staff.

I-REN's C&S Technical Support Program will provide one-stop-shop access for its local jurisdictions and building department staff without competing against or duplicating statewide or other regional resources. I-REN's familiarity with its communities will be important to inform and deliver regionally-relevant technical support, such as development and implementation of reach codes and model ordinances.

3. Comparable SoCalREN Program

N/A

4. Comparable SCE Program – Compliance Improvement Subprogram – SCE-13-SW-008C

In addition to the training activities enumerated in the previous section, the Compliance Improvement (CI) Subprogram also provides a comprehensive suite of online and interactive tools and resources to support market actors in streamlining their code compliance workflow.

The tools offered on the Energy Code Ace website are comprised of a suite of interactive applications to help users understand compliance processes, installation techniques, which forms are required, and energy efficiency regulations applicable to building projects and appliances in California.

Resources include an array of downloadable materials providing practical and concise guidance on how and when to comply with California's building and appliance energy efficiency standards. The resources that the (CI) subprogram has developed address the lack of time and

resources for industry professionals by providing web-based job aids that are downloadable for quick reference. Some of the key available tools and resources include:

- “Submit a Question” – Online portal providing market actors the opportunity to submit their compliance questions for subject matter expert review and response
- Q&Ace – Searchable database of FAQ’s, including common questions fielded by subject matter experts through the “Submit a Question” portal
- Checklists – Step-by-step guidance for plan checks and field inspections to help ensure compliance with the Energy Code
- Forms Ace – Helps market actors determine which forms are applicable to their project scope prior to submittal, to focus their efforts and avoid filling out unnecessary paperwork
- Virtual Compliance Assistant – “TurboTax” style interface that generates compliance forms for project teams by guiding them through a series of direct questions about their projects
- Reference Ace – An online hyperlinked version of the energy code which is easier to navigate than a PDF or hard copy code book
- Image Ace – Provides helpful diagrams and images to better illustrate efficiency concepts and code requirements
- Timeline Ace – Graphically shows when specific Energy Code requirements are going into effect

5. Comparable SoCalGas Program

N/A

6. Coordination Protocol Between Programs

I-REN is in communication with other PAs operating in the region to identify areas of potential coordination for C&S activities, and the I-REN governing agencies bring experience coordinating with other PAs through their LGP work. Coordination activities could include but would not be limited to calling on existing IOU resources for training as needed. I-REN will ensure its activities are differentiated and avoid duplication of effort, while maintaining cooperation with other PAs. As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan coordination activities.

7. Coordination Between Statewide Program(s)

As a new PA, I-REN has not yet contracted with implementers. Within 60 days of implementer(s) being contracted for the relevant programs, the Joint PAs will reconvene to plan coordination activities. The Joint PAs will coordinate to ensure that ratepayer funds deliver resources efficiently and effectively across the shared territories, including coordination with PG&E as administrator of the statewide Codes & Standards program. With that in mind, the Joint PAs will approach coordination with the goal of offering transparency through regular communication, efficiency through a collaborative approach to any shared resources, and support for the success of programs across the service area. The Joint PAs will meet regularly to coordinate on the WE&T and C&S programs.

8. Compliance

The following table describes in further detail how I-REN’s C&S Technical Support Program satisfies the REN criteria in D.12-11-0115.

Table 16: I-REN’s 2022 C&S Technical Support Program Compliance with D.12-11-015

REN Criteria	I-REN C&S Technical Support Program – IREN-CS-001
1. Activities IOU cannot or does not intend to undertake	<ul style="list-style-type: none"> • As an organization led by and dedicated to serving local governments, I-REN can deliver locally informed resources and tools that streamline code compliance and enforcement and increase permit closeout, in coordination with other PAs to leverage existing resources and avoid duplication. • I-REN’s C&S interventions rely on relationships and communication. I-REN is uniquely positioned to serve the C&S sector because the I-REN governing agencies already have extensive connections throughout the region with local building and planning departments, including code officials and permitting staff at all levels, and many of the private construction and architectural firms who frequently apply for permits.
2. Pilot activities where there is no IOU program offering and where there is potential for scalability	<p>n/a</p>
3. Activities in hard-to-reach markets, whether or not there is an IOU program that may overlap	<p>The program is open to all local jurisdictions but will provide targeted outreach to underinvested jurisdictions serving hard-to-reach, DAC, underserved, and ESJ communities where I-REN can help drive market support and equity outcomes and cross-cutting workforce-related objectives.</p>

IV. I-REN PROGRAM COMPLIANCE

A. I-REN PROGRAM COMPLIANCE WITH D.12-11-015 AND D.19-12-021

The majority of the activities outlined in I-REN's Business Plan are non-resource programs, designed to support and enhance the activities of other PAs, with a targeted local government resource program not currently provided to its member audiences.

The CPUC in Decision 12-11-015, Decision 16-08-019, Decision 18-05-041, and refined in decision 19-12-021, directed the REN's activities to three areas:⁸⁹¹⁰¹¹

- Activities that utilities or CCA program administrators cannot or do not intend to undertake.
- Pilot activities where there is no current utility or CCA program offering, and where there is potential for scalability to a broader geographic reach, if successful.
- Activities serving hard-to-reach markets, whether or not there is another utility or CCA program that may overlap.

I-REN has focused on these three criteria areas and the need to provide value for ratepayers in the development of its program portfolio. The I-REN governing agencies worked for nearly 18 months coordinating, developing, and refining the presented sectors to ensure they do not overlap and instead fill clear gaps, address hard-to-reach communities, and assess opportunities to pilot new ideas that could be scaled beyond the I-REN region. I-REN has

⁸ D.12-11-015, p. 17.

⁹ D.16-08-019, pp. 11-12.

¹⁰ D.18-05-041, p. 95.

¹¹ D.19-12-021, p. 32.

reviewed the CPUC guidance and pertinent decisions and is confident that it is well suited and needed to ensure equitable and effective energy efficiency services and resources to the region.

B. I-REN UNDERTAKING ACTIVITIES THAT UTILITIES CANNOT OR DO NOT INTEND TO UNDERTAKE.

A critical differentiation between I-REN and the other PAs' programs is the relationships I-REN has with its constituents, partners, and local governments, which is enhanced by their proximity and historic record of service for those entities. I-REN's ability to tailor and serve San Bernardino County and Riverside County entities will only grow as their programs are implemented. Recognizing these relationships will be important in the coming year as the Joint PAs navigate and avoid any duplication of services and avoid customer confusion.

These relationships are especially important in serving the public sector. Local government agencies and districts that make up the I-REN public sector are challenged in trying to improve the energy efficiency of their equipment and facilities, given various barriers including but not limited to insufficient funding for capital improvements, a lack of awareness around energy efficiency and IOU programs, complicated and long cycles times for approval processes for budgets and spending, and limited time and staff resources.

I-REN has strong existing relationships with, communication channels to, and support from local jurisdictions as an organization made up of local government agencies. I-REN will build on its existing connections in the public sector to help these local government agencies and districts improve their facilities' energy performance, to contribute to energy conservation and greenhouse gas reduction goals and position local government agencies as energy efficiency leaders in their communities. Some of the greatest challenges to participation in the public sector in the I-REN service area may also be indicators of unrealized energy savings potential. I-REN

has designed its Public Sector strategies and tactics to help local government agencies, tribal leadership, and staff at school districts and special districts overcome these participation barriers to improve their facilities' energy performance and harvest "stranded" energy savings.

Insufficient staff time and resources is one of the major barriers to implementing energy efficiency retrofits in public sector buildings. This has been exacerbated over the past two years due to the COVID-19 pandemic, with local governments on the front lines addressing the public health crisis and enduring the associated economic downturn. Local jurisdictions have had to implement mandatory closures of facilities, as well as intensive planning and logistical efforts to prepare for safely reopening facilities to the public. I-REN's Building Upgrade Concierge will provide personalized end-to-end technical assistance, procurement and project management support, capacity-building, and ongoing commissioning support to ensure efficient operations and maintenance.

I-REN's WE&T program activities will center on supporting and leveraging local resources who are ideally positioned to deliver locally-focused, relevant, accessible training opportunities. Offering training at familiar, nearby locations makes it easier for job seekers and workers to attend. I-REN can use its connections and experience to help ensure training opportunities are accessible throughout the region. The I-REN governing agencies have existing partnerships with local colleges and community colleges, successfully providing instructional energy efficiency classes and events at local campuses where they have typically achieved high participation rates.

I-REN's WE&T Workforce Development program activities will center on convening, engaging, and building capacity with regional workforce development partners in order to define

and establish a green workforce. This program relies on collaboration with established community partner organizations and employers, many of whom have existing connections and trusted relationships with the I-REN member agencies.

As an organization led by and dedicated to serving local governments, I-REN can provide flexible and adaptable solutions to support local jurisdictions. I-REN brings an understanding of local councils, cities, and communities and their priorities and the ability to navigate the local political climate which is important for delivering support to local government jurisdictions. I-REN's C&S initiatives will offer locally focused training, education, and tools to support codes and standards implementation, enforcement, and compliance activities.

Additionally, I-REN can deliver locally informed resources and tools that streamline code compliance and enforcement and increase permit closeout. I-REN's C&S interventions rely on relationships and communication. I-REN is uniquely positioned to serve the C&S sector because the I-REN governing agencies already have extensive connections throughout the region with local building and planning departments, including code officials and permitting staff at all levels, and many of the private construction and architectural firms who frequently apply for permits.

C. I-REN UNDERTAKING PILOT ACTIVITIES WHERE THERE IS NO CURRENT UTILITY UNDERTAKING, AND WHERE THERE IS A POTENTIAL FOR SCALABILITY TO A BROADER GEOGRAPHIC REACH, IF SUCCESSFUL.

At this time, I-REN is not proposing a program using this threshold criteria for compliance with D.12-11-015. I-REN is instead proposing program that both fill in gaps to IOU services and that target HTR markets.

D. I-REN UNDERTAKING PILOT ACTIVITIES IN HARD-TO REACH MARKETS, WHETHER OR NOT THERE IS A CURRENT UTILITY PROGRAM THAT MAY OVERLAP.

I-REN's Public Sector Technical Assistance and Strategic Energy Planning Program will be open to all public sector customers but will target underinvested jurisdictions serving hard-to-reach, DAC, underserved, and ESJ communities where I-REN can help address equity issues such as the unequal access to energy efficiency dollars, the need for additional support and commitment for small and underserved communities, ineffective programs for tribal communities, as well as overall lack of diversity. Many of these communities have been historically underinvested in and have greater needs for facility improvements, particularly community serving facilities such as libraries, community centers and the like. By supporting energy efficiency projects in these types of facilities, I-REN can provide equitable and locally administered assistance to public sector agencies where benefits will flow directly to disadvantaged and vulnerable communities.

Program outreach will focus initially on public gathering spaces and community-serving facilities such as community and neighborhood centers, health and recreation centers, senior centers, teen centers, and libraries.

I-REN's Public Sector NMEC Program will provide energy upgrades and retrofits to improve comfort and safety at facilities that benefit HTR customers and vulnerable populations such as children, elders, and low income, disadvantaged, and underserved communities. Higher efficiency equipment, appliances, and controls such as cooling-dominated HVAC loads as well as improvements to operations and maintenance will lower energy bills for local governments, reducing overhead and freeing up funds for other projects. Completion of projects at these high-

visibility locations will support achieving local and statewide energy efficiency and greenhouse gas reduction goals while also positioning local governments as energy efficiency leaders within their communities.

I-REN's WE&T program activities will drive market support and equity outcomes for HTR, underserved, DAC, and ESJ communities by partnering with and building capacity among local community-focused workforce development partners and training providers to improve quality of and access to relevant training opportunities. There is a gap between the demand and supply of existing trades people to provide energy efficiency services in the I-REN service territory. For contractors looking to expand their skills, career advancement and access to high-road jobs, the pathways for obtaining additional certifications can be complicated, costly, and limited by timing or distance.

In a service territory as expansive as the Inland Empire, expanding the number of training sites and promoting multiple delivery mechanisms are crucial for improving access to workforce education. I-REN can help providers identify underserved areas with a significant population that could benefit from training, and I-REN will also coordinate with other PAs and stakeholders to co-sponsor events and collaborate to bring training opportunities to the region. Through co-sponsorship and I-REN's extensive network of connections with local governments, I-REN will help promote training events with marketing and outreach to increase awareness and encourage participation.

I-REN will also provide outreach to employers to support decision-making around onsite training in the workplace or hands-on field training for employees, and will coordinate with other

PAs and key collaborators in the region to leverage existing training opportunities where appropriate.

For areas of the region where in-person training is challenging for cost reasons or limited participation numbers, I-REN will work with local stakeholders and employers to assess the applicability of online training options for supplementing local training. I-REN can recommend regionally appropriate training to pursue and assist with messaging and outreach to guide participants to training opportunities, including trainings offered by other PAs and statewide programs.

I-REN's C&S Training and Education program is open to all local jurisdictions but will provide targeted outreach to underinvested jurisdictions serving hard-to-reach, DAC, underserved, tribal, and ESJ communities where I-REN can help drive market support and equity outcomes and cross-cutting workforce-related objectives. To avoid duplication of effort, I-REN is communicating and exchanging ideas with other PAs operating in the region. Though other programs and initiatives have targeted the C&S sector, many local building departments (and the building industry in general) in the I-REN region have been underserved and will benefit greatly from locally focused training opportunities. I-REN will differentiate its C&S training offerings and coordinate with other training providers where necessary to make the best use of its constituents' ratepayer dollars. Additionally, training in C&S is an important area for crossover activities related to economic development and Workforce Education & Training (WE&T).

The C&S sector faces unique barriers to increased energy efficiency. This is especially true in the I-REN service territory, given its size and distance from the Los Angeles MSA. I-REN's C&S program activities will be tailored to the specific needs of this region, especially

HTR communities, even though the sector has been targeted by other non-local programs. This approach is consistent with CPUC’s policy in D.12.11-2015 that Regional Energy Networks (RENs) should implement energy efficiency initiatives in hard-to-reach markets “whether or not there is a current utility program that may overlap.”¹² In designing their approach to the C&S sector, I-REN has selected strategies and tactics based on insights from the I-REN governing agencies, with consideration also given to previous attempts by other PAs to address the C&S sector in this hard-to-reach region. Those lessons learned informed I-REN’s planning process, as well as best practices from successful C&S programs elsewhere in the state. In this way, I-REN will offer locally-focused services that layer onto and complement existing C&S activities in the region in order to meet the unique needs of its jurisdictions and market actors.

¹² California Public Utilities Commission, Decision 12-11-015, Decision Approving 2013-2014 Energy Efficiency Programs and Budgets, November 8, 2012, Page 17

V. APPENDIX A: SUMMARY OF I-REN PROGRAM COMPLIANCE WITH D.12-11-015

Table 17: I-REN D. 12-11-015 Compliance, by Program

D.12-11-015 Threshold Criteria that apply for each program	Comparable IOU Program, if applicable	1. Activities that utilities cannot or do not intend to undertake.	2. Pilot activities where there is no current 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.
Technical Assistance and Strategic Energy Planning Program	<ul style="list-style-type: none"> • SoCalREN Public Agency Energy Efficiency Project Delivery Program (EE PDP) • SCG Regional Energy Pathways • SCG3846 PUB-Small/Medium Public Sector 3P Program • SCG3899 PUB- Large Public Sector 3P Program • SCG_SW_IP_Colleges PUB-SW-Institutional Partnership: UC/CSU/CCC • SCG_SW_IP_Gov PUB-SW-Institutional Partnership: DGS & DOC • SCG_SW_MCWH SW Midstream Water Heating • SCG_SW_FS SW Point-of-Sale Food Service 	<ul style="list-style-type: none"> • Building Upgrade Concierge with personalized end-to-end technical assistance, procurement and project management support, capacity-building, and ongoing commissioning support to ensure efficient operations and maintenance. • I-REN has strong existing relationships with, communication channels to, and support from local jurisdictions as an organization made up of local government agencies. 	<p>n/a</p>	<ul style="list-style-type: none"> • The program is open to all public sector customers but will target underinvested jurisdictions serving hard-to-reach, DAC, underserved, and ESJ communities where I-REN can help address equity issues such as the unequal access to energy efficiency dollars, the need for additional support and commitment for small and underserved communities,

D.12-11-015 Threshold Criteria that apply for each program	Comparable IOU Program, if applicable	1. Activities that utilities cannot or do not intend to undertake.	2. Pilot activities where there is no current 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.
				<p>ineffective programs for tribal communities, as well as overall lack of diversity. Many of these communities have been historically underinvested in and have greater needs for facility improvements, particularly community serving facilities such as libraries, community centers and the like. By supporting energy efficiency projects in these types of facilities, I-REN can provide equitable and locally administered assistance to</p>

D.12-11-015 Threshold Criteria that apply for each program	Comparable IOU Program, if applicable	1. Activities that utilities cannot or do not intend to undertake.	2. Pilot activities where there is no current 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.
				public sector agencies where benefits will flow directly to disadvantaged and vulnerable communities.
Public Buildings NMEC Program	SoCalREN – Public Agency NMEC Program [SCR-PUBL-B3]	n/a	n/a	<ul style="list-style-type: none"> • The program is open to all public sector customers but will target underinvested jurisdictions serving hard-to-reach, DAC, underserved, and ESJ communities where I-REN can help drive equity outcomes. • Program outreach will focus initially on public gathering spaces and community-serving facilities such as community and

D.12-11-015 Threshold Criteria that apply for each program	Comparable IOU Program, if applicable	1. Activities that utilities cannot or do not intend to undertake.	2. Pilot activities where there is no current 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.
				<p>neighborhood centers, health and recreation centers, senior centers, teen centers, and libraries.</p> <ul style="list-style-type: none"> • Upgrades and retrofits to HVAC and lighting equipment both interior and exterior will improve comfort and safety at facilities that benefit vulnerable populations such as children, elders, and low income, disadvantaged, and underserved communities. • Higher efficiency equipment, appliances and controls such as cooling-dominated

D.12-11-015 Threshold Criteria that apply for each program	Comparable IOU Program, if applicable	1. Activities that utilities cannot or do not intend to undertake.	2. Pilot activities where there is no current 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.
				<p>HVAC loads as well as improvements to operations and maintenance will lower energy bills for local governments, reducing overhead and freeing up funds for other projects.</p> <ul style="list-style-type: none"> • Completion of projects at these high-visibility locations will support achieving local and statewide energy efficiency and greenhouse gas reduction goals while also positioning local governments as energy efficiency leaders within

D.12-11-015 Threshold Criteria that apply for each program	Comparable IOU Program, if applicable	1. Activities that utilities cannot or do not intend to undertake.	2. Pilot activities where there is no current 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.
				their communities.
WE&T Training and Education Program	<ul style="list-style-type: none"> • SoCalREN – Workforce Education & Training Program [SCR-WET-D1] • SCE – Integrated Energy Education & Training Program [SCE-13-SW-010A] • SoCalGas – WE&T Integrated Energy Education Training (IET) [SCG3729] 	<ul style="list-style-type: none"> • I-REN’s WE&T program activities will center on supporting and leveraging local resources who are ideally positioned to deliver locally-focused, relevant, accessible training opportunities. • Offering training at familiar, nearby locations makes it easier for job seekers and workers to attend. I-REN can use its connections and experience to help ensure training opportunities are accessible throughout the region. • The I-REN governing agencies have existing partnerships with local colleges and community colleges, successfully providing 	n/a	I-REN’s WE&T program activities will drive market support and equity outcomes for HTR, underserved, DAC, and ESJ communities by partnering with and building capacity among local community-focused training providers to improve quality of and access to relevant training opportunities.

D.12-11-015 Threshold Criteria that apply for each program	Comparable IOU Program, if applicable	1. Activities that utilities cannot or do not intend to undertake.	2. Pilot activities where there is no current 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.
		instructional energy efficiency classes and events at local campuses where they have typically achieved high participation rates.		
WE&T Workforce Development Program	<ul style="list-style-type: none"> • SoCalREN – Workforce Education & Training Program [SCR-WET-D1] • SCE – Integrated Energy Education & Training Program [SCE-13-SW-010A] 	<ul style="list-style-type: none"> • I-REN’s WE&T program activities will center on convening, engaging, and building capacity with regional workforce development partners in order to define and establish a green workforce. • This program relies on collaboration with established community partner organizations and employers, many of whom have existing connections and trusted relationships with the I-REN member agencies. 	n/a	I-REN’s WE&T program activities will drive market support and equity outcomes for HTR, underserved, DAC, and ESJ communities by partnering with and building capacity among local community-focused workforce development partners.

D.12-11-015 Threshold Criteria that apply for each program	Comparable IOU Program, if applicable	1. Activities that utilities cannot or do not intend to undertake.	2. Pilot activities where there is no current 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.
C&S Training and Education Program	SCE – Compliance Improvement Subprogram [SCE-13-SW-008C]	<ul style="list-style-type: none"> As an organization led by and dedicated to serving local governments, I-REN can provide flexible and adaptable solutions to support local jurisdictions. I-REN brings an understanding of local councils, cities, and communities and their priorities and the ability to navigate the local political climate which is important for delivering support to local government jurisdictions. I-REN’s C&S initiatives will offer locally focused training, education, and tools to support codes and standards implementation, enforcement, and compliance activities. 	n/a	The program is open to all local jurisdictions but will provide targeted outreach to underinvested jurisdictions serving hard-to-reach, DAC, underserved, tribal, and ESJ communities where I-REN can help drive market support and equity outcomes and cross-cutting workforce-related objectives.

D.12-11-015 Threshold Criteria that apply for each program	Comparable IOU Program, if applicable	1. Activities that utilities cannot or do not intend to undertake.	2. Pilot activities where there is no current 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.
C&S Technical Support Program	SCE – Compliance Improvement Subprogram [SCE-13-SW-008C]	<ul style="list-style-type: none"> As an organization led by and dedicated to serving local governments, I-REN can deliver locally informed resources and tools that streamline code compliance and enforcement and increase permit closeout. I-REN’s C&S interventions rely on relationships and communication. I-REN is uniquely positioned to serve the C&S sector because the I-REN governing agencies already have extensive connections throughout the region with local building and planning departments, including code officials and permitting staff at all levels, and many of the 	n/a	The program is open to all local jurisdictions but will provide targeted outreach to underinvested jurisdictions serving hard-to-reach, DAC, underserved, and ESJ communities where I-REN can help drive market support and equity outcomes and cross-cutting workforce-related objectives.

D.12-11-015 Threshold Criteria that apply for each program	Comparable IOU Program, if applicable	1. Activities that utilities cannot or do not intend to undertake.	2. Pilot activities where there is no current 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.
		private construction and architectural firms who frequently apply for permits.		

VI. APPENDIX B: I-REN SUMMARY OF PROGRAMS OFFERED FOR 2022

Table 18: I-REN Summary of Programs, 2022

Unique ID	Program Name	Sector	Annual Budget	Eligible Measures
IREN-PUBL-001	Technical Assistance and Strategic Energy Planning Program	Public	\$ 3,102,902	Not applicable; non-resource program
IREN-PUBL-002	Public Buildings NMEC Program	Public	\$ 3,185,292	Any energy saving measure
IREN-WET-001	WE&T Training and Education Program	Cross-cutting: Workforce Education & Training	\$ 1,012,949	Not applicable; non-resource program
IREN-WET-001	WE&T Workforce Development Program	Cross-cutting: Workforce Education & Training	\$ 1,240,346	Not applicable; non-resource program
IREN-CS-001	C&S Training and Education Program	Cross-cutting: Codes & Standards	\$ 860,334	Not applicable; non-resource program
IREN-CS-001	C&S Technical Support Program	Cross-cutting: Codes & Standards	\$ 585,773	Not applicable; non-resource program

VII. APPENDIX C: SOCALREN, SCE AND SOCALGAS SUMMARY OF COMPARABLE PROGRAMS

Table 19: SoCalREN Summary of Comparable 2022 Programs

Unique ID	Program Name	Sector	Annual Budget	Eligible Measures
SCR-PUBL-A1	Public Agency Energy Efficiency Project Delivery Program	Public	\$7,069,078	n/a
SCR-PUBL-B3	Public Agency NMEC Program	Public	\$1,100,000	Any measure that reduces energy usage
SCR-WET-D1	Workforce Education & Training Program	Workforce Education & Training	\$750,000	n/a

Table 20: SCE Summary of Comparable 2022 Programs

Unique ID	Program Name	Sector	Annual Budget	Eligible Measures
SCE-13-SW-010A	Integrated Energy Education & Training	Cross-Cutting	\$8,696,114	n/a
SCE-13-SW-008C	Compliance Improvement Subprogram	Cross-cutting	\$2,600,000	n/a
SCE-13-L-003I	Public Sector Performance-Based Retrofit High Opportunity Program	Public	\$526,423	Whole Building
SCE-13-TP-029	Local Public Sector 3P Solicitation	Public	\$5,181,133	n/a

Table 21: SoCalGas Summary of Comparable 2022 Programs

Unique ID	Program Name	Sector	Annual Budget	Eligible Measures
SCG3912	Regional Energy Pathways	Public	\$1,932,904	n/a
SCG3729	WE&T Integrated Energy Education Training (IEET)	Workforce Education & Training	\$4,250,000	n/a
SCG3886	PUB - Small & Medium Public Sector	Public Sector	\$2,101,168	Direct Install measures
SCG3899	PUB- Large Public Sector	Public Sector	\$1,750,000	TBD
SCG3739	PUB – Community Colleges Partnership	Public Sector	\$104,440	n/a
SCG3740	PUB – UC/CSU Partnership	Public Sector	\$137,088	n/a
SCG_SW_MC WH	SW Midstream Commercial Water Heating	Non-RES, Public Sector	\$3,684,335	All water heating measures
SCG_SW_FS	SW Food Service POS	Non-RES, Public Sector	\$3,845,582	Food Service Equipment