



County of Los Angeles
INTERNAL SERVICES DEPARTMENT

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"To enrich lives through effective and caring service"

September 04, 2018

Advice No. # 8-E/8-G
(CPUC Identification #940)

Public Utilities Commission of the State of California

**SUBJECT: COMPLIANCE FILING REGARDING THE SOUTHERN CALIFORNIA
REGIONAL ENERGY NETWORK 2019 ENERGY EFFICIENCY
PROGRAM PORTFOLIO CHANGES AND FUNDING REQUEST**

Purpose

The Southern California Regional Energy Network (SoCalREN) submits its 2019 Energy Efficiency (EE) portfolio budget by Tier 2 Advice Letter (AL) to the California Public Utilities Commission (Commission), in compliance with *Decision Re Energy Efficiency Goals for 2016 and Beyond and Energy Efficiency Rolling Portfolio Mechanics*, the "Rolling Portfolio decision," (D.15-10-028)¹ and the *Decision Addressing Energy Efficiency Business Plans* (D.18-05-041)² and guidance from the Commission Energy Division (ED) Staff. This Advice Letter provides budget, programmatic adjustments and updated supporting documentation for energy efficiency programs the SoCalREN will offer in 2019.

The SoCalREN requests that the Commission approve its 2019 EE Budget, effective as of January 1, 2019. The SoCalREN also requests the approval to discontinue certain EE programs and sub-programs as detailed below.

Background

1. Filing Requirements

¹ D. 15-10-028, Ordering Paragraph (OP) 4.

² D. 18-05-041, Ordering Paragraph (OP) 41-45.

D.15-10-028 requires each EE Program Administrator (PA) to file a Tier 2 advice letter with the PA's annual EE budget for the coming year in September of each year³ and requires such advice letters to contain:

- Portfolio cost-effectiveness statement; and
- Application summary tables with forecast budgets and savings by sector and program/intervention.

Furthermore, D.18-05-041 provided additional guidance to PAs regarding their submittal of their Annual Budget Advice Letters (ABAL). D.18-05-041 requires that the Regional Energy Networks (REN) ABAL include the following:

- Forecasted energy savings goals that must meet or exceed the annual energy savings targets included in the PA's business plan; and
- Forecasted budget that does not exceed the PA's annual budget in the approved business plans, or (if applicable) the revised annual budget in this ABAL.⁴

2. Contents of this Filing

The SoCalREN's advice letter is organized as follows:

- SoCalREN 2019 EE portfolio
 - 2019 EE Portfolio Budget
 - 2019 EE Portfolio Cost Effectiveness
 - 2019 EE Portfolio Energy Savings
- 2019 Proposed Program and Portfolio Changes
 - Portfolio Level Changes
 - Program Level Changes
- Strategies to Increase Cost-Effectiveness

In addition to the information above, the SoCalREN's 2019 ABAL includes the following materials:

- Attachments
 - Attachment A – SoCalREN 2019 ABAL Tables
 - Attachment B – CEDARS Filing Confirmation
 - Attachment C – 2017 Sector-Level Metrics

SoCalREN's 2019 EE Portfolio

1. 2019 EE Portfolio Budget

³ D.15-10-028, ordering paragraph 4.

⁴ D.18-05-041, p. 134.

In the SoCalREN's 2019 EE Portfolio budget, the SoCalREN requests a total portfolio budget of \$20,742,000 and an evaluation, measurement and verification ("EM&V") budget of \$327,613. The breakdown of this budget request is reflected in Table 1 below.

Table 1. Proposed 2019 Annual Budget

Sector	2019 Authorized Budget ⁵	2019 Proposed Budget
A: Residential	\$6,671,000	\$6,721,000
B: Public Sector	\$11,563,000	\$11,500,000
C: Financing	\$2,224,000	\$2,237,000
D: WE&T	\$284,000	\$284,000
Sub Total	\$20,742,000	\$20,742,000
EM&V⁶	-----	\$327,613
Total	\$20,742,000	\$21,069,613

2. 2019 EE Portfolio Cost-Effectiveness

Table 2 below provides the SoCalREN's Total Resource Cost (TRC) test and Program Administrator Cost (PAC) test for its 2019 EE portfolio.⁷

Table 2. Cost-Effectiveness

Sector/Program	Forecast 2019	
	TRC	PAC
Total Portfolio	0.27	0.29

3. 2019 EE Portfolio Energy Savings

Table 3 below reflects the SoCalREN's 2019 forecasted energy savings.

Table 3. SoCalREN 2019 Forecasted Energy Savings (Net)

Sector/Program	kWh	kW	Therms
Residential	5,474,356	735	154,741
Public⁸	0	0	0
Portfolio	5,474,356	735	154,741

⁵ D.18-05-041, p. 105.

⁶ EM&V funding is proposed as authorized under D.16-08-019, OP 16.

⁷ The SoCalREN's portfolio TRC includes all resource and non-resource programs included in this ABAL filing.

⁸ The SoCalREN Public Agency NMEC program is included in this 2019 ABAL filing as a resource program and within the SoCalREN's 2019 Portfolio TRC. However, due to NMEC claimable savings guidelines, savings for this program are not forecasted to be realized until 2020.

Proposed Program and Portfolio Changes

1. SoCalREN 2019 Portfolio-Level Changes

The SoCalREN's 2019 EE Portfolio continues to leverage well-established successes that were originally adopted during the inception of the RENs in D.12-11-015 and conforms to the authorization adopted in D.18-05-041. The SoCalREN's 2019 EE portfolio is a continuation of the SoCalREN's commitment to adopt a "long-term" path towards administrative efficiency and its endeavor to find areas that maximize outcomes, customer benefits, and program performance, while minimizing costs. The SoCalREN's 2019 EE portfolio will include practices such as:

- streamlining reporting processes, instituting more internal detailed budgetary tracking reports, standardizing infographics and other data-sharing and marketing collateral, maximizing web-based tools; and
- identifying administrative tasks that can be automated or eliminated so long as regulatory compliance or customer support is not compromised.

In addition, SoCalREN has proposed in this advice filing some performance adjustments to its existing portfolio that provide for increasing administrative efficiencies, and include innovative strategies that would target deeper energy savings in an effort to provide a larger contribution to the State's aggressive energy efficiency goals. Furthermore, the SoCalREN's 2019 portfolio will continue to utilize its successful "peer-driven" approach to leverage its public agency programs with a focus on serving hard-to-reach communities and disadvantaged communities in both its public and residential sectors.

2. SoCalREN 2019 Program Level Changes

The SoCalREN has utilized the first Business Plan year of 2018 (1) to conduct deep program performance assessments and program refinements, and (2) to revise its approach to marketing, education and outreach (ME&O) toward greater analytics, strategies and tactics that lend themselves to heightened traceability and may provide a more reliable nexus between ME&O action and programmatic outcomes.

The SoCalREN 2019 portfolio includes programs that comply with D.12-11-015 REN threshold criteria and conform to the sector approach as adopted by D.18-05-041. The SoCalREN's 2019 proposed portfolio also reflects the sunset of programs deemed either (1) unsuccessful in achieving cost-effective savings, or (2) to have attained all objectives over successive bridge years.

a. Proposed Programs and Subprograms to be cancelled:

The SoCalREN is requesting approval to discontinue programs that have been deemed not cost-effective, these include the Single Family (SF) Energy Upgrade California® Home Upgrade program (HUP) and its associated sub programs: Green Building Labeling, Single Family Local Marketing and Outreach, HUP Loan Loss Reserve and Low-Income SF HUP. For the past three years of implementation the SF HUP (and its associated sub-programs) have held an extremely low TRC and achieved relatively low savings. Specifically, the SoCalREN's SF HUP TRC and energy savings were:

SF Home Upgrade Program	2016	2017
TRC	0.14	0.08
Electric Savings (kWh)	533,990	255,650
Program Cost (\$)	2,672,156	2,215,161

In addition, the SoCalREN is proposing to discontinue its Public Building Loan Loss Reserve and Non-Residential PACE (Property Assessed Clean Energy). These two finance subprograms have achieved all objectives over successive bridge years and shown little interest from the market in the last year.

Last, the SoCalREN's sub-program Regional Climate Action and Energy Plan - Energy Atlas is also proposed to be discontinued per D.18-05-041 direction. Per D.18-05-041, the utility program administrators will be selecting among themselves a lead to oversee statewide deployment of the Energy Atlas and competitively solicit a third party to implement the deployment.⁹ This deployment is anticipated in 2019 thus the SoCalREN did not include any funding provision within its 2019 ABAL filing.

⁹ D.18-05-041, OP. 32.

b. New and Expanded Programs

As a direct result of the SoCalREN's 2019 portfolio optimization, resources allocated to programs proposed to be discontinued have been adjusted in this ABAL filing to fund cost-effective programs and innovative offerings. Single family residential resources will be shifted to maximize the SoCalREN's cost-effective residential offering (specifically, the SoCalREN's Multifamily program). In addition, the SoCalREN's residential budget also includes an allocation to fund its new multifamily companion sub-program, the SoCalREN's Residential Community Coordinator. The SoCalREN's Multifamily Program will continue to provide audits and improvement incentives to building owners for comprehensive energy efficiency upgrades while the Residential Community Coordinator sub-program will serve as a companion program to the SoCalREN Multifamily Program and will assist the hard-to-reach multifamily market by providing a variety of services to help this targeted segment overcome the traditional barriers to completing building energy upgrades.

The SoCalREN's 2019 EE Portfolio also includes cost-efficient financing solutions for both public agency customers and multifamily property owners. These solutions will assist program participants in overcoming financial barriers and help drive greater adoption of deep comprehensive retrofits. The SoCalREN's proposed finance budget includes two specific programs to serve as catalysts for multifamily and public agency projects. These new financing programs include the SoCalREN's Residential Loan Loss Reserve (LLR) and its Public Agency Revolving Loan Fund (RLF). The SoCalREN's Residential LLR program will provide credit-risk enhanced financing for multifamily property owners who are actively seeking "whole-building" retrofits and will primarily target customers with the most need who are (1) hard to reach and (2) have properties within Disadvantaged Communities (DACs). The SoCalREN RLF is designed to support upgrades of public agency buildings and facilities with an emphasis on supporting projects that serve DACs. RLF loans will serve as short-term construction financing and help under primarily two scenarios: bridge financing for approved On-Bill Financing (OBF) provided by the utility after project completion and bridge financing for approved but un-budgeted agency projects that would otherwise wait for budget allocation.

Lastly, with an increasing emphasis on the public sector and leveraging the SoCalREN's "peer-driven" approach, the SoCalREN will be introducing a new NMEC Public Agency program and expand its Energy Efficiency Project Delivery Program (*formerly known as SoCalREC*) to include a sub-program, DER DAC Project Delivery Program, which will offer education and outreach regarding all distributed energy resources (DER) for public agencies within DACs.

These two new programs will work to further engage Public Agencies and help drive not only deeper energy savings within the sector but deeper reductions in greenhouse gas (GHG) emissions thus helping the state meet its aggressive GHG-reduction objectives.

Strategies for increased cost-effectiveness

As mentioned above, the SoCalREN's 2019 EE Portfolio and budget continues to be committed to increasing its portfolio cost-effectiveness while meeting the state's long-term objectives. Although not currently required to meet a TRC threshold, the SoCalREN believes that continued program performance enhancement can contribute and assist in meeting a path towards increased cost-effectiveness. In addition to the portfolio strategies to increase administrative and cost efficiencies described above, the SoCalREN will also institute program-level strategies to increase cost-effectiveness for 2019. These strategies include but are not limited to:

- **Multifamily**
 - Utilize innovative tools and tactics to increase participation while improving cost-effectiveness
 - Leverage approaches that support a long-term customer journey for multifamily property owners
 - Employ community-based relationships and networks to influence hard-to-reach and disadvantaged communities
 - Leverage County analytics and existing databases to identify key market targets and programmatic improvements
 - Implement cost-efficient financing solutions for multifamily property owners, to help drive a greater adoption of deep comprehensive retrofits
- **Public Sector**
 - Implement more cost-effective innovative approaches such as NMEC to drive deeper retrofit savings
 - Continue to utilize companion programs offered by partner IOUs to develop comprehensive work scopes for public agencies
 - Utilize the SoCalREN's "peer-driven" approach to drive program performance and reduce the program's customer participation costs so that deeper energy savings can be achieved
 - Implement cost-efficient financing solutions for Public Agency customers, to help drive a greater adoption of deep comprehensive retrofits

Protests

Anyone may protest this Advice Letter. The protest must state the grounds upon which it is based. The protest must be made in writing and received by the Commission within 20 days of the date this Advice Letter was filed with the Commission. There is no restriction on who may file a protest. The address for mailing or delivering a protest to the Commission is:

Public Utilities Commission
CPUC Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102

Copies of the protest should also be sent via e-mail to the attention of the Energy Division at EDTariffUnit@cpuc.ca.gov. It is also requested that a copy of the protest be sent by email to addresses shown below on the same date it is mailed or delivered to the Commission.

Minh Le
Energy and Environmental Services
General Manager
County of Los Angeles Office
1100 North Eastern Avenue
Los Angeles, CA 90063-3200
(323) 267-2006
MSLe@isd.lacounty.gov

Effective Date

Per D.14-10-046 this Advice Letter 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 SoCalREN respectfully requests that this Advice Letter be made effective on October 4, 2018, which is 30 calendar days after the date filed.

Notice

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

Respectfully Submitted,

/s/ Minh Le

Minh Le
Energy and Environmental Services General
Manager

County of Los Angeles Office
1100 North Eastern Avenue
Los Angeles, CA 90063-3200
(323) 267-2006
MSLe@isd.lacounty.gov

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY ENERGY UTILITY

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

Company name/CPUC Utility No. Southern California Regional Energy Network (#940)

Utility type:

ELC GAS

PLC HEAT WATER

Contact Person: Minh Le

Phone #: (323) 267-2006

E-mail: MSLe@isd.lacounty.gov

EXPLANATION OF UTILITY TYPE

ELC = Electric

GAS = Gas

PLC = Pipeline

HEAT = Heat

WATER = Water

Tier: 1 2 3

Advice Letter (AL) #: 8-E/8-G

Subject of AL: Compliance Filing Regarding Southern California Regional Energy Network 2019 Energy Efficiency Program Portfolio Changes and Funding Request

Keywords (choose from CPUC listing): Compliance, Energy Efficiency

AL filing type: Monthly Quarterly Annual One-Time Other

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

D.15-10-028 and D.18-05 041

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL N/A

Summarize differences between the AL and the prior withdrawn or rejected AL¹: N/A

Resolution Required? Yes No

Requested effective date: 10/4/2018 No. of Tariff Sheets: N/A

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

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: N/A

Service affected and changes proposed¹: Updated Program Implementation Plans and Supporting Information for the SoCalREN's energy efficiency programs in compliance with D.15-10-028 and D.18-05-041

Pending advice letters that revise the same tariff sheets: _____

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

CPUC, Energy Division

Attention: Tariff Unit

505 Van Ness Ave., 4th Flr.

San Francisco, CA 94102

EDTariffUnit@cpuc.ca.gov

Utility Info (including e-mail)

Minh Le

Energy and Environmental Services

General Manager

County of Los Angeles

1100 North Eastern Avenue

Los Angeles, CA 90063-3200

MSLe@isd.lacounty.gov

¹ Discuss in AL if more space is needed.

ATTACHMENT A: SoCaIREN 2019 ABAL Tables

1b. CCA-REN PY budget_savings

SoCalREN FORECAST ENERGY SAVINGS (Net)

Sector	Program Year Budget	SoCalREN FORECAST ENERGY SAVINGS (Net)		
		SoCalREN forecast kWh	SoCalREN forecast kW	SoCalREN forecast therms (MM)
Residential	\$6,721,000	5,474,356	735	0.155
Commercial	\$0	na	na	na
Industrial	\$0	na	na	na
Agriculture	\$0	na	na	na
Emerging Tech	\$0	na	na	na
Public	\$11,500,000	-	-	-
Codes and Standards	\$0	na	na	na
WE&T	\$284,000	na	na	na
Finance	\$2,237,000	na	na	na
OBF Loan Pool	\$0	na	na	na
Subtotal	\$20,742,000	5,474,356	735	0.155
PA EM&V	\$327,613			
Total SoCalREN PY Spending Budget¹	\$21,069,613			
Uncommitted and Unspent Carryover balance²	\$4,845,007			
Total SoCalREN PY Budget Recovery Request³	\$16,224,606			
Authorized PY Budget Cap (D.18-05-041)	\$20,740,920			
Forecast PY TRC	0.27			
Forecast PY PAC	0.29			

¹ Total proposed program year budget spending, including uncommitted unspent carryover

² The balance of unspent uncommitted must reflect the total unspent uncommitted starting Jan 1 2018 through Dec 31 of current year (PY-1). Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed.

³ Amount of funds to be collected for the Program Year - Line 18 less Line 19

2b. CCA-REN budget trueup

SoCalREN Annual Rolling Portfolio Budget Forecast - True-up									
Sector	2018**	2019	2020	2021	2022	2023	2024	2025	Total
Residential	\$6,540,000	\$6,721,000	\$6,804,000	\$6,940,000	\$7,079,000	\$7,221,000	\$7,365,000	\$7,512,000	\$56,182,000
Commercial	0	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0	0
Emerging Tech	0	0	0	0	0	0	0	0	0
Public	\$9,815,000	\$11,500,000	\$11,794,000	\$12,030,000	\$12,270,000	\$12,516,000	\$12,766,000	\$13,022,000	\$95,713,000
Codes and Standards	0	0	0	0	0	0	0	0	0
WE&T	\$258,000	\$284,000	\$312,000	\$343,000	\$378,000	\$416,000	\$457,000	\$503,000	\$2,951,000
Finance	\$2,180,000	\$2,237,000	\$2,268,000	\$2,313,000	\$2,360,000	\$2,407,000	\$2,455,000	\$2,504,000	\$18,724,000
OBF Loan Pool	-	-	-	-	-	-	-	-	-
Subtotal									-
EM&V	0	\$327,613	\$327,613	\$327,613	\$327,613	\$327,613	\$327,613	\$327,613	
Total Portfolio Program Year SoCalREN Budget	\$ 18,793,000	\$ 20,742,000	\$ 21,178,000	\$ 21,626,000	\$ 22,087,000	\$ 22,560,000	\$ 23,043,000	\$ 23,541,000	\$ 173,570,000
Total Authorized Portfolio PY Budget Cap	\$ 18,793,000	\$ 20,742,000	\$ 21,178,000	\$ 21,626,000	\$ 22,087,000	\$ 22,560,000	\$ 23,043,000	\$ 23,541,000	\$ 173,570,000
Forecast Portfolio PY TRC	0.19	0.27	0.29	0.31	0.32	0.33	0.34	0.35	
Forecast Portfolio PY PAC	0.21	0.29	0.30	0.33	0.35	0.36	0.37	0.38	

** "Reset" 2018 budget at or below 2018 annual budget approved in Business plan Decision. "True-up" years 2019-2025.

3.b.i. CCA-REN kWh trueup

Annual Rolling Portfolio Savings Forecast - True-up (kWh)								
Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	2,881,748	5,474,356	5,541,961	5,652,735	5,765,953	5,881,614	5,998,904	6,118,638
Commercial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Industrial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Agriculture	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Emerging Tech	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Public	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Codes and Standards	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WE&T	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
OBF Loan Pool	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Forecast Portfolio Savings	2,881,748	5,474,356	5,541,961	5,652,735	5,765,953	5,881,614	5,998,904	6,118,638
CPUC Goal*	n/a	n/a						
% of Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TBU

* Not applicable to CCA/REN as of 2018, in template for future ABAL when applicable

3.b.ii. CCA-REN kW trueup

Annual Rolling Portfolio Savings Forecast - True-up (kW)								
Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	685	735	744	759	774	790	805	822
Commercial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Industrial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Agriculture	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Emerging Tech	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Public	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Codes and Standards	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WE&T	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
OBF Loan Pool	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Forecast Portfolio Savings	685	735	744	759	774	790	805	822
CPUC Goal*	n/a	n/a						
% of Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TBU

* Not applicable to CCA/REN as of 2018, in template for future ABAL when applicable

3.b.iii. CCA-REN therms trueup

Annual Rolling Portfolio Savings Forecast - True-up (therms)								
Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	96,632	154,741	156,652	159,783	162,983	166,253	169,568	172,953
Commercial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Industrial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Agriculture	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Emerging Tech	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Public	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Codes and Standards	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WE&T	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
OBF Loan Pool	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Forecast Portfolio Savings	96,632	154,741	156,652	159,783	162,983	166,253	169,568	172,953
CPUC Goal*	n/a	n/a						
% of Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

TBU

* Not applicable to CCA/REN as of 2018, in template for future ABAL when applicable

Authorized PA Budgets for 2018-2025

	PG&E	SCE	SDG&E	SoCalGas	MCE	SoCalREN	BayREN	Total
2018	\$398,590,433	\$233,027,000	\$116,456,309	\$98,812,573	\$8,532,000	\$18,793,099	\$22,738,000	\$896,949,414
2019	\$390,634,566	\$253,364,000	\$116,456,309	\$101,961,000	\$8,532,000	\$20,740,920	\$23,950,000	\$915,638,795
2020	\$376,627,905	\$271,852,000	\$116,456,309	\$104,064,000	\$12,404,000	\$21,178,362	\$24,615,000	\$927,197,576
2021	\$376,627,905	\$266,803,000	\$116,456,309	\$106,195,000	\$12,404,000	\$21,626,987	\$23,216,000	\$923,329,201
2022	\$376,627,905	\$274,785,000	\$116,456,309	\$108,356,000	\$10,998,000	\$22,086,959	\$23,720,000	\$933,030,173
2023	\$376,627,905	\$283,007,000	\$116,456,309	\$110,548,000	\$10,998,000	\$22,558,944	\$24,605,000	\$944,801,158
2024	\$376,627,905	\$291,476,000	\$116,456,309	\$112,771,000	\$10,998,000	\$23,043,313	\$24,629,000	\$956,001,527
2025	\$376,627,905	\$300,198,000	\$116,456,309	\$115,028,000	\$10,870,000	\$23,540,840	\$25,503,000	\$968,224,054
TOTAL (excluding CCA/REN for IOU PAs)	\$3,048,992,429	\$2,174,512,000	\$931,650,472	\$857,735,573	\$85,736,000	\$173,569,424	\$192,976,000	\$7,465,171,898

ATTACHMENT B: CEDARs Filing Confirmation

CEDARS Filing Confirmation

The Appendix is also available on CEDARS at this link:

<https://cedars.sound-data.com/>

Supplemental information on the SoCalREN's portfolio, including Program
Implementation
Plans and forecast data, is available at the same link.

CEDARS FILING SUBMISSION RECEIPT

The SCR portfolio filing has been submitted and is now under review. A summary of the filing is provided below.

PA: Southern California Regional Energy Network (SCR)

Filing Year: 2019

Submitted: 08:06:59 on 01 Sep 2018

By: Lujana Medina

Advice Letter Number: 8-E/8-G

* Portfolio Filing Summary *

- TRC: 0.27
- PAC: 0.29
- TRC (no admin): 1.08
- PAC (no admin): 1.60
- RIM: 0.29
- Budget: \$20,742,000.00

* Programs Included in the Filing *

- SCR-RES-A1: Multifamily Program
- SCR-RES-A2: Residential Community Coordinator
- SCR-PUBL-B1: Energy Efficiency Project Delivery Program
- SCR-PUBL-B2: DER DAC Project Delivery Program
- SCR-PUBL-B3: Public Agency NMEC Program
- SCR-FIN-C1: Public Agency Revolving Loan Fund
- SCR-FIN-C2: Residential Loan Loss Reserve
- SCR-WET-D1: Workforce Education & Training Program

ATTACHMENT C: 2017 Sector-Level Metrics

SoCalREN 2017 Reported Year Metrics

PA	ATA Page	ATA Order	Method Code	Metric Type	Metric/Indicator	Business Plan A Description	Units of Measurement	Sector	Baseline Year	Baseline Number	2017 Reporting Year	Numerator (for metrics/indicators where unit of measurement is gross)	Denominator (for metrics/indicators where unit of measurement is net)	Short Term Target (2018-2020)			Mid Term Target (2021-2023)	Long Term Target (2024-2025)
														2018	2019	2020		
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kW gross	Portfolio Level (PL)-All Sectors	2016	1,168	1,732	NA	NA	4,855	4,588	763	3,944	2,994
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kW net	Portfolio Level (PL)-All Sectors	2016	876	1,370	NA	NA	3,259	3,202	572	2,643	2,030
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kWh gross	Portfolio Level (PL)-All Sectors	2016	3,939,665	29,930,363	NA	NA	32,418,313	35,120,467	5,684,062	40,915,050	30,214,124
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual kWh net	Portfolio Level (PL)-All Sectors	2016	2,954,749	20,357,475	NA	NA	23,730,356	25,739,470	4,263,047	27,185,974	20,260,593
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual Therm gross	Portfolio Level (PL)-All Sectors	2016	174,569	243,542	NA	NA	174,569	174,569	174,569	174,569	174,569
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	First year annual Therm net	Portfolio Level (PL)-All Sectors	2016	123,890	178,367	NA	NA	123,890	123,890	123,890	123,890	123,890
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kW gross	Portfolio Level (PL)-All Sectors	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kW net	Portfolio Level (PL)-All Sectors	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kWh gross	Portfolio Level (PL)-All Sectors	2016	23,598,508	294,563,599	NA	NA	315,557,235	335,428,671	34,104,373	245,487,796	181,284,741
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net)**	Lifecycle ex-ante kWh net	Portfolio Level (PL)-All Sectors	2016	17,698,881	196,987,486	NA	NA	232,594,264	247,375,631	25,578,280	163,115,847	121,563,556
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante Therm gross	Portfolio Level (PL)-All Sectors	2016	859,036	1,356,041	NA	NA	814,572	1,001,374	964,014	1,423,118	1,341,912
SoCalREN	A02	PL1	S1	S1: Energy Savings	Metric	PL1-S1- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante Therm net	Portfolio Level (PL)-All Sectors	2016	644,277	979,854	NA	NA	608,519	748,547	723,010	962,339	934,434
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual kW gross	Portfolio Level (PL)-All Sectors	2016	445	449	NA	NA	346	247	252	262	276
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual kW net	Portfolio Level (PL)-All Sectors	2016	334	337	NA	NA	259	185	189	197	207
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual kWh gross	Portfolio Level (PL)-All Sectors	2016	1,335,081	2,538,174	NA	NA	1,255,001	1,840,706	1,877,404	1,953,560	2,052,480
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual kWh net	Portfolio Level (PL)-All Sectors	2016	1,001,311	1,903,630	NA	NA	941,250	1,380,529	1,408,053	1,465,170	1,539,360
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual Therm gross	Portfolio Level (PL)-All Sectors	2016	305,831	94,708	NA	NA	265,746	312,183	318,407	331,323	348,099
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	First year annual Therm net	Portfolio Level (PL)-All Sectors	2016	229,373	71,031	NA	NA	199,310	234,137	238,805	248,492	261,074
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante kW gross	Portfolio Level (PL)-All Sectors	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante kW net	Portfolio Level (PL)-All Sectors	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante kWh gross	Portfolio Level (PL)-All Sectors	2016	7,994,064	13,511,885	NA	NA	7,519,061	11,044,236	11,264,425	11,721,359	12,314,877
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante kWh net	Portfolio Level (PL)-All Sectors	2016	5,995,548	10,133,914	NA	NA	5,639,296	8,283,177	8,448,319	8,791,019	9,236,158
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante Therm gross	Portfolio Level (PL)-All Sectors	2016	305,831	517,064	NA	NA	265,746	312,183	318,407	331,323	348,099
SoCalREN	A02	PL2	S3	S3: DAC Savings	Metric	PL2-S3- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in disadvantaged communities**	Lifecycle ex-ante Therm net	Portfolio Level (PL)-All Sectors	2016	229,373	387,798	NA	NA	199,310	234,137	238,805	248,492	261,074
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	First year annual kW gross	Portfolio Level (PL)-All Sectors	2016	445	449	NA	NA	346	247	252	262	276
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	First year annual kW net	Portfolio Level (PL)-All Sectors	2016	334	337	NA	NA	259	185	189	197	207
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	First year annual kWh gross	Portfolio Level (PL)-All Sectors	2016	1,335,081	2,538,174	NA	NA	1,255,001	1,840,706	1,877,404	1,953,560	2,052,480
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	First year annual kWh net	Portfolio Level (PL)-All Sectors	2016	1,001,311	1,903,630	NA	NA	941,250	1,380,529	1,408,053	1,465,170	1,539,360
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	First year annual Therm gross	Portfolio Level (PL)-All Sectors	2016	94,708	94,708	NA	NA	NA	NA	-	-	-
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	First year annual Therm net	Portfolio Level (PL)-All Sectors	2016	71,031	71,031	NA	NA	NA	NA	-	-	-
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante kW gross	Portfolio Level (PL)-All Sectors	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante kW net	Portfolio Level (PL)-All Sectors	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante kWh gross	Portfolio Level (PL)-All Sectors	2016	7,994,064	13,511,885	NA	NA	7,519,061	11,044,236	11,264,425	11,721,359	12,314,877
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante kWh net	Portfolio Level (PL)-All Sectors	2016	5,995,548	10,133,914	NA	NA	5,639,296	8,283,177	8,448,319	8,791,019	9,236,158
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante Therm gross	Portfolio Level (PL)-All Sectors	2016	305,831	517,064	NA	NA	265,746	312,183	318,407	331,323	348,099
SoCalREN	A02	PL3	S4	S4: Hard to reach markets	Metric	PL3-S4- First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) in hard-to-reach markets**	Lifecycle ex-ante Therm net	Portfolio Level (PL)-All Sectors	2016	229,373	387,798	NA	NA	199,310	234,137	238,805	248,492	261,074
SoCalREN	A02	PL4	LC	Cost per unit saved	Metric	PL4-LC- Levelized cost of energy efficiency per kWh, therm and kW (use both TFC and PAC)**	PAC Levelized Cost (\$/kW)	Portfolio Level (PL)-All Sectors	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA

SoCalREN 2017 Reported Year Metrics

SoCalREN	A02	PL4	LC	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/MWh)	Portfolio Level (PL)-All Sectors	2016	0.25	0.23	8,987,134	38,816,467	0.02	0.02	0.17	0.17	0.16
SoCalREN	A02	PL4	LC	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/therm)	Portfolio Level (PL)-All Sectors	2016	6.88	7.72	8,987,134	1,163,894	7.26	5.90	6.13	5.89	5.61
SoCalREN	A02	PL4	LC	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (\$/AW)	Portfolio Level (PL)-All Sectors	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A02	PL4	LC	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (\$/MWh)	Portfolio Level (PL)-All Sectors	2016	0.37	0.26	10,037,105	38,816,467	0.03	0.03	0.26	0.25	0.23
SoCalREN	A02	PL4	LC	Cost per unit saved	Metric	PL4-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/therm)	Portfolio Level (PL)-All Sectors	2016	10.12	8.62	10,037,105	1,163,894	10.68	8.89	9.02	8.67	8.25
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual kW gross	Residential (RSF)	2016	692	359	NA	NA	461	-	-	-	-
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual kW net	Residential (RSF)	2016	519	269	NA	NA	346	-	-	-	-
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual kWh gross	Residential (RSF)	2016	394,820	185,964	NA	NA	263,035	-	-	-	-
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual kWh net	Residential (RSF)	2016	296,115	139,473	NA	NA	197,276	-	-	-	-
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual Therm gross	Residential (RSF)	2016	17,080	28,917	NA	NA	17,080	17,080	17,080	17,080	17,080
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	First year annual Therm net	Residential (RSF)	2016	14,680	21,688	NA	NA	14,680	14,680	14,680	14,680	14,680
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kW gross	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kW net	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kWh gross	Residential (RSF)	2016	2,329,439	1,117,891	NA	NA	1,551,905	0	0	0	0
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante kWh net	Residential (RSF)	2016	1,747,079	838,418	NA	NA	1,163,829	-	-	-	-
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante Therm gross	Residential (RSF)	2016	257,832	175,561	NA	NA	171,771	-	-	-	-
SoCalREN	A02	RSF1	S1	S1: Energy Savings	Metric	RSF1-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for Single Family Customers	Lifecycle ex-ante Therm net	Residential (RSF)	2016	193,374	131,671	NA	NA	128,829	-	-	-	-
SoCalREN	A03	RSF2	G	GHG	Metric	RSF2-G-Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis	MT CO2eq	Residential (RSF)	2016	6.5	6.5	NA	NA	7.5	8.5	9.5	10.5	11.5
SoCalREN	A03	RSF3	D1-D	D1: Depth of interventions**Per downstream participant	Metric	RSF3-D1-D - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET WWh	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RSF3	D1-O	D1: Depth of interventions**Per downstream participant	Metric	RSF3-D1-O - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET WWh	Residential (RSF)	2016	2,680	1,638	838,418	512	2,676	-	-	-	-
SoCalREN	A03	RSF3	D1-O	D1: Depth of interventions**Per downstream participant	Metric	RSF3-D1-O - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET Therms	Residential (RSF)	2016	297	257	131,671	512	296	-	-	-	-
SoCalREN	A03	RSF3	D1-M	D1: Depth of interventions**Per midstream participant	Metric	RSF3-D1-M - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET kW	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RSF3	D1-M	D1: Depth of interventions**Per midstream participant	Metric	RSF3-D1-M - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET kWh	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RSF3	D1-M	D1: Depth of interventions**Per midstream participant	Metric	RSF3-D1-M - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET Therms	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RSF3	D1-O	D1: Depth of interventions**Per opt out participant	Metric	RSF3-D1-O - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET kW	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RSF3	D1-O	D1: Depth of interventions**Per opt out participant	Metric	RSF3-D1-O - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET kWh	Residential (RSF)	2016	606	1,638	838,418	512	605	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
SoCalREN	A03	RSF3	D1-O	D1: Depth of interventions**Per opt out participant	Metric	RSF3-D1-O - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET Therms	Residential (RSF)	2016	198	257	131,671	512	199	200	201	202	203
SoCalREN	A03	RSF3	D1-U	D1: Depth of interventions**Per upstream participant	Metric	RSF3-D1-U - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET kW	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RSF3	D1-U	D1: Depth of interventions**Per upstream participant	Metric	RSF3-D1-U - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET kWh	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RSF3	D1-U	D1: Depth of interventions**Per upstream participant	Metric	RSF3-D1-U - Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible)	Lifecycle NET Therms	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RSF4	P1	P1: Penetration of energy efficiency programs in the eligible market **Percent of participation	Metric	RSF-P1 - Percent of participation relative to eligible population**	Percent	Residential (RSF)	2016	0.018%	0.00014	512	3,680,136	0.012%	0.000%	0.000%	0.000%	0.000%
SoCalREN	A03	RSF4	P3	P3: Penetration of energy efficiency programs in the eligible market **Percent of participation	Metric	RSF-P3 - Percent of participation in disadvantaged communities**	Percent	Residential (RSF)	2016	0.034%	0.013%	205	1,601,949	0.011%	0.000%	0.000%	0.000%	0.000%
SoCalREN	A03	RSF4	P4	P4: Penetration of energy efficiency programs in the eligible market **Percent of participation	Metric	RSF-P4 - Percent of participation by customers defined as "hard-to-reach" **	Percent	Residential (RSF)	2016	0.035%	0.013%	205	1,552,486	0.012%	0.000%	0.000%	0.000%	0.000%
SoCalREN	A03	RSF5	LC	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/MWh)	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RSF5	LC	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/AW)	Residential (RSF)	2016	1.02	2.02	2,262,419	1,117,891	1.53	-	-	-	-
SoCalREN	A03	RSF5	LC	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	PAC Levelized Cost (\$/therm)	Residential (RSF)	2016	9.22	12.89	2,262,419	175,561	13.84	-	-	-	-
SoCalREN	A03	RSF5	LC	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (\$/AW)	Residential (RSF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RSF5	LC	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (\$/MWh)	Residential (RSF)	2016	1.76	3.35	3,750,297	1,117,891	2.65	-	-	-	-
SoCalREN	A03	RSF5	LC	Cost per unit saved	Metric	RSF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)	TRC Levelized Cost (\$/therm)	Residential (RSF)	2016	15.92	21	3,750,297	175,561	23.90	-	-	-	-
SoCalREN	A03	RSF6I	E1I	Energy intensity per SF household	Indicator	RSF-E1I (Indicator) - Average energy use intensity of single family homes	Btu	Residential (RSF)	N/A - Indicator	N/A - Indicator	NA	NA	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator
SoCalREN	A04	RMF7I	E2I	Energy intensity per MF unit	Indicator	RMF-E2I (Indicator) - Average energy use intensity of multifamily units (include in-unit accounts)	Btu	Residential Sector - Multifamily (RMF)	N/A - Indicator	N/A - Indicator	NA	NA	NA	NA	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator

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SoCalREN	AD4	RMF7J	E3	Energy Intensity per MF unit savings	Indicator	RMF-E13 [Indicator] Average energy use intensity of multifamily buildings (kwh per sq ft) - not adjusted	Btu	Residential Sector - Multifamily (RMF)	N/A - Indi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SoCalREN	AD4	RMF5	B1	B1: MF Benchmarking Penetration	Metric	RMF-B1 - Percent of benchmarked multi-family properties relative to the eligible population***	Percent	Residential Sector - Multifamily (RMF)	2016	0.0019%	0.003%	36	1,081,850	0.0019%	0.0028%	0.0030%	0.0030%	0.0030%	0.0032%	
SoCalREN	AD4	RMF5	B6	B6: Benchmarking of HTR Properties	Metric	RMF-B6 - Percent of benchmarking by properties defined as "hard-to-reach"***	Percent	Residential Sector - Multifamily (RMF)	2016	0.71%	0.651%	13	1,996	0.38%	0.56%	0.59%	0.60%	0.63%	0.63%	
SoCalREN	AD4	RMF4	P1-P	P1: Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	RMF-P1 - **Percent of participation relative to eligible population (by unit, and property)**	Percent	Residential Sector - Multifamily (RMF)	2016	0.002%	0.004%	40	1,081,850	0.002%	0.003%	0.003%	0.003%	0.003%	0.003%	
SoCalREN	AD4	RMF4	P1-U	P1: Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	RMF-P1-U **Percent of participation relative to eligible population (by unit, and property)**	Percent	Residential Sector - Multifamily (RMF)	2016	0.421%	0.766%	8,288	1,081,850	0.421%	0.613%	0.651%	0.664%	0.689%	0.689%	
SoCalREN	AD4	RMF4	P2	P2: Penetration of energy efficiency programs in terms of square feet of eligible population	Metric	RMF-P2 - Percent of square feet of eligible population participating (by property)**	Percent	Residential Sector - Multifamily (RMF)	2016	0.002565176	0.466%	7,019,936	1,505,146,221	0.002565176	0.003731165	0.003964363	0.004042484	0.004197561	0.004197561	
SoCalREN	AD4	RMF4	P3-DAC	P3: Penetration of energy efficiency programs in the eligible market - DAC	Metric	RMF-P3 - Percent of participation in disadvantaged communities**	Percent	Residential Sector - Multifamily (RMF)	2016	0.002%	0.002%	15	606,578	0.001%	0.002%	0.002%	0.002%	0.002%	0.002%	
SoCalREN	AD4	RMF4	P4: HTR	P4: Penetration of energy efficiency programs in the HTR market	Metric	RMF-P4** Percent of participation by customers defined as "hard-to-reach" **	Percent	Residential Sector - Multifamily (RMF)	2016	0.003%	0.003%	15	559,519	0.001%	0.002%	0.002%	0.002%	0.002%	0.002%	
SoCalREN	AD4	RMF3	D3a	D3: Depth of interventions on building	Metric	RMF-D3 - Energy savings (kWh, kw, therms) per project (building)***	Lifecycle NET kW	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	AD4	RMF3	D3a	D3: Depth of interventions on building	Metric	RMF-D3 - Energy savings (kWh, kw, therms) per project (building)***	Lifecycle NET kWh	Residential Sector - Multifamily (RMF)	2016	4,820,319	4,699,102	28,273,932	6	4,772,595	5,272,141	5,060,943	5,164,467	5,225,513	5,225,513	
SoCalREN	AD4	RMF3	D3a	D3: Depth of interventions on building	Metric	RMF-D3 - Energy savings (kWh, kw, therms) per project (building)***	Lifecycle NET Therms	Residential Sector - Multifamily (RMF)	2016	136,254	123,195	741,249	6	134,905	149,025	143,055	145,982	147,707	147,707	
SoCalREN	AD4	RMF3	D4	D4: Depth of interventions on property	Metric	RMF-D4 - Average savings per participant Savings per project (property)**	Lifecycle NET kW	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	AD4	RMF3	D4	D4: Depth of interventions on property	Metric	RMF-D4 - Average savings per participant Savings per project (property)**	Lifecycle NET kWh	Residential Sector - Multifamily (RMF)	2016	725,082	706,848	28,273,932	40	709,440	783,697	752,302	767,691	776,765	776,765	
SoCalREN	AD4	RMF3	D4	D4: Depth of interventions on property	Metric	RMF-D4 - Average savings per participant Savings per project (property)**	Lifecycle NET Therms	Residential Sector - Multifamily (RMF)	2016	20,496	18,531	741,249	40	20,053	22,152	21,265	21,700	21,956	21,956	
SoCalREN	AD4	RMF3	D5	D5: Depth of interventions **Per square foot	Metric	RMF-D5** Energy savings (kWh, kw, therms) per square foot**	Lifecycle NET kW	Residential Sector - Multifamily (RMF)	2016	4.13	4.028	28,273,932	7,019,936	4.04	4.47	4.29	4.37	4.43	4.43	
SoCalREN	AD4	RMF3	D5	D5: Depth of interventions **Per square foot	Metric	RMF-D5** Energy savings (kWh, kw, therms) per square foot**	Lifecycle NET Therms	Residential Sector - Multifamily (RMF)	2016	0.117	0.106	741,249	7,019,936	0.114	0.126	0.126	0.124	0.125	0.125	
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual kW gross	Residential Sector - Multifamily (RMF)	2016	429	857	NA	NA	420	675	689	716	753	753	753
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual kW net	Residential Sector - Multifamily (RMF)	2016	322	643	NA	NA	315	506	516	537	565	565	565
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual kWh gross	Residential Sector - Multifamily (RMF)	2016	3,199,006	6,415,036	NA	NA	3,129,995	5,029,251	5,129,520	5,337,595	5,607,868	5,607,868	
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual kWh net	Residential Sector - Multifamily (RMF)	2016	2,399,255	4,811,277	NA	NA	2,347,496	3,771,938	3,847,140	4,003,196	4,205,901	4,205,901	
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual Therm gross	Residential Sector - Multifamily (RMF)	2016	146,538	172,397	NA	NA	146,538	146,538	146,538	146,538	146,538	146,538	
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual Therm net	Residential Sector - Multifamily (RMF)	2016	109,903	129,298	NA	NA	109,903	109,903	109,903	109,903	109,903	109,903	
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	Lifecycle ex-ante kW gross	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	Lifecycle ex-ante kW net	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	Lifecycle ex-ante kWh gross	Residential Sector - Multifamily (RMF)	2016	19,194,038	34,020,667	NA	NA	18,779,969	30,175,507	30,777,117	32,025,572	33,647,206	33,647,206	
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	Lifecycle ex-ante kWh net	Residential Sector - Multifamily (RMF)	2016	14,395,528	25,515,500	NA	NA	14,084,977	22,631,630	23,082,838	24,019,179	25,235,404	25,235,404	
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	Lifecycle ex-ante Therm gross	Residential Sector - Multifamily (RMF)	2016	542,550	891,910	NA	NA	530,845	852,958	869,963	905,253	951,091	951,091	
SoCalREN	AD3	RMF1	S1-UJ	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	Lifecycle ex-ante Therm net	Residential Sector - Multifamily (RMF)	2016	406,912	668,932	NA	NA	398,134	639,719	652,473	678,940	713,318	713,318	
SoCalREN	AD3	RMF1	S1-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual kW gross	Residential Sector - Multifamily (RMF)	2016	46	93	NA	NA	45	73	74	77	81	81	
SoCalREN	AD3	RMF1	S1-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual kW net	Residential Sector - Multifamily (RMF)	2016	35	69	NA	NA	34	55	56	58	61	61	
SoCalREN	AD3	RMF1	S1-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual kWh gross	Residential Sector - Multifamily (RMF)	2016	345,839	693,517	NA	NA	338,278	543,703	554,543	577,037	606,256	606,256	
SoCalREN	AD3	RMF1	S1-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual kWh net	Residential Sector - Multifamily (RMF)	2016	259,379	520,138	NA	NA	253,783	407,777	415,907	432,778	454,692	454,692	
SoCalREN	AD3	RMF1	S1-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual Therm gross	Residential Sector - Multifamily (RMF)	2016	17,689	18,638	NA	NA	17,689	17,689	17,689	17,689	17,689	17,689	
SoCalREN	AD3	RMF1	S1-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	First year annual Therm net	Residential Sector - Multifamily (RMF)	2016	11,765	13,978	NA	NA	11,765	11,765	11,765	11,765	11,765	11,765	
SoCalREN	AD3	RMF2	G	GHG	Metric	RMF-G** Greenhouse gasses (MT CO2e) Net kWh savings, reported on an annual basis**	MT CO2e	Residential Sector - Multifamily (RMF)	2016	0	154	NA	NA	231	378	367	366.3333333	367	436	436
SoCalREN	AD3	RMF1	S1-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	Lifecycle ex-ante kW gross	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	AD3	RMF1	S1-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	Lifecycle ex-ante kW net	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	AD3	RMF1	S1-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in unit common area and master metered accounts)	Lifecycle ex-ante kWh gross	Residential Sector - Multifamily (RMF)	2016	2,075,031	3,677,910	NA	NA	2,030,267	3,262,217	3,327,256	3,462,224	3,637,536	3,637,536	

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SoCalREN	A03	RMF1	SI-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	Lifecycle ex-ante kWh net	Residential Sector - Multifamily (RMF)	2016	1,556,273	2,758,432	NA	NA	1,522,700	2,446,663	2,495,442	2,596,668	2,728,152
SoCalREN	A03	RMF1	SI-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	Lifecycle ex-ante Therm gross	Residential Sector - Multifamily (RMF)	2016	58,654	96,423	NA	NA	57,389	92,212	94,050	97,865	102,821
SoCalREN	A03	RMF1	SI-MM	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	Lifecycle ex-ante Therm net	Residential Sector - Multifamily (RMF)	2016	43,991	72,317	NA	NA	43,042	69,159	70,538	73,399	77,115
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	First year annual kW gross	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	First year annual kW net	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	First year annual kWh gross	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	First year annual kWh net	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	First year annual Therm gross	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	First year annual Therm net	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	Lifecycle ex-ante kW gross	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	Lifecycle ex-ante kW net	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	Lifecycle ex-ante kWh gross	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	Lifecycle ex-ante kWh net	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A04	RMF6	LC	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC1*)	PAC Levelized Cost (\$/kW)	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A04	RMF6	LC	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC1*)	PAC Levelized Cost (\$/kWh)	Residential Sector - Multifamily (RMF)	2016	0.16	0.18	6,724,715	37,698,576	0.16	0.10	0.10	0.09	0.09
SoCalREN	A04	RMF6	LC	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC1*)	PAC Levelized Cost (\$/therm)	Residential Sector - Multifamily (RMF)	2016	5.51	6.80	6,724,715	988,333	5.63	3.50	3.43	3.30	3.14
SoCalREN	A04	RMF6	LC	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC1*)	TRC Levelized Cost (\$/kW)	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A04	RMF6	LC	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC1*)	TRC Levelized Cost (\$/kWh)	Residential Sector - Multifamily (RMF)	2016	0.21	0.17	6,286,808	37,698,576	0.21	0.13	0.13	0.12	0.12
SoCalREN	A04	RMF6	LC	Cost per unit saved	Metric	RMF-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC1*)	TRC Levelized Cost (\$/therm)	Residential Sector - Multifamily (RMF)	2016	7.27	6.36	6,286,808	988,333	7.43	4.62	4.53	4.35	4.15
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	Lifecycle ex-ante Therm gross	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A03	RMF1	SI-CA	S1: Energy Savings	Metric	RMF-S1-First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) for multifamily customers (in-unit common area and master metered accounts)	Lifecycle ex-ante Therm net	Residential Sector - Multifamily (RMF)	2016	NA	NA	NA	NA	NA	NA	NA	NA	NA
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	First year annual kW gross	Public Sector (P)	2016	857	424		750	500	500	3150	2160	
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	First year annual kW net	Public Sector (P)	2016	653	389		487.5	325	325	2048	1404	
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	First year annual kWh gross	Public Sector (P)	2016	10,000,538	22,635,846		15,000,000	10,000,000	10,000,000	35,000,000	24,000,000	
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	First year annual kWh net	Public Sector (P)	2016	7,823,378	14,886,587		9,750,000	6,500,000	6,500,000	22,750,000	15,600,000	
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	First year annual Therm gross	Public Sector (P)	2016	14,964	23,590		27,000	18,000	18,000	70,000	48,000	
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	First year annual Therm net	Public Sector (P)	2016	8,946	13,403		13,500	9,000	9,000	35,000	24,000	
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Lifecycle ex-ante kW gross	Public Sector (P)	2016	NA	NA		NA	NA	NA	NA	NA	
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Lifecycle ex-ante kW net	Public Sector (P)	2016	NA	NA		NA	NA	NA	NA	NA	
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Lifecycle ex-ante kWh gross	Public Sector (P)	2016	112,273,601	255,747,132		90,000,000	60,000,000	60,000,000	210,000,000	144,000,000	
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Lifecycle ex-ante kWh net	Public Sector (P)	2016	88,855,877	167,875,136		58,500,000	39,000,000	39,000,000	136,500,000	93,600,000	
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Lifecycle ex-ante Therm gross	Public Sector (P)	2016	139,010	192,147		162,000	108,000	108,000	420,000	288,000	
SoCalREN	A06	P1	S1	S1: Energy Savings	Metric	P-S1 - First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) across Public Sector programs**	Lifecycle ex-ante Therm net	Public Sector (P)	2016	85,297	106,933		81,000	54,000	54,000	210,000	144,000	
SoCalREN	A06	P2	G	GHG	Metric	P-G*Greenhouse gasses (MT CO2eq) based on net lifecycle kWh and Therms savings, reported on an annual basis, incorporating average fuel displacement**	MT CO2eq	Public Sector (P)	2016	499	2,560		459	306	306	1,190	816	
SoCalREN	A06	P3i	D3b	D3: Depth of interventions per building**	Indicator	P-D3(Indicator) Average percent energy savings (kWh, kw, therms) per project building or facility**	Percent annual NET kW	Public Sector (P)	N/A - Indi	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	
SoCalREN	A06	P3i	D3b	D3: Depth of interventions per building**	Indicator	P-D3(Indicator) Average percent energy savings (kWh, kw, therms) per project building or facility**	Percent annual NET kWh	Public Sector (P)	N/A - Indi	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	
SoCalREN	A06	P3i	D3b	D3: Depth of interventions per building**	Indicator	P-D3(Indicator) Average percent energy savings (kWh, kw, therms) per project building or facility**	Percent annual NET Therms	Public Sector (P)	N/A - Indi	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	
SoCalREN	A06	P3i	D5	D5: Depth of interventions**Per square foot	Indicator	P-D5(Indicator) Average annual energy savings (kWh, kw, therms) per project building floor plan area**	Annual NET kW	Public Sector (P)	N/A - Indi	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	
SoCalREN	A06	P3i	D5	D5: Depth of interventions**Per square foot	Indicator	P-D5(Indicator) Average annual energy savings (kWh, kw, therms) per project building floor plan area**	Annual NET kWh	Public Sector (P)	N/A - Indi	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	
SoCalREN	A06	P3i	D5	D5: Depth of interventions**Per square foot	Indicator	P-D5(Indicator) Average annual energy savings (kWh, kw, therms) per project building floor plan area**	Annual NET Therms	Public Sector (P)	N/A - Indi	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	

SoCalREN 2017 Reported Year Metrics

SoCalREN	AD6	P3i	W1	Water	Indicator	P-W1[Indicator] Average annual energy savings (kWh, kW therms) per annual flow through project water/wastewater facilities**	Annual NET kW	Public Sector (P)	N/A - Indi	N/A - Indicator	N/A - Indicator			N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator
SoCalREN	AD6	P3i	W1	Water	Indicator	P-W1[Indicator] Average annual energy savings (kWh, kW therms) per annual flow through project water/wastewater facilities** <td>Annual NET kWh</td> <td>Public Sector (P)</td> <td>N/A - Indi</td> <td>N/A - Indicator</td> <td>N/A - Indicator</td> <td></td> <td></td> <td>N/A - Indicator</td> <td>N/A - Indicator</td> <td>N/A - Indicator</td> <td>N/A - Indicator</td> <td>N/A - Indicator</td>	Annual NET kWh	Public Sector (P)	N/A - Indi	N/A - Indicator	N/A - Indicator			N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator
SoCalREN	AD6	P3i	W1	Water	Indicator	P-W1[Indicator] Average annual energy savings (kWh, kW therms) per annual flow through project water/wastewater facilities** <td>Annual NET Therms</td> <td>Public Sector (P)</td> <td>N/A - Indi</td> <td>N/A - Indicator</td> <td>N/A - Indicator</td> <td></td> <td></td> <td>N/A - Indicator</td> <td>N/A - Indicator</td> <td>N/A - Indicator</td> <td>N/A - Indicator</td> <td>N/A - Indicator</td>	Annual NET Therms	Public Sector (P)	N/A - Indi	N/A - Indicator	N/A - Indicator			N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator
SoCalREN	AD7	P4	P1	P1-Penetration of energy efficiency programs in the eligible market **Percent of Participation	Metric	P-P1 - Percent of Public Sector accounts participating in programs**	Percent	Public Sector (P)	2016	0.01	0.01	665	6350	665	6350	0	0	0
SoCalREN	AD7	P4i	P2	P2-Penetration of energy efficiency programs in terms of square feet of eligible population	Indicator	P-P2[Indicator] Percent of estimated floorplan area (i.e., ft2) of all Public Sector buildings participating in building projects—estimate within +/-55% of sector-wide building area, +/-5% of project building usage	Percent	Public Sector (P)	N/A - Indi	N/A - Indicator	N/A - Indicator			N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator
SoCalREN	AD7	P4i	W2	Water	Indicator	P-W2[Indicator] Percent of Public Sector water/wastewater flow (i.e., annual average Million Gallons per Day) enrolled in non-building water/wastewater programs— estimate within +/-20% of flow through eligible facilities (treatment facilities pumping stations).	Percent	Public Sector (P)	N/A - Indi	N/A - Indicator	N/A - Indicator			N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator
SoCalREN	AD7	P5	LC	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/kW)	Public Sector (P)	2016	N/A - Non-resource	N/A - Non-resource			N/A - Non-reso	N/A - Non-resource	N/A - Non-resou	N/A - Non-resource	N/A - Non-resource
SoCalREN	AD7	P5	LC	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/kWh)	Public Sector (P)	2016	N/A - Non-resource	N/A - Non-resource			N/A - Non-reso	N/A - Non-resource	N/A - Non-resou	N/A - Non-resource	N/A - Non-resource
SoCalREN	AD7	P5	LC	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	PAC Levelized Cost (\$/therm)	Public Sector (P)	2016	N/A - Non-resource	N/A - Non-resource			N/A - Non-reso	N/A - Non-resource	N/A - Non-resou	N/A - Non-resource	N/A - Non-resource
SoCalREN	AD7	P5	LC	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/kW)	Public Sector (P)	2016	N/A - Non-resource	N/A - Non-resource			N/A - Non-reso	N/A - Non-resource	N/A - Non-resou	N/A - Non-resource	N/A - Non-resource
SoCalREN	AD7	P5	LC	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/kWh)	Public Sector (P)	2016	N/A - Non-resource	N/A - Non-resource			N/A - Non-reso	N/A - Non-resource	N/A - Non-resou	N/A - Non-resource	N/A - Non-resource
SoCalREN	AD7	P5	LC	Cost per unit saved	Metric	P-LC - Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC)**	TRC Levelized Cost (\$/therm)	Public Sector (P)	2016	N/A - Non-resource	N/A - Non-resource			N/A - Non-reso	N/A - Non-resource	N/A - Non-resou	N/A - Non-resource	N/A - Non-resource
SoCalREN	AD7	P6i	F2	Investment in EE	Indicator	P-F2 - [Indicator] Total program-backed financing distributed to Public Sector customers requiring repayment (i.e., loans, PBEI)**	\$	Public Sector (P)	N/A - Indi	N/A - Indicator				N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator
SoCalREN	AD7	P7	B3	Public Sector Benchmarking Penetration Capable/Year	Metric	P-B3 - Percent of Public Sector buildings with current benchmark****	Percent	Public Sector (P)	2016	1.5%	1.5	975	63650	1.6%	1.6%	1.7%	1.8%	2.0%
SoCalREN	AD7	P7	E4	Public Sector Benchmarking Energy Intensity per public Sector Building	Metric	P-E4 Average energy use intensity of all Public Sector buildings**	Btu	Public Sector (P)	2016	34	34	2188910	63650	35	36	37	38	39
SoCalREN	AD7	P7i	B4	Public Sector Square Foot Benchmarking Penetration Capable/Year	Indicator	B4-P[Indicator] Percent of floorplan area of all Public Sector buildings with current benchmark	Percent	Public Sector (P)	N/A - Indi	N/A - Indicator				N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator	N/A - Indicator
[PA Name]	A12	WET-1	1	Collaborations	Metric	Number of collaborations by Business Plan sector to jointly develop or share training materials or resources	Count	Workforce Education and Training (WET)	N/A	N/A				N/A	N/A	N/A	N/A	N/A
[PA Name]	A12	WET-2	1	Penetration	Metric	Number of participants by sector	Count	Workforce Education and Training (WET)		N/A				N/A	N/A	N/A	N/A	N/A
[PA Name]	A12	WET-2	1	Penetration	Metric	Percent of participation relative to eligible target population for curriculum	Percentage	Workforce Education and Training (WET)		N/A				N/A	N/A	N/A	N/A	N/A
[PA Name]	A12	WET-3	1	Diversity	Metric	Percent of total WET training program participants that meet the definition of diverse talent worker	Percentage	Workforce Education and Training (WET)		N/A				N/A	N/A	N/A	N/A	N/A
[PA Name]	A12	WET-3	1	Diversity	Metric	Percent of applicable incentive contract spend by vendors with a demonstrated commitment to provide career pathways to disadvantaged workers	Percentage	Workforce Education and Training (WET)		N/A				N/A	N/A	N/A	N/A	N/A
[PA Name]	A12	WET-3i	1	Diversity	Indicator	Number Career & Workforce Readiness (CWR) participants who have been employed for 12 months after receiving the training	Count	Workforce Education and Training (WET)		N/A				N/A	N/A	N/A	N/A	N/A



County of Los Angeles
INTERNAL SERVICES DEPARTMENT

1100 North Eastern Avenue
Los Angeles, California 90063

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FAX: (323) 264-7135

"To enrich lives through effective and caring service"

October 29, 2018

Substitute Sheets for Advice Letter 8-E-A/8-G-A
(CPUC Identification #940)

Public Utilities Commission of the State of California

SUBJECT: Substitute Sheets for Advice Letter 8-E-A/8-G-A

Dear Energy Division Tariff Unit:

An original and 1 copy of substitute sheets are attached for Advice Letter 8-E-A/8-G-A, *"Supplement: Compliance Filing Regarding Advice Letter 8-E/8-G Regarding The Southern California Regional Energy Network 2019 Energy Efficiency Program Portfolio Changes And Funding Request"*

With a clarification request from Energy Division, SoCalREN is updating the protest period on page 9 of SoCalREN AL 8-E-A/8-E-A. SoCalREN updates the section protest period to request that the CPUC Energy Division waive the reopening of the protest period for SoCalREN AL 3-E-A/G-A. AL 8-E/8-G submitted on September 4, 2018 did not receive a protest during the 20 day protest period and the supplemental information in AL 8-E-A/8-G-A does not result in changes to the summary filing metrics on CEDARS.

In accordance with GO 96-B, Section 7.5.1, the substitute sheets are being served in the same manner as the original advice letter. For administrative convenience, a new version of the affected sheets is attached. Please discard the previously submitted pages.

Please telephone me at (949) 732-1078 should you have any questions regarding the substitute sheets.

_/s/ Marc Costa _____

Marc Costa
SoCalREN Regulatory

Protests

SoCalREN requests from the CPUC Energy Division that protests be waived for this Advice Letter. AL 8-E/8-G submitted on September 4, 2018 did not receive a protest during the 20 day protest period and the supplemental information in AL 8-E-A/8-G-A does not result in changes to the summary filing metrics on CEDARS.

Effective Date

Per D.14-10-046 this Advice Letter 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 SoCalREN respectfully requests that this Advice Letter be made effective on November 28, 2018, which is 30 calendar days after the date filed.

Notice

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



California Public Utilities Commission

ADVICE LETTER SUMMARY ENERGY UTILITY



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

Company name/CPUC Utility No.: Southern California Regional Energy Network #940

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Minh Le
 Phone #: (323)267-2006
 E-mail: MSLe@isd.lacounty.gov
 E-mail Disposition Notice to: MSLe@isd.lacounty.gov

EXPLANATION OF UTILITY TYPE
 ELC = Electric GAS = Gas WATER = Water
 PLC = Pipeline HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 8-E-A/8-G-A

Tier Designation: 2

Subject of AL: SUPPLEMENT: COMPLIANCE FILING REGARDING ADVICE LETTER 8-E/8-G REGARDING THE SOUTHERN CALIFORNIA REGIONAL ENERGY NETWORK 2019 ENERGY EFFICIENCY PROGRAM PORTFOLIO CHANGES AND FUNDING REQUEST

Keywords (choose from CPUC listing): Energy Efficiency, Portfolio, Compliance

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: D.15-10-028 and D.18.05-041

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: no, supplements original

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

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: 11/28/18

No. of tariff sheets: N/A

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

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: N/A

Service affected and changes proposed¹: Supplemental AL to clarify ED questions on AL 8E/8G narrative and CEI

Pending advice letters that revise the same tariff sheets: N/A

Discuss in AL if more space is needed.

Clear Form

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: Minh Le
Title: Energy and Environmental Services General Manager
Utility Name: County of Los Angeles
Address: 1100 North Eastern Avenue
City: Los Angeles
State: California Zip: 90063-3200
Telephone (xxx) xxx-xxxx: (323) 267-2006
Facsimile (xxx) xxx-xxxx:
Email: MSLe@isd.lacounty.gov

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

Clear Form



County of Los Angeles
INTERNAL SERVICES DEPARTMENT

1100 North Eastern Avenue
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"To enrich lives through effective and caring service"

October 26, 2018

Advice Letter 8-E-A/8-G-A
(CPUC Identification #940)

Public Utilities Commission of the State of California

SUBJECT: SUPPLEMENT: COMPLIANCE FILING REGARDING ADVICE LETTER 8-E/8-G REGARDING THE SOUTHERN CALIFORNIA REGIONAL ENERGY NETWORK 2019 ENERGY EFFICIENCY PROGRAM PORTFOLIO CHANGES AND FUNDING REQUEST

Purpose

The purpose of this advice letter is to make changes to a portion of the compliance filing originally contained within Advice Letter 8-E/8-G. These changes are made in accordance with General Order (GO) 96B, General Rule 7.5.1, which authorizes additional changes to an advice letter through the submittal of a supplemental advice letter.

This advice letter supplements Advice Letter 8-E/8-B in part and clarifies additional questions from the Commission Energy Division (ED) staff.

Background

The Southern California Regional Energy Network (SoCalREN) submitted its 2019 Energy Efficiency (EE) portfolio budget on September 4, 2018 by Tier 2 Advice Letter (AL) to the California Public Utilities Commission (Commission), in compliance with *Decision Re Energy Efficiency Goals for 2016 and Beyond and Energy Efficiency Rolling Portfolio Mechanics*, the "Rolling Portfolio decision," (D.15-10-028)¹ and the *Decision Addressing Energy Efficiency Business Plans*

¹ D. 15-10-028, Ordering Paragraph (OP) 4.

(D.18-05-041)² and guidance from the Commission Energy Division (ED) Staff. The SoCalREN AL provided the 2019 proposed budget, a description of programmatic adjustments and updated supporting documentation for its energy efficiency programs. Subsequent to the filing, the ED sent SoCalREN two written requests to clarify specific sections of AL 8-E/8-G.

Discussion

SoCalREN is submitting a supplemental annual budget advice letter (Advice Letter 8-E/8-G) to provide clarifications requested by the ED. SoCalREN's responses are summarized below.

Clarification Request 1

SoCalREN needs to replace Tables 1-3 on page 2 of their ABAL with the tables provided in the Energy Division template (tables 1b, 2b, 3bi, 3bii and 3biii).

Clarification Response 1

SoCalREN's updated tables are included below and replace Tables 1-3 on page 2 of AL 8-E/8-G. Tables provided in the ED template (tables 1b, 2b, 3bi, 3bii and 3biii) were used and are included below.

Table 1b

Sector	Program Year Budget	SoCalREN FORECAST ENERGY SAVINGS (Net)		
		SoCalREN forecast kWh	SoCalREN forecast kW	SoCalREN forecast therms (MM)
Residential	\$6,721,000	5474356	735	0.155
Commercial	\$0	na	na	na
Industrial	\$0	na	na	na
Agriculture	\$0	na	na	na
Emerging Tech	\$0	na	na	na
Public	\$11,500,000	na	na	na
Codes and Standards	\$0	na	na	na
WE&T	\$284,000	na	na	na
Finance	\$2,237,000	na	na	na
OBF Loan Pool	\$0	na	na	na
Subtotal	\$20,742,000	5474356	735	0.155
SoCalREN EM&V⁴	\$237,669			
Total SoCalREN PY Spending Budget¹	\$20,979,669			
Uncommitted and Unspent Carryover balance²	\$0			
Total SoCalREN PY Budget Recovery Request³	\$20,979,669			
Authorized PY Budget Cap (D.18-05-041)	\$20,740,920			
Forecast PY TRC	0.27			
Forecast PY PAC	0.29			
SoCalREN Unspent Committed funds (from all prior PY through December 31, 2018)	\$0			

² D. 18-05-041, Ordering Paragraph (OP) 41-45.

Table 1b footnotes are below.

1. Total proposed program year budget spending, including uncommitted unspent carryover
2. The balance of all unspent and uncommitted must reflect the total unspent uncommitted for all prior program years up to and through December 31, 2018. In subsequent ABAL filings, beginning September 2019, PAs are expected to apply any unspent uncommitted funds carried over from the prior program year, to avoid the accrual of multiple years of unspent uncommitted funds. Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed. In the case that the total unspent uncommitted funds to apply is greater than the IOU PY Spending Budget Request, and the Budget Recovery Request calculated is negative, you may reset the Budget Recovery Request to "\$0" overriding the spreadsheet formula, and note the amount of unspent uncommitted funds that will continue to carry forward to be applied in PY 2020.

Table 2b

Sector	Annual Rolling Portfolio Budget Forecast - True-up								
	2018**	2019	2020	2021	2022	2023	2024	2025	Total
Residential	6540000	6721000	6804000	6940000	7079000	7221000	7365000	7512000	56182000
Commercial	0	0	0	0	0	0	0	0	0
Industrial	0	0	0	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0	0	0	0
Emerging Tech	0	0	0	0	0	0	0	0	0
Public	9815000	11500000	11794000	12030000	12270000	12516000	12766000	13022000	95713000
Codes and Standards	0	0	0	0	0	0	0	0	0
WE&T	258000	284000	312000	343000	378000	416000	457000	503000	2951000
Finance	2180000	2237000	2268000	2313000	2360000	2407000	2455000	2504000	18724000
OBF Loan Pool	0	0	0	0	0	0	0	0	0
Subtotal	18793000	20742000	21178000	21626000	22087000	22560000	23043000	23541000	173570000
EM&V¹	0	237668.68	237668.68	237668.68	237668.68	237668.68	237668.68	237668.68	1663680.77
Total Portfolio Program Year SoCalREN Budget	18793000	20979669	21415669	21863669	22324669	22797669	23280669	23778669	175233681
Total Authorized Portfolio PY Budget Cap	18793000	20742000	21178000	21626000	22087000	22560000	23043000	23541000	173570000
Forecast Portfolio PY TRC	0.19	0.27	0.29	0.31	0.32	0.33	0.34	0.35	
Forecast Portfolio PY PAC	0.21	0.29	0.3	0.33	0.35	0.36	0.37	0.38	

** "Reset" 2018 budget at or below 2018 annual budget approved in Business plan Decision. "True-up" years 2019-2025.

¹ The SoCalREN EM&V number is based on the proportion of IOU allocated EM&V funds which will differ year by year. The Decision dictated this distribution. This number was agreed upon by SCE, SoCalREN, and SCG for the ABAL 2019 filing.

Table 3bi

Sector	Annual Rolling Portfolio Savings Forecast - True-up (kWh)								
	2018	2019	2020	2021	2022	2023	2024	2025	
Residential	2,881,748	5,474,356	5,541,961	5,652,735	5,765,953	5,881,614	5,998,904	6,118,638	
Commercial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Industrial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Agriculture	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Emerging Tech	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Public	n/a	n/a	n/a	3,000,000	3,200,000	3,400,000	3,400,000	3,600,000	
Codes and Standards	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WE&T	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
OBF Loan Pool	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Forecast Portfolio Savings	2,881,748	5474356	5541961	8652735	8965953	9281614	9398904	9718638	
CPUC Goal*									
% of Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

* Not applicable to CCA/REN as of 2018, in template for future ABAL when applicable

Table 3bii

Annual Rolling Portfolio Savings Forecast - True-up (kW)								
Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	685	735	744	759	774	790	805	822
Commercial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Industrial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Agriculture	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Emerging Tech	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Public	n/a	n/a	n/a	270	288	306	306	324
Codes and Standards	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WE&T	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
OBF Loan Pool	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Forecast Portfolio	685	735	744	1029	1062	1096	1111	1146
CPUC Goal*								
% of Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

* Not applicable to CCA/REN as of 2018, in template for future ABAL when applicable

Table 3biii

Annual Rolling Portfolio Savings Forecast - True-up (therms)								
Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	96632	154471	156652	159783	162983	166253	169568	172953
Commercial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Industrial	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Agriculture	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Emerging Tech	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Public	n/a	n/a	n/a	7500	8000	8500	8500	9000
Codes and Standards	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
WE&T	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Finance	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
OBF Loan Pool	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Total Forecast Portfolio	96632	154471	156652	167283	170983	174753	178068	181953
CPUC Goal*								
% of Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

* Not applicable to CCA/REN as of 2018, in template for future ABAL when applicable

Clarification Request 2A

On page 10 of your approved business plan, SoCalREN forecasts substantial savings from the Public Sector. However, in the 2019 ABAL SoCalREN forecasts no savings in the Public Sector. Please in your supplemental include the following items to provide further clarity on the discrepancy.

Why is SoCalREN's Public Sector programs forecasting savings in the business plan, but not the ABAL? If SoCalREN's Public Sector programs are achieving savings, why are the savings not reported? Or are they claimed by SCE and SoCalGas?

Clarification Response 2A

During the design and development process prior to commencement of the SoCalREN's Public Agency Program the issue of whether the Program should be resource or non-resource was evaluated. This evaluation included discussions with staff from Southern California Edison (SCE), SoCalGas and Energy Division staff. The final decision was that it would be implemented as a non-resource program in part to ensure compliance with the SoCalREN's mandate from the CPUC to "complement, supplement and fill gaps in IOU programs" and also to address several practical considerations, as follows:

- A fundamental design element of the Public Agency Program is to assist public agencies to maximize and leverage existing core EE incentive and financing programs available through SCE and SoCalGas. Accordingly, the SoCalREN did not request a Public Agency Program incentives budget in its original PIP. The SoCalREN was also advised by the Energy Division staff at the time that it would be both unusual and unprecedented for a downstream EE resource program to not have an incentives budget.
- In addition to leveraging SCE and SoCalGas core EE program incentives, the Public Agency Program also assists many agencies that participate in the SCE and SoCalGas local government partnership (LGP) programs. As a result, it would be very complex and potentially counterproductive to precisely allocate the claimed energy savings among three Program Administrators from upgrade projects that are completed by public agencies enrolled in the SoCalREN. Per CPUC Decision all of the savings achieved by the SoCalREN are ultimately attributed to the SCE and SoCalGas portfolios, so it was determined that there would be little intrinsic value to ratepayers from such an exercise.
- The SoCalREN Public Sector programs pursue SCE and SoCalGas savings measures and are typically claimed by both IOUs through their customized, deemed and midstream programs. The Public Sector program tracks energy savings and non-energy savings metrics to demonstrate progress in its non-resource program towards ABAL metrics and targets. In a parallel process the IOUs track the energy-specific metrics towards their resource program goals.
- To track and recognize the energy savings supported by the SoCalREN Public Agency Program, SCE and SoCalGas collaborated with SoCalREN during the program design to develop a system to "flag" projects supported by the SoCalREN Public Agency Program. These projects are included in the claims reports submitted by each respective utility and are setup to not be double-counted but are recognized by all parties. The energy savings projections included in the Business Plan for the Public

Sector of the SoCalREN would reflect these savings that are supported by a non-resource program, but funneled through the IOU existing resource programs.

- Until very recently, the only mechanism for calculating energy savings by the Public Agency Program was through individual measure incentive values administered through the SCE and SoCalGas core programs. Now that an NMEC measurement methodology is available to the SoCalREN, it is anticipated that a new element will be incorporated into the Public Agency Program to offer an NMEC based incentive option to public agencies that can be separately implemented and tracked as a resource program.
- As the CPUC approved methodologies for measurement of energy savings continue to evolve and as the SCE and SoCalGas EE programs within the Public Sector are restructured over the next few years, the SoCalREN will continue to evaluate the feasibility of converting more components of the Public Agency Program from non-resource to resource.

Clarification Request 2B

If the savings are reported by SCE and SoCalGas are claiming the savings from SoCalREN's Public Sector, please describe why that is the case when the expenses for these projects would count towards SoCalREN's TRC? In addition, can you tell us if SCE and SoCalGas report these claims towards their TRCs (if SoCalREN does not have this answer let us know and we will contact SCE and SoCalGas)?

Clarification Response 2B

The SoCalREN Public Sector programs pursue SCE and SoCalGas savings measure incentives and are typically claimed by both IOUs through their customized, deemed and midstream programs. The Public Sector program tracks energy savings and non-energy savings metrics to demonstrate progress in its non-resource program towards ABAL metrics and targets. In a parallel process the IOUs track the energy-specific metrics towards their resource program goals.

As outlined in the CPUC Standard Practice Manual, TRC captures the ratio of net lifecycle benefits to net lifecycle costs. "The tests set forth in this manual are not intended to be used individually or in isolation. The results of tests that measure efficiency, such as the Total Resource Cost Test, the Societal Test, and the Program Administrator Cost Test, must be compared not only to each other but also to the Ratepayer Impact Measure Test. This multi-perspective approach will require program administrators and state agencies to consider tradeoffs between the various tests." The SoCalREN has interpreted the intent of the TRC to reflect the assignment of benefits and costs not in isolation, but in cooperation with the SoCalREN and the IOUs. Costs are incurred to provide technical assistance and program management/procurement support to public sector customers who participate in the SoCalREN's non-resource programs. Our program does not submit workpapers or manage (administratively or financially) the incentive programs which it leverages.

It is therefore our understanding that the benefits associated with these energy saving activities should be captured in the TRC of the IOUs.

Clarification Request 2C

Finally, if SoCalREN “achieves” savings in the Public Sector, but does not include the savings in their TRC is there a reason for not claiming the savings, such as Commission decision or any other documentation?

Clarification Response 2C

The ED has not yet had a direct role in how the SoCalREN Public Agency program and the IOUs coordinate savings measurement and claims. Documentation supporting this includes the following:

- EE Policy Manual, Page 14: “Implementation Oversight and Reporting Requirements. The RENs are subject to the same periodic reporting requirements as the IOUs to the Commission, listed in Rule V of this Policy Manual. The RENs will also be independently accountable for delivering results outlined in their respective program implementation plans (PIPs). IOUs will receive attribution toward their portfolio goals for REN energy savings.”³
- Decision RE: EE Goals for 2016 & Beyond & EE Rolling Portfolio Mechanics, Page 8: “On the gas side, we see a similar phenomenon. Potential savings available from rebate programs dropped, while potential from C&S increased. “The net effect of both changes is an overall minimal change to the total potential over the 2016-2024 period. Data limitations continue to require us to develop goals by IOU service territories, rather than by PAs. This means that we have not established separate goals for regional energy networks (RENs) or Community Choice Aggregators (CCAs). Their expected savings are embedded within the savings for the service territories of the IOUs.”⁴
- Supplement: Compliance Filing Re: SoCalREN 2018 EE Program Portfolio Changes & Funding Request, Page 7: “For example, the SoCalREN is confident that its current Portfolio could be measured as an “attainment” (~1.0) portfolio TRC provided it was able to receive direct or “ghost” attribution savings for its Public Agency Sector program which, for purposes of SoCalREN cost effectiveness, is currently treated as a non-resource program. In brief, the SoCalREN is burdened on paper with assuming all the costs and expenses of that Program, without a concurrent ability to claim the energy savings

³ [http://www.cpuc.ca.gov/uploadedFiles/CPUC_Public_Website/Content/Utilities_and_Industries/Energy - Electricity and Natural Gas/EEPolicyManualV5forPDF.pdf](http://www.cpuc.ca.gov/uploadedFiles/CPUC_Public_Website/Content/Utilities_and_Industries/Energy_-_Electricity_and_Natural_Gas/EEPolicyManualV5forPDF.pdf)

⁴ D.12-11-015 page 11

<http://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M034/K299/34299795.PDF>

measurably generated by it. Instead, the SoCalREN generates the savings, but only serves as a pass-through for those savings to migrate to and be claimed by the incumbent IOU. The IOU, however, is not compelled to factor the program's cost. Given greater time to identify the best solution for assessing "ghost" attribution savings, programs currently labeled non-resource could provide improvements to, and attainment levels for, Portfolio cost-effectiveness."⁵

- It should be noted above that the SoCalREN is burdened with a portion of the costs and expenses of the program, rather than all the costs due to coordination with the IOUs. As stated in clarification 2A, one of the major reasons for not parsing out attribution is because it would be very complex and potentially counterproductive.

Clarification Request 3

In the 2019 ABAL supplemental, the balance of all unspent and uncommitted must reflect the total unspent uncommitted for all prior program years up to and through December 31, 2018. In subsequent ABAL filings, beginning September 2019, PAs are expected to apply any unspent uncommitted funds carried over from prior program years, to avoid the accrual of multiple years of unspent uncommitted funds. Because each ABAL is filed in Q3, this unspent uncommitted amount will be an estimate for the year in which the ABAL is filed. In the case that the total unspent uncommitted funds to apply is greater than the IOU PY Spending Budget Request, and the Budget Recovery Request calculated is negative, you may reset the Budget Recovery Request to "\$0" overriding the spreadsheet formula and note the amount of unspent uncommitted funds that will continue to carry forward to be applied in PY 2020. Please update and resubmit Table 1 accordingly.

⁵ https://docs.wixstatic.com/ugd/0c9650_c4632cb4e6144a479155aa0eec0e364e.pdf

Clarification Response 3

See Table 1.b below.

Sector	Program Year Budget	SoCalREN FORECAST ENERGY SAVINGS (Net)		
		SoCalREN forecast kWh	SoCalREN forecast kW	SoCalREN forecast therms (MM)
Residential	\$6,721,000	5474356	735	0.155
Commercial	\$0	na	na	na
Industrial	\$0	na	na	na
Agriculture	\$0	na	na	na
Emerging Tech	\$0	na	na	na
Public	\$11,500,000	na	na	na
Codes and Standards	\$0	na	na	na
WE&T	\$284,000	na	na	na
Finance	\$2,237,000	na	na	na
OBF Loan Pool	\$0	na	na	na
Subtotal	\$20,742,000	5474356	735	0.155
SoCalREN EM&V⁴	\$237,669			
Total SoCalREN PY Spending Budget¹	\$20,979,669			
Uncommitted and Unspent Carryover balance²	\$0			
Total SoCalREN PY Budget Recovery Request³	\$20,979,669			
Authorized PY Budget Cap (D.18-05-041)	\$20,740,920			
Forecast PY TRC	0.27			
Forecast PY PAC	0.29			
SoCalREN Unspent Committed funds (from all prior PY through December 31, 2018)	\$0			

Clarification Request 4

PAs must base their 2019 savings forecasts entirely on existing and Commission-approved workpaper values as of 9/4/2018. In the supplemental filing, please present forecasts that are based entirely on Commission-approved workpaper values as of 9/4/2018.

Clarification Response 4

SoCalREN confirms that savings forecasts are based off of historical participation data that includes custom energy models as well as Commission-approved workpaper values as of 9/4/2018. The multifamily program's savings are determined on a calculated basis where some measures utilize deemed work papers that are rolled into the overall project calculations.

The SoCalREN Multifamily (MFM) forecasts are based on energy simulation modeling that also incorporates approved workpaper values, when applicable, with the following safeguards that reflect the following characteristics:

- The MFM program is a calculated program where the savings for measures vary from site to site.
- The program offers bundles of measures for each MFM site. There are no work papers that reflect the bundled measure packages for the MFM sector which would lead to inaccurate energy saving estimates.
- The Multifamily Program under SoCalREN uses a "Custom Measure" Process.
- Commission Decision 11-07-030 process has been followed in that:
 - General review process has been followed:
 - an 'approved tool' EnergyPro has been used with specified measures, projects and inputs
 - A pre-installation review process has been implemented for these projects
 - A post-installation review process has been implemented for these projects
 - ED then conducts a Claim Review Process
 - Values for the savings at the time of submittal use DEER values where applicable, but due to these projects having measures that have interactive effects (e.g. upgrading lighting and insulation reduce the sizing of a HVAC system, and are not captured in any single DEER value. Therefore, an EnergyPro model is built to reflect these synergies / interactive effects.

For that reason, this is a custom measure, a custom project/program and uses the Commission procedures referenced in this clarification.

Protests

Anyone may protest this Advice Letter. The protest must state the grounds upon which it is based. The protest must be made in writing and received by the Commission within 20 days of the date this Advice Letter was filed with the Commission. There is no restriction on who may file a protest. The address for mailing or delivering a protest to the Commission is:

Public Utilities Commission
CPUC Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102

Copies of the protest should also be sent via e-mail to the attention of the Energy Division at EDTariffUnit@cpuc.ca.gov. It is also requested that a copy of the protest be sent by email to addresses shown below on the same date it is mailed or delivered to the Commission.

Minh Le
Energy and Environmental Services
General Manager
County of Los Angeles Office
1100 North Eastern Avenue
Los Angeles, CA 90063-3200
(323) 267-2006
MSLe@isd.lacounty.gov

Effective Date

Per D.14-10-046 this Advice Letter 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 SoCalREN respectfully requests that this Advice Letter be made effective on November 28, 2018, which is 30 calendar days after the date filed.

Notice

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

Respectfully Submitted,

/s/ Minh Le

Minh Le
Energy and Environmental Services General
Manager
County of Los Angeles Office
1100 North Eastern Avenue
Los Angeles, CA 90063-3200
(323) 267-2006
MSLe@isd.lacounty.gov



California Public Utilities Commission

ADVICE LETTER SUMMARY

ENERGY UTILITY



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

Company name/CPUC Utility No.: Southern California Regional Energy Network #940

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Minh Le
 Phone #: (323)267-2006
 E-mail: MSLe@isd.lacounty.gov
 E-mail Disposition Notice to: MSLe@isd.lacounty.gov

EXPLANATION OF UTILITY TYPE

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

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 8-E-A/8-G-A

Tier Designation: 2

Subject of AL: SUPPLEMENT: COMPLIANCE FILING REGARDING ADVICE LETTER 8-E/8-G REGARDING
 THE SOUTHERN CALIFORNIA REGIONAL ENERGY NETWORK 2019 ENERGY
 EFFICIENCY PROGRAM PORTFOLIO CHANGES AND FUNDING REQUEST

Keywords (choose from CPUC listing): Energy Efficiency, Portfolio, Compliance

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: D.15-10-028 and D.18.05-041

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: no, supplements original

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

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: 11/28/18

No. of tariff sheets: N/A

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

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: N/A

Service affected and changes proposed¹: Supplemental AL to clarify ED questions on AL 8E/8G narrative and CEI

Pending advice letters that revise the same tariff sheets: N/A

¹Discuss in AL if more space is needed.

Clear Form

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: Minh Le
Title: Energy and Environmental Services General Manager
Utility Name: County of Los Angeles
Address: 1100 North Eastern Avenue
City: Los Angeles
State: California Zip: 90063-3200
Telephone (xxx) xxx-xxxx: (323) 267-2006
Facsimile (xxx) xxx-xxxx:
Email: MSLe@isd.lacounty.gov

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

Clear Form

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	

Clear Form