Southern California Regional Energy Network

Energy Resiliency Action Plan (ERAP)

Program Implementation Plan

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Program Overview

Energy Resiliency Action Plan (ERAP) educates and supports public agencies (prioritizing those that serve underserved or hard-to-reach communities) by helping them understand and identify energy efficiency and distributed energy resource projects. ERAP aims to strengthen critical community infrastructure and lay the groundwork for future resilience hubs. In addition, ERAP leverages data-driven insights and stakeholder feedback to guide energy resilience planning and project implementation, ensuring a community-integrated approach that reflects local needs and priorities. Participants are provided with an actionable plan and guidance on additional support available through other SoCalREN and utility programs.

Program Budget and Savings Information

The budget and savings information for the Program are presented in the tables below.

Table 1. Program Budget and Savings Information

1	Program Name	Energy Resiliency Action Plan (ERAP)			
2	Program ID number	SCR-PUBL-B6			
3	Program Implementer	SoCalREN + Third-Party (ICF and Willdan)			
4	Portfolio Administrator	County of Los Angeles/SoCalREN			
5	Program Implementer Type	Third-Party Solicited (REN)			
6	Portfolio Segment	Market Support			
7	Total Program Budget 2024–2027	$5,843,000			
8	Program Budget by Year	**2024**	**2025**	**2026**	**2027**
		$1,080,000	$1,472,000	$1,581,000	$1,710,000
9	Program Duration	2021–Current			
10	Total System Benefit (TSB)	**N/A (Non-resource)**			
11	CO2	**N/A (Non-resource)**			
	Lifecycle Gross	N/A			
	First-Year Gross				
	First-Year Net				
12	KW	**N/A (Non-resource)**			
	First-Year Gross	N/A			
	First-Year Net				
13	kWh	**N/A (Non-resource)**			
	Lifecycle Gross	N/A			
	First-Year Gross				
	First-Year Net				
14	Therms	**N/A (Non-resource)**			
	Lifecycle Gross	N/A			

	First-Year Gross	
	First-Year Net	
15	Pgm. Cost Effectiveness TRC	**N/A (Non-resource)**
	TRC by Year	N/A
16	Pgm. Cost Effectiveness PAC	**N/A (Non-resource)**
	PAC by Year	N/A
17	Market Sector	Public Sector
18	Program Type	Non-Resource
19	Delivery Type	Downstream
20	Intervention Strategies	Data Collection, Analysis, and Long-Term Planning
21	M&V Methods	Other—EM&V

Implementation Plan Narrative

1. Program Description

The Energy Resiliency Action Plan Program will drive community-wide energy resiliency for public agencies through personalized Energy Resiliency Action Plans (ERAPs) and regional resiliency planning maps. All public agencies enrolled in the Southern California Regional Energy Network will be eligible for the program, with prioritization given to environmental justice communities1.

Participating agencies will receive a roadmap they can share with their governing boards. The roadmap will contain concrete recommendations for implementing energy efficiency and distributed energy resources to establish or strengthen the resilience of critical community infrastructure. In addition to the roadmap, agencies will receive access to an interactive regional map to help prioritize projects and investments based on climate threats and socioeconomic conditions. The program will rely on engagement from community stakeholders and will leverage existing data platforms to inform the goals and strategies developed for each agency.

ERAPs will leverage agency and community-wide energy and greenhouse gas inventories to develop targets and recommended strategies. The program will also include an internal database, serving as a repository for agency and region-wide baselines and inventories.

The ERAP Program will strive to integrate cost-effective energy implementation strategies into resiliency action planning to help public agencies avoid lost opportunities and stranded savings.

In a time of tightening budgets and rising energy costs, an ERAP will accomplish the following:

1. Supply public agencies with a pipeline of shovel-ready EE and DER project opportunities targeted at critical facilities and infrastructure.
2. Position public agencies to efficiently and effectively capture future resiliency grant funding opportunities.
3. Provide education and outreach resources to position public agencies as resiliency leaders among peers and in their communities.
4. Provide agencies with a guiding document to protect facilities and communities from climate and energy-related threats.

2. Performance Tracking

Program Performance Metrics

The ERAP program will use the following metrics to track progress.

Table 2. Program Performance Metrics

#	Metric	Method	Frequency
1	Reports Adopted	Number of ERAPs adopted by public agency	Annually
2	Reports Developed	Number of ERAPs developed for public agency	Annually

#	Metric	Method	Frequency
3	Reports Initiated	Number of ERAPs initiated for public agency	Annually
4	Stakeholder/Community Outreach Events	Number of events held to engage with community stakeholders about ERAP development	Annually
5	Number of Stakeholders Engaged in ERAP Process	Number of individuals engaged about ERAP development	Annually
6	Agencies Included in Energy Usage Data Database	Number of public agencies for which data is collected	Annually

The ERAP Program will also be tracking the below indicators:

- Number of agency introductions to Program services
- Number of underserved and non-underserved agencies participating in Program
- Number of identified projects funneled through SoCalREN Public Agency Programs
- Metric tons of GHG emissions tracked and targeted for reduction

Quantitative Program Targets

Table 3. Quantitative Program Targets

Period	Metric	Target
2024–2027	ERAPs Adopted	30
2024–2027	ERAPs Developed	50
2024–2027	ERAPs Initiated	65
2024–2027	Stakeholder/Community Outreach Events	80
2024–2027	Number of Stakeholders Engaged in ERAP Process	1,450
2024–2027	Agencies Included in Energy Usage Database	50

3. Program Delivery and Customer Services

The ERAP Program is a downstream program that relies on a customized report and interactive regional resiliency planning map developed for participating public agencies.

The ERAP report will contain data and analysis related to energy demand, energy supply, energy efficiency, and distributed energy resource (DER) opportunities. The report will propose scenarios for energy efficiency and DER implementation and showcase the energy and greenhouse gas reduction

targets that can be achieved by selecting one of the proposed scenarios. The report will focus on recommending capital improvement strategies at critical facilities and will include preliminary scope and financial metrics to help agencies with implementation. The ERAP Program will produce an interactive map with agency facilities and their intersection with climate hazards and socioeconomic factors to help agencies prioritize investments, to provide context to regional efforts, and to promote interconnectivity.

The report will contain suggested goals and milestones that agencies will be encouraged to institutionalize through a governing board commitment. Once the report has been delivered, SoCalREN Project Delivery Program and Pathway to Zero Program teams will support agencies with the implementation of the proposed energy efficiency and DER projects.

The ERAP Program will achieve economies of scale by leveraging the suite of public and private data tools that National Research Laboratories, non-governmental organizations (NGOs), and local governments have developed specifically for public agencies. The suite of tools will help the ERAP Program to establish energy baselines, understand climate hazards and risks, identify broad strategies for energy efficiency and DERs, and conduct granular analysis of energy grid infrastructure.

SoCalREN regional partner organizations will play a key role in identifying agencies to receive ERAPs based on eligibility criteria. Agencies located in or serving environmental justice communities, especially those without pre-existing resilient facilities or infrastructure, will be prioritized. Regional partner organizations' strong relationships with agencies in their region will also support data coordination, inventory development, and stakeholder outreach activities either in-person or virtually. In addition to leveraging regional partners, the ERAP Program will employ traditional marketing strategies for enrolled public agencies.

To successfully deliver the program, SoCalREN will provide public agencies with project management for all aspects of plan development, technical assistance for scoping and design of recommended strategies, and resources and support for peer-to-peer training and workshops, an online community, shared case studies, best practices, and training.

4. Program Design and Best Practices

Market Barriers

Public agencies need tools and support services to increase community awareness, change behaviors, and drive resiliency projects forward. The Energy Resiliency Action Plan Program will provide an actionable roadmap with personalized energy efficiency and DER project recommendations and insights that public agencies can put into effect immediately.

Public agencies currently lack a tool to assist with community-scale energy resilience planning. To overcome this, the program will provide an interactive regional mapping tool to participating agencies to assist with project prioritization based on economic feasibility, climate-related threats, and socioeconomic factors. This map feature will revolutionize how agencies approach regional resilience planning by eliminating silos where current planning might only occur at a single facility or agency level.

Best Practices

This program removes the burden for participating agencies to create their own tools, and enables agencies to share resources on a community-wide scale. It also helps ensure that scarce staff and financial

resources are used effectively by using data to understand which opportunities are best to pursue and what regional efficiencies can be leveraged to achieve strategic local and regional energy goals.

As a key component of the program, community leaders, local grassroots organizations, and other stakeholders will be engaged to provide feedback related to their community's resiliency priorities. Priorities may include promoting the economic well-being of the community, lowering individual utility bills, protecting vulnerable members of the community, creating jobs, increasing energy security and resilience, helping stabilize electricity prices and volatility, and supporting local greenhouse gas reduction goals. These actions are of particular importance in underserved and environmental justice communities where the impact of high energy costs can be detrimental.

Through community awareness campaigns, engaging stakeholders, and building public awareness of action strategies and impacts, public agencies can generate enthusiastic support for energy efficiency and distributed energy resources while driving greater participation in SoCalREN's energy programs.

5. Innovation

The primary focus of ERAP is to provide public agencies with an actionable tool to make cost-effective energy decisions and avoid lost opportunities or stranded energy savings.

Energy planning at the local level, if done at all, is typically part of a local climate action plan (CAP) or energy action plan (EAP). Variability of scope and specificity of CAPs and EAPs, combined with incomplete information and subjectivity across jurisdictions, reduces understanding of broad impacts from energy and climate programs. ERAPs will build upon the foundation of CAPs and EAPs but with a focus on interconnected regional planning and priorities, an increased emphasis on actionable scope, and an expanded vision for the future of critical energy infrastructure.

SoCalREN's approach is also unique because it will both provide the plan outlining EE and DER strategies and offer support to implement strategies and drive progress and action toward their goals. An ERAP will provide the information agencies need to develop strong applications for resiliency grant opportunities with minimal effort.

SoCalREN's ERAP implementation strategy positions public agencies as drivers to mobilize communities to take energy actions by communicating the value of clean energy, energy efficiency, and greenhouse gas reductions. With a higher risk of failure on energy systems due to climate-related extreme events, disruptions that disproportionately impact environmental justice communities and other vulnerable groups, public agencies need data access and personalized recommendations to address resilience in their communities.

SoCalREN collects agency-level and community-wide data to inform the development of ERAPs. The interactive map component provides a streamlined and inexpensive way for agencies to develop energy baselines and assess the vulnerability of assets. The components of the ERAP support prioritization of actions and provide the foundation for analytical work investigating city morphologies and their energy and emission profiles.

An ERAP is not static. SoCalREN will provide long-term support for the necessary and ongoing adaptations that emerge as a result of changing resiliency threats and opportunities.

6. Pilots

This section is not applicable to the ERAP Program.

7. Workforce Standards[1]

This section is not applicable to the ERAP Program.

8. Disadvantaged Worker Plan[2]

This section is not applicable to the ERAP Program.

9. Additional Information

No additional information is required.

[1] D.18-10-008, Ordering Paragraph 1-2 and Attachment B, Section A-B, page B-1.
[2] D.18-10-008, Attachment B, Section D, page B-9.

Supporting Documents

1. Program Manual and Program Rules

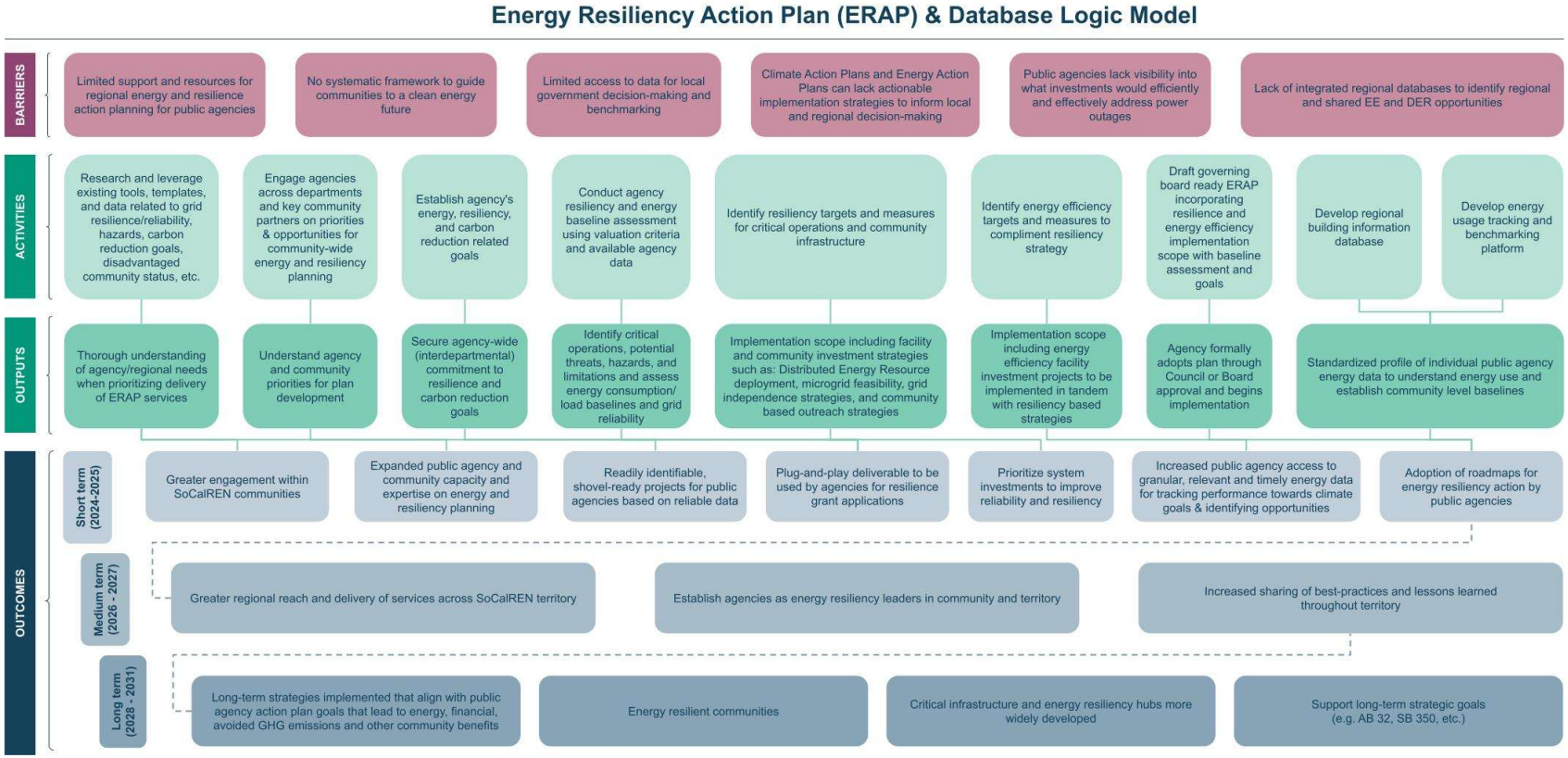
A short description of supporting materials is provided below. Greater detail is provided in the Program Manual.

Table 4. Program Manual Required Information Summary

#	Information Required	Short Description
1	**Eligible Measures or Measure Eligibility**	Not Applicable. ERAP is a non-resource program that develops energy resilience plans and identifies potential energy efficiency and distributed energy resource projects. It does not provide measures or incentives.
2	**Customer Eligibility Requirements**	ERAP is available to public agencies enrolled in SoCalREN. Agencies located in or serving underserved, hard-to-reach, or environmental justice communities are prioritized, particularly those without existing resilient facilities or infrastructure.
3	**Contractor Eligibility Requirements**	Not Applicable. ERAP provides planning, analysis, and technical assistance and does not involve contractor-delivered measure installation.
4	**Participating Contractors, Manufacturers, Retailers, Distributors**	Not Applicable. ERAP does not involve participating contractors, manufacturers, retailers, or distributors. Program delivery is supported by SoCalREN, its program implementer, regional partner organizations, participating agencies, and community stakeholders.
5	**Additional Services**	Participating agencies receive project management, technical assistance, stakeholder engagement support, an interactive regional resiliency planning map, and resources for training and knowledge sharing. Following plan delivery, agencies may receive implementation support through other SoCalREN programs.
6	**Audits**	Not Applicable. ERAP does not conduct pre- or post-installation audits. Project information is developed through agency discussions, data collection, analysis, and verification checks with public agencies and program partners.
7	**Program Quality Assurance Provisions**	ERAP uses discussions and verification checks to validate project information. Energy baselines, greenhouse gas inventories, report content, identified projects, and program goals are maintained in internal databases and SoCalREN's customer relationship management system.
8	**Other Program Metrics**	ERAP tracks program delivery, agency participation, stakeholder engagement, and planning outcomes.

2. Program Theory[3] and Program Logic Model[4]

Figure 1. ERAP Program Theory and Logic Model

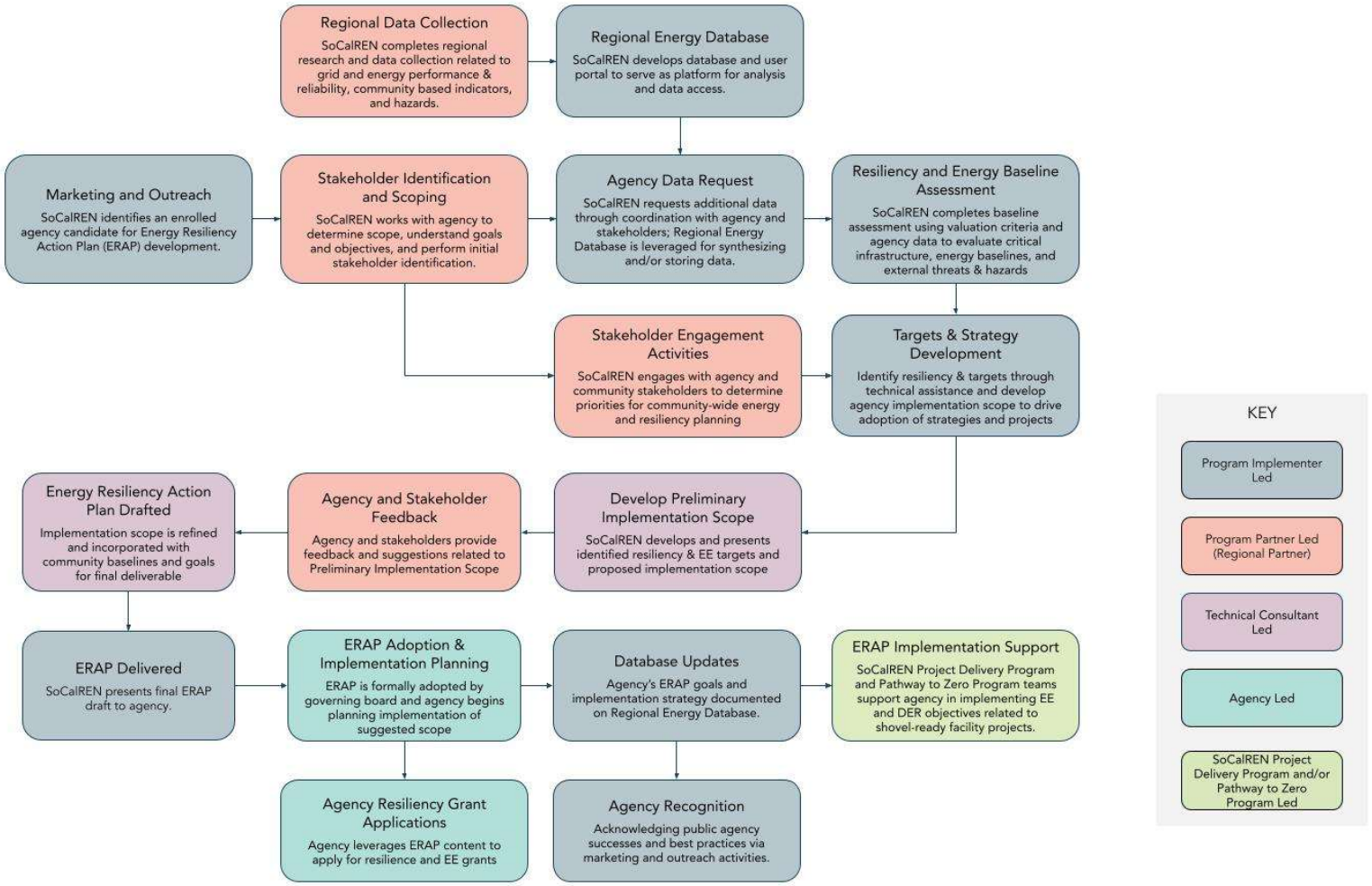


3 The expected causal relationships between program goals and program activities in a way that allows the reader to understand why the proposed program activities are expected to result in the accomplishment of the program goals. A well-developed program theory can (and should) also describe the barriers that will be overcome in order to accomplish the goals and clearly describe how the program activities are expected to overcome those barriers. California Evaluation Framework, June 2004.

4 The graphical representation of the program theory showing the flow between activities, their outputs, and subsequent short-term, intermediate, and long-term outcomes. California Evaluation Framework, June 2004.

3. Process Flow Chart

Figure 2. ERAP Process Flow Chart

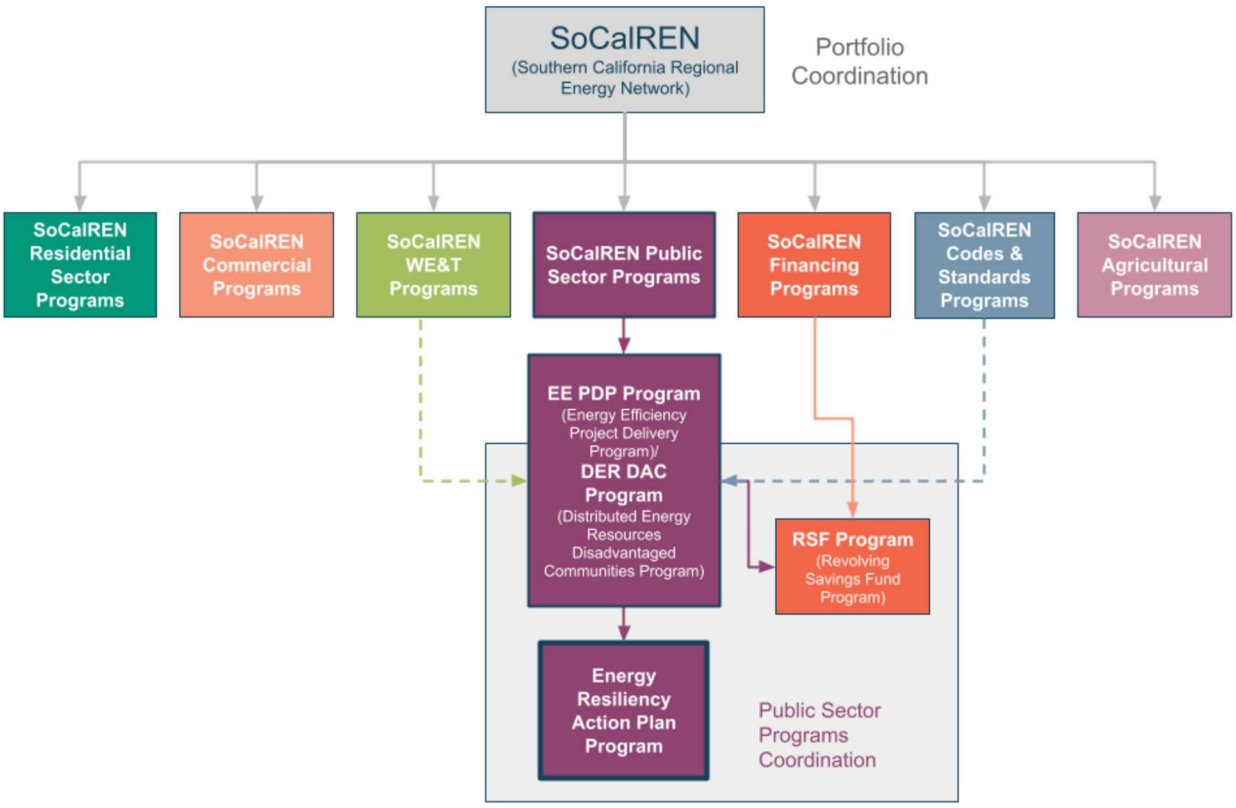


4. Measures and Incentives

This section is not applicable to the ERAP program.

5. Diagram of Program

Figure 3. Diagram of Program



6. Program Measurement and Verification (M&V)

The ERAP Program will comply with all CPUC directives, activities, and requests regarding the program and project evaluation, measurement, and verification (EM&V). Project information will be gathered through a series of discussions and verification checks with each public agency and program partner. The program will leverage an internal database to house information gathered related to energy baselines and greenhouse gas inventories. A separate database within a customer relationship management (CRM) system will be used to track information about the customer, report content, identified projects and goals, and other details that will help show the impact of this program. Once information is gathered, it will be entered in the database and used to generate reports. Data will be shared on a quarterly basis or ad-hoc as requested.

Normalized Metered Energy Consumption (NMEC), Multi-DER ISDM Pilot, and SEM Program requirements are not applicable to this program.

Program Manual

1. Program Overview

The SoCalREN Energy Resiliency Action Plan Program helps public agencies identify and plan energy efficiency and distributed energy resource projects that strengthen critical community infrastructure and support future resilience hubs. The program prioritizes agencies serving underserved, hard-to-reach, and environmental justice communities.

Participating agencies receive a customized Energy Resiliency Action Plan with recommended projects, implementation strategies, goals, milestones, and preliminary financial information. Agencies also receive access to an interactive regional planning map that combines facility information with climate hazards and socioeconomic factors to support project and investment prioritization.

2. Eligible Measures

Not Applicable. ERAP is a non-resource planning program and does not directly offer eligible measures or financial incentives. All public agencies enrolled in SoCalREN are eligible to participate in ERAP. Agencies located in or serving environmental justice, underserved, or hard-to-reach communities are prioritized, especially those without existing resilient facilities or infrastructure.

Regional partner organizations help identify agencies based on the program's eligibility and prioritization criteria. They also support agency data coordination, inventory development, and stakeholder outreach.

3. Contractor Eligibility Requirements

Not Applicable. ERAP provides planning, data analysis, stakeholder engagement, and technical assistance and does not involve contractor-delivered measure installation.

4. Participating Contractors, Manufacturers, Retailers, Distributors, and Partners

ERAP does not involve participating contractors, manufacturers, retailers, or distributors. Program delivery is supported by SoCalREN, its third-party program implementer, participating public agencies, and regional partner organizations. Community leaders, grassroots organizations, and other stakeholders may also participate by providing input on local resilience needs and priorities.

5. Additional Services

Participating agencies receive project management and technical assistance throughout plan development. Additional services include:

- Development of agency and community energy and greenhouse gas inventories
- Stakeholder and community engagement
- Access to an interactive regional resiliency planning map
- Technical assistance to scope and design recommended strategies
- Peer-to-peer training, workshops, case studies, and best-practice resources

After an ERAP is delivered, SoCalREN's PDP and Pathway to Zero Program teams may assist agencies with implementing recommended energy efficiency and distributed energy resource project.

6. Audits

Not Applicable. ERAP does not conduct traditional pre- or post-installation audits. Information used to develop each plan is gathered through discussions and verification checks with the participating public agency and program partners.

The program analyzes energy demand, energy supply, energy efficiency opportunities, distributed energy resources, greenhouse gas inventories, climate hazards, and socioeconomic conditions. These findings provide the basis for project recommendations, implementation scenarios, goals, and milestones included in the agency's Energy Resiliency Action Plan.

7. Program Quality Assurance Provisions

Project information is gathered and reviewed through discussions and verification checks with each participating public agency and relevant program partners. The program maintains energy baselines and greenhouse gas inventories in an internal database.

Customer information, report content, identified projects, goals, and other program information are tracked separately through SoCalREN's customer relationship management system. Program data may be reported quarterly or on an ad hoc basis as requested.

8. Other Program Metrics

ERAP tracks program delivery, agency participation, stakeholder engagement, and planning outcomes, including:

- ERAPs initiated, developed, and adopted
- Stakeholder and community outreach events
- Stakeholders engaged in the ERAP process
- Agencies included in the energy usage database
- Agency introductions to program services
- Underserved and non-underserved agencies participating
- Identified projects referred to SoCalREN Public Agency Programs
- Greenhouse gas emissions tracked and targeted for reduction

Because ERAP is a non-resource program, energy savings, Total System Benefit, and cost-effectiveness metrics are not directly claimed by the program.