

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

Application of Southern California Edison  
Company (U 338 E) for adoption of its Energy  
Efficiency Rolling Portfolio Business Plan and  
related relief.

And Related Matters

Application 17-01-013  
(Filed January 17, 2017)

Application 17-01-014  
Application 17-01-015  
Application 17-01-016  
Application 17-01-017  
(CONSOLIDATED)

**COMPLIANCE FILING OF THE 3C-REN ANNUAL  
BUDGET ADVICE LETTER AL 2-E/1-G (CPUC #220)**

Alejandra Téllez  
Program Management Analyst  
County Executive Office  
County of Ventura  
800 S. Victoria Avenue, L#1940  
Ventura, CA 93009  
Tel: 805-654-3835  
E-mail: Alejandra.Tellez@ventura.org

For the 3C-REN, Tri-County Regional Energy Network  
San Luis Obispo County, Santa Barbara County, and Ventura County

Date: September 4, 2018

**BEFORE THE PUBLIC UTILITIES COMMISSION  
OF THE STATE OF CALIFORNIA**

Application of Southern California Edison Company (U 338 E) for adoption of its Energy Efficiency Rolling Portfolio Business Plan and related relief.

And Related Matters

Application 17-01-013  
(Filed January 17, 2017)

Application 17-01-014  
Application 17-01-015  
Application 17-01-016  
Application 17-01-017  
(CONSOLIDATED)

**COMPLIANCE FILING OF THE 3C-REN ANNUAL  
BUDGET ADVICE LETTER AL 2-E/1-G (CPUC #220)**

Pursuant to the Ordering Paragraph 38 of the May 31, 2018 California Public Utilities Commission's (CPUC or Commission) Decision 15-10-028 and Decision 08-05-041, the County of Ventura for itself and on behalf of the County of San Luis Obispo, County of Santa Barbara, for the Tri-County Regional Energy Network (3C-REN), respectfully submits the following compliance filing of its 2019 Annual Budget Advice Letter (ABAL) and supporting documents attached hereto.

Respectfully submitted,

/s/ Alejandra Tellez

Alejandra Tellez  
Management Analyst, County Executive Office  
County of Ventura  
800 S. Victoria Avenue, L#1940,  
Ventura, CA 93009  
Tel: 805-654-3835

E-mail: Alejandra.Tellez@ventura.org

Dated: September 4, 2018



# ADVICE LETTER SUMMARY

## ENERGY UTILITY



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

Company name/CPUC Utility No.: Tri-County Regional Energy Network (3C-REN)/CPUC #220

Utility type:

☐ ELC ☐ GAS ☐ WATER  
☐ PLC ☐ HEAT

Contact Person: Alejandra Tellez, County of Ventura

Phone #: 805-654-3835

E-mail: alejandra.tellez@ventura.org

E-mail Disposition Notice to: alejandra.tellez@ventura.org

### EXPLANATION OF UTILITY TYPE

ELC = Electric  
PLC = Pipeline

GAS = Gas  
HEAT = Heat

WATER = Water

(Date Submitted / Received Stamp by CPUC)

09/04/2018

Advice Letter (AL) #: 3C-REN AL 2-E/1-G (CPUC #220)

Tier Designation: Tier II

Subject of AL: Compliance Filing of Energy Efficiency Rolling Portfolios Annual Budget Advice Letters (ABAL) for proceeding R.13-11-005 and A.17-01-013, et al. by the Tri-County Regional Energy Network (3C-REN).

Keywords (choose from CPUC listing):

AL Type: ☐ Monthly ☐ Quarterly ☒ Annual ☐ One-Time ☐ Other:

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

In compliance with D.15-10-029 and D.18-05-041

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

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

Confidential treatment requested? ☐ Yes ☒ No

If yes, specification of confidential information:

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

Resolution required? ☐ Yes ☒ No

Requested effective date: 10/4/18

No. of tariff sheets:

Estimated system annual revenue effect (%):

Estimated system average rate effect (%):

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

Tariff schedules affected:

Service affected and changes proposed<sup>1</sup>:

Pending advice letters that revise the same tariff sheets:

<sup>1</sup>Discuss in AL if more space is needed.

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

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

Name: Susan Hughes  
Title: Senior Deputy Executive Officer, Ventura County  
Utility Name:  
Address: 800 S. Victoria Avenue, #L1940  
City: Ventura State: California  
Telephone (xxx) xxx-xxxx: 805-654-3836  
Facsimile (xxx) xxx-xxxx: 805-654-5106  
Email: [susan.hughes@ventura.org](mailto:susan.hughes@ventura.org)

Name:  
Title:  
Utility Name:  
Address:  
City: State: California  
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
Curtailable 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	

**Mike Pettit**  
Assistant County Executive Officer

**Catherine Rodriguez**  
County Chief Financial Officer

**Shawn Atin**  
Assistant County Executive Officer/  
Human Resources Director  
Labor Relations

September 4, 2018

California Public Utilities Commission  
Energy Division Tariff Unit  
505 Van Ness Ave.  
Fourth Floor  
San Francisco, CA 94102-3298

**3C-REN Advice Letter 2-E/1-G**  
**(CPUC # 220)**

**Tier Designation**

This Advice Letter has a Tier 2 designation pursuant to Decision 18-05-041<sup>1</sup>.

**Subject**

3C-REN 2019 Energy Efficiency Annual Budget Advice Letter

**Purpose**

The purpose of this Advice Letter is to seek approval for the 2019 Energy Efficiency Annual Program and Portfolio Budget request for the Tri-County Regional Energy Network (“3C-REN”).

This Advice Letter is filed in compliance with Ordering Paragraph (OP) 4 of Decision 15-10-028, which directs program administrators to file a Tier 2 Advice Letter containing the budget for the next calendar year’s EE portfolio; and with OP 41 of Decision 18-05-041, which directs PAs to include information identified in Section 7.2.

**Background**

The 3C-REN is a collaboration of the three counties, Ventura, Santa Barbara, and San Luis Obispo, in the California Central Coast Region, with a diverse service area that is geographically isolated from utility hubs, has pockets of rural and disadvantaged communities, as well as large underserved Spanish-speaking populations. After several years’ experience and cooperative administration of energy and sustainability programs, the tri-county local governments formed the 3C-REN, led by the County of Ventura, to better leverage resources in the delivery of effective programs on a regional level. In Decision 16-08-019<sup>2</sup>, the California Public Utilities Commission (“CPUC” or “Commission”) provided guidance for Energy Efficiency (“EE”) Rolling Portfolio

---

<sup>1</sup> See D. 18-05-041 page 58.

<sup>2</sup> See D.16-08-019 page 10.

Business Plan (“BP”) filings and included consideration of the formation of new Regional Energy Networks (“RENs”). Since filing 3C-REN’s BP to serve public agencies and their constituencies within Southern California Edison’s (“SCE’s”), Southern California Gas’ (“SoCalGas’s”), and Pacific Gas and Electric’s (“PG&E’s”) service territories, 3C-REN has continued participation in the California Energy Efficiency Coordinating Committee (“CAEECC”) process. 3C-REN remains intent to deliver programs that meet CPUC criteria as indicated by Decision 12-11-015 in the formation and implementation of programs: filling gaps that the investor-owned utilities (“IOUs”) are not serving; developing programs for hard-to-reach markets; and piloting new approaches to programs that have the potential to scale and offer innovative avenues to energy savings.

In Decision 14-10-046 the Commission authorized funding for EE programs until 2025. In 2015 the Commission issued Decision 15-10-028 approving the mechanics for EE rolling portfolio and outlining the business plan application process. On January 23, 2017 3C-REN filed a motion for approval of its rolling portfolio business plan and budget proposal. Decisions 15-10-028 and 18-05-041 provided the requirements of the Annual Budget Advice Letter (“ABAL”) and directed Program Administrators to file the 2019 ABAL by September 4, 2018.

## **Required Cost Effectiveness, Budget, Energy Savings and Metrics Components of ABAL<sup>3</sup>**

### **1. 3C-REN 2019 Budget Request**

3C-REN, as a new REN, requests a total portfolio and Evaluation, Measurement and Verification (“EM&V”) budget of \$ 6,043,428.00. The budget breakdown is reflected in Table 1.

**Table 1: 3C-REN 2019 Budget**

<b>Program</b>	<b>2019 Budget</b>
Residential	\$2,896,876
Codes and Standards	\$1,796,748
WE&T	\$1,270,776
<b>Program Subtotal</b>	<b>\$5,964,400</b>
EM&V (3C-REN only)	\$79,028
<b>Total 3C-REN 2019 Spending Budget</b>	<b>\$6,043,428</b>

---

<sup>3</sup> See D. 18-05-041 page 124-127.

## 2. 3C-REN 2019 Forecasted Energy Savings and Cost-Effectiveness

3C-REN's forecast energy savings in kWh, kW, and therms (MM) are included alongside the sector level budget in Table 2. Forecast cost effectiveness for 2019 in TRC and PAC is also included below.

**Table 2: 3C-REN FORECAST ENERGY SAVINGS (Net)**

Sector	2019 Program Year Budget	forecast kWh	forecast kW	forecast therms (MM)
Residential	\$2,896,876	525,645	320	0.06
Commercial				
Industrial				
Agriculture				
Emerging Tech				
Public				
Codes and Standards	\$1,796,748	n/a	n/a	n/a
WE&T	\$1,270,776	n/a	n/a	n/a
Finance				
OBF Loan Pool				
Subtotal	\$5,964,400	525,645	320	0.06
<b>3C-REN EM&amp;V</b>	<b>\$79,028</b>			
<b>Total 3C-REN 2019 Spending Budget<sup>1</sup></b>	<b>\$6,043,428</b>			
<b>Uncommitted and Unspent Carryover balance<sup>2</sup></b>	<b>\$0</b>			
<b>Total 3C-REN PY Budget Recovery Request<sup>3</sup></b>	<b>\$6,043,428</b>			
<b>Authorized PY Budget Cap (D.18-05-041)</b>				

  

<b>Forecast 2019 TRC</b>	0.19
<b>Forecast 2019 PAC</b>	0.20

<sup>1</sup> Total proposed program year budget spending, including uncommitted unspent carryover

<sup>2</sup> 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.

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



### 3. 3C-REN Portfolio Savings

**Table 3: Annual Rolling Portfolio Budget Forecast - True-up**

Sector	2018 **	2019	2020	2021	2022	2023	2024	2025	Total
Residential	n/a	2,896,876	3,169,197	3,594,291	4,257,943	5,020,442	5,198,653	5,469,177	29,606,579
Commercial									
Industrial									
Agriculture									
Emerging Tech									
Public									
Codes and Standards	n/a	1,796,748	1,814,620	1,750,295	1,513,749	1,224,564	1,246,212	1,216,398	10,562,586
WE&T	n/a	1,270,776	1,278,805	1,231,167	1,067,088	867,324	880,838	859,900	7,455,898
Finance									
OBF Loan Pool									
<b>Subtotal</b>		5,964,400	6,262,622	6,575,753	6,838,780	7,112,330	7,325,703	7,545,475	47,625,063
<b>3C-REN EM&amp;V</b>	n/a	79,028	82,979	87,128	90,613	94,238	97,065	99,977	631,028
<b>Total Portfolio Program Year 3C-REN Budget</b>	n/a	6,043,428	6,345,601	6,662,881	6,929,393	7,206,568	7,422,768	7,645,452	48,256,091
<b>Total Authorized Portfolio PY Budget Cap</b>	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
<b>Forecast Portfolio PY TRC</b>	n/a	0.19	0.23	0.30	0.40	0.50	0.51	0.54	0.38
<b>Forecast Portfolio PY PAC</b>	n/a	0.20	0.25	0.35	0.51	0.69	0.74	0.80	0.49

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

**Table 4: Annual Rolling Portfolio Savings Forecast - True-up (Net kWh)**

Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	n/a	525,645	661,784	916,263	1,323,792	1,747,701	1,836,932	1,969,394
Commercial								
Industrial								
Agriculture								
Emerging Tech								
Public								
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								
OBF Loan Pool								
<b>Total Forecast Portfolio Savings</b>	<b>n/a</b>	<b>525,645</b>	<b>661,784</b>	<b>916,263</b>	<b>1,323,792</b>	<b>1,747,701</b>	<b>1,836,932</b>	<b>1,969,394</b>
CPUC Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
% 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 5: Annual Rolling Portfolio Savings Forecast - True-up (Net kW)**

Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential		320	412	586	858	1,185	1,286	1,399
Commercial								
Industrial								
Agriculture								
Emerging Tech								
Public								
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								
OBF Loan Pool								
<b>Total Forecast Portfolio Savings</b>	<b>n/a</b>	<b>320</b>	<b>412</b>	<b>586</b>	<b>858</b>	<b>1,185</b>	<b>1,286</b>	<b>1,399</b>
CPUC Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
% 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 6: Annual Rolling Portfolio Savings Forecast - True-up (therms)**

Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	n/a	64,818	81,572	114,426	166,626	226,269	243,050	263,102
Commercial								
Industrial								
Agriculture								
Emerging Tech								
Public								
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								
OBF Loan Pool								
<b>Total Forecast</b>								
<b>Portfolio Savings</b>	<b>n/a</b>	<b>64,818</b>	<b>81,572</b>	<b>114,426</b>	<b>166,626</b>	<b>226,269</b>	<b>243,050</b>	<b>263,102</b>
CPUC Goal*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
% 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 7: Authorized PA Budgets for 2018-2025**

	PG&E	SCE	SDG&E	SoCalGas	MCE	SoCalREN	BayREN	Total
<b>2018</b>	\$398,590,433	\$233,027,000	\$116,456,309	\$98,812,573	\$8,532,000	\$18,793,099	\$22,738,000	\$896,949,414
<b>2019</b>	\$390,634,566	\$253,364,000	\$116,456,309	\$101,961,000	\$8,532,000	\$20,740,920	\$23,950,000	\$915,638,795
<b>2020</b>	\$376,627,905	\$271,852,000	\$116,456,309	\$104,064,000	\$12,404,000	\$21,178,362	\$24,615,000	\$927,197,576
<b>2021</b>	\$376,627,905	\$266,803,000	\$116,456,309	\$106,195,000	\$12,404,000	\$21,626,987	\$23,216,000	\$923,329,201
<b>2022</b>	\$376,627,905	\$274,785,000	\$116,456,309	\$108,356,000	\$10,998,000	\$22,086,959	\$23,720,000	\$933,030,173
<b>2023</b>	\$376,627,905	\$283,007,000	\$116,456,309	\$110,548,000	\$10,998,000	\$22,558,944	\$24,605,000	\$944,801,158
<b>2024</b>	\$376,627,905	\$291,476,000	\$116,456,309	\$112,771,000	\$10,998,000	\$23,043,313	\$24,629,000	\$956,001,527
<b>2025</b>	\$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  
(excludi  
ng  
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
-----------------	-----------------	---------------	---------------	--------------	---------------	---------------	-----------------

## **Sector-Level Metrics**

3C-REN is not currently an approved Program Administrator and does not presently have energy efficiency programs using CPUC funding. This submission is 3C-REN's first ABAL. Therefore, 3C-REN does not have sector-level metrics to report for program year 2017.

## **4. Discussion of Proposed Program and Portfolio**

All 3C-REN programs are designed to align with the criteria established in D.12-11-005.

### **Residential Direct Install (TCR-Res-001)**

The 3C-REN proposes a residential direct install program designed to fill a gap in current IOU offerings for the 3C-REN territory, as the region is far removed from IOU training & resources hubs and experiences significant market confusion. The 3C-REN Region is served by three different IOUs – PG&E to the north, SCE to south, SoCalGas in all three counties – with overlapping electrical services in Santa Barbara and Ventura. This increased coverage has not resulted in a higher level of service, but instead led to increased confusion due to different programs, requirements and providers. The 3C-REN program will deliver a direct install (DI) program that targets hard-to-reach (HTR) residential customers, including single family and multifamily, renters and owners, and Disadvantaged Communities (DACs) in Ventura, Santa Barbara and San Luis Obispo Counties, offering a single, unified program to regional residents.

The program will provide energy and behavior change education, installation of simple energy saving measures to build customers trust and interest and deliver a pathway to deeper savings by offering co-pay options for more substantial upgrades. 3C-REN will partner with local non-profits (e.g. Community Action Partnerships, or CAPs), who currently deliver the Energy Savings Assistance (ESA), Middle Income Direct Install (MIDI), and Low-Income Home Energy Assistance Programs (LIHEAP) to leverage their experience and infrastructure to provide 3C-REN program services to a broader audience than they currently serve.

Qualifying customers will receive an in-home visit from a trained assessor who will collect information on the home, provide consumer education, and install DI measures. Education will focus on behavioral changes and easy actions the customer can take to reduce energy use. The program will employ digital education tools such as energy education videos that customer can watch while DI measures are being installed to reduce time spent in the home. Assessors will also cross promote utility and third-party energy management tools (e.g. through Green Button) and demand response programs (e.g. SCE Summer Rate Program). Additionally, assessors will provide initial information on co-pay options for more substantial upgrades.

After the initial site visit, an expert Energy Advisor will follow up with the customer to provide more detailed information on bundled measure options. Using the information obtained during the assessor site visit, the Energy Advisor will help customers identify a scope of work, provide technical advice, pricing information, cost benefit analysis and financing options (e.g. Residential

Energy Efficiency Loans). Customers interested in making more substantial upgrades will work with the Energy Advisor and the local non-profit to complete their project.

A WE&T and C&S overlay is included in this program as 3C-REN will work with local non-profit low-income providers to help build their staffing capacity and provide training, as well as code coaching for permitted projects. Some projects may also be used as hands-on, in the field training opportunities that will result in increased quality assurance. Partnering with local non-profit and low-income service providers also provides an opportunity to create career pathways for disadvantaged workers as many of the crew members and contractors live in the disadvantaged communities that they serve.

The program budget for 3C-REN RES DI, (TCR-Res-001) shall be \$2,896,876.

The 3C-REN Residential DI program will target hard-to-reach (HTR) residential customers, including single-family and multifamily, renters and owners, and moderate-income families not currently being served by, nor meeting the criteria of current ESA, LIHEAP, or MIDI in Ventura, Santa Barbara and San Luis Obispo Counties.

This resource program will include measure types including lighting, air sealing, insulation, HVAC measures, water flow controls, smart thermostat, power strip, plug load feedback device, duct system servicing, appliances, pool pumps, and water heating measures.<sup>4</sup> 3C-REN is currently engaging IOUs and organizations that contract DI services to identify additional measures beyond those offered by ESA, MIDI, and LIHEAP that have potential to enhance service and savings, as well as overcome any administrative barriers that may inhibit successful delivery. Single measures will be allowed. Savings will be deemed per measure.

#### Codes and Standards (C&S) (TCR-CS-001)

The 3C-REN proposes a cross-cutting C&S program designed to fill gaps in current IOU offerings for the 3C-REN territory. The 3C-REN program will offer local, person-to-person trainings and mentorship opportunities, as well as counter and on-call expert assistance for codes and standards. In addition to coordinating with the IOUs to leverage existing Statewide C&S resources, for classroom and online trainings, the 3C-REN will establish a Code Coach offering to run concurrent to and alongside other training efforts.

Building departments in the Central Coast Region will receive building performance support and mentoring for plan review and field compliance. All design-side stakeholders, from the architect to field inspector and from the mechanical engineer to the plan checker, will be encouraged to attend trainings. The Code Coach approach, having local counter-to-counter and on-call experts for the region, will foster an environment where stakeholders have a deeper understanding of building performance and interrelated concerns. The goal is to ensure consistency throughout the

---

<sup>4</sup> This is a preliminary list of measure types. The final measures will be provided in the program Implementation Plan.

Central Coast Region, providing the workforce with a more stable business climate and known code compliance resources.

The program budget for 3C-REN C&S, (TCR-CS-001) shall be \$1,796,748.

The target audience is all construction design-side stakeholders, including building departments, architects, field inspectors, mechanical engineers, and plan checkers. This is a non-resource program.

#### Workforce, Education and Training (WE&T) (TCR-WET-001)

The 3C-REN proposes a cross-cutting WE&T program designed to fill gaps in current investor-owned utilities<sup>5</sup> (IOU) offerings for the 3C-REN territory, as the region is far removed from IOU training & resource hubs. The current IOU training and education programs require substantial travel to energy centers outside of the Tri-County area and are often not designed to meet the needs of local building professionals. The 3C-REN program will offer career pathways and enrichment by providing access to in-person trainings, mentorship opportunities and cross promotion of IOU workforce trainings, including hard-to-reach (HTR) workers and those in identified disadvantaged communities (DACs).

Building professionals living and working in the 3C-REN territory face unique challenges given the dispersed nature of communities within the Tri-County Central Coast Region. The region, and its building professional workforce, have historically struggled to fill key positions in energy efficiency, including the retrofit market and energy code compliant new construction. The 3C-REN WE&T activities will address these challenges through collaboration with existing providers, programs, apprenticeship-style learning, targeted management, technical trainings for building professionals, and integrated resources for design and compliance professionals.

The 3C-REN territory has two primary needs for training and education in addition to local, in-person mentorship:

- Technical Code Compliance, Home Performance and zero net energy (ZNE);
- “Soft Skills” training for better communications, sales and marketing training and business management.

The 3C-REN will leverage established contractor and program relationships to provide technical trainings, Energy Advisor in-field job and installation mentoring, construction firm specific trainings and provide certification opportunities. The 3C-REN’s partnerships and residential Energy Advisor service provide a direct connection to the workforce, leverage and improve the existing labor force and provide apprenticeship-style trainings with real-time experience that

---

<sup>5</sup> For the purposes of this ABAL, the IOUs consist of SoCalGas, SCE and PG&E.

business owners value most. This will set up a network of building professionals and connection to the workforce seeking training and career development.

The 3C-REN will apply a holistic approach to the market with highly targeted training events, using apprenticeship and mentoring style models to enhance the workforce within the 3C-REN territory. Workforce training will be real world reinforced while simultaneously influencing direct energy savings. As a result of a stronger workforce, building departments will increase efficiency and efficacy with existing resources.

The program budget for 3C-REN WE&T (TCR-WET-001) \$1,270,776.

The program targets local building professionals needing more in-depth training, such as contractors, HVAC, engineers, architects, designers, certified energy managers, local jurisdictions' building & safety department staff, lighting professionals, real estate professionals, raters, including professionals in DACs and HTR areas, as well as other key market actors.

The 3C-REN's WE&T program is non-resource and will serve to support 3C-REN and IOU programs in the region by training the workforce that can deliver resource programs.

## **5. Strategies for increased cost-effectiveness**

By the very nature of how REN activities are defined (e.g. "pilot activities in hard-to-reach markets") RENs address market segments that are typically not as cost-effective. Nevertheless, it is 3C-REN's intention to develop improved programs that enhance services, cost and energy savings and deliver other benefits to increase participation while continuing to improve overall cost-effectiveness. 3C-REN will engage in activities that seek to serve hard-to-reach customers, who in the past have not had access to or generally have not participated in energy efficiency programs.

While 2019 is 3C-REN's baseline year, yet, with a directive to be more cost-effective, 3C-REN's forecasted energy savings are projected to improve over time. 3C-REN has one resource program, Residential Direct Install. Strategies for increasing the cost effectiveness of this program in 2019 include:

- Residential Direct Install Program
  - Agile program design and deployment
  - Leveraging existing infrastructure, bulk purchasing, marketing and outreach activities of local non-profits (e.g. Community Action Partnerships, or CAPs), who currently deliver low income energy efficiency programming
  - Collaborative and coordinated approach with PG&E, SCE, and SoCalGas
  - Scale up participation to improve cost effectiveness
  - Analysis of program processes to facilitate continual process improvements that increase efficiency and reduce costs
  - Evaluation of available measure mix to identify additional measures that have the potential to improve cost effectiveness

RENs excel at locally adapted programming, providing on-the-ground engagement, which complement and enhance IOU programs. RENs offer innovative program delivery that has strong potential for success and scalability to engage hard-to-reach markets. The RENs should be evaluated as a complimentary addition to the IOU Statewide programs.

### **Portfolio Changes, Annual Spending, and Fund Shifting**

3C-REN is not currently an approved Program Administrator and does not presently have energy efficiency programs using CPUC funding. This submission is 3C-REN's first ABAL. Therefore, 3C-REN's 2019 ABAL does not include portfolio changes, changes in annual spending or fund shifts.

### **Protest**

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, which is September 1, 2018. 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](mailto:EDTariffUnit@cpuc.ca.gov). It is also requested that a copy of the protest be sent by email to address shown below on the same date it is mailed or delivered to the Commission.

Susan Hughes  
Senior Deputy Executive Officer  
Ventura County  
800 S. Victoria Avenue  
Ventura, CA 93009  
Telephone: 805-654-3836  
Facsimile: 805-654-5106  
Email: [susan.hughes@ventura.org](mailto:susan.hughes@ventura.org)



## Effective Date

3C-REN requests that this Tier 2 advice filing become effective on regular notice, October 4, 2018, which is 30 calendar days from the date of this filing.

## Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to service list for R.13-11-005 and A17-01-013. Address changes to the General Order 96-B service list should be directed to Alejandra Tellez at [Alejandra.tellez@ventura.org](mailto:Alejandra.tellez@ventura.org) or by calling 805-654-3835. For changes to all other service lists, please contact the Commission's Process Office at 415-703-2021 or by electronic mail at [Process\\_Office@cpuc.ca.gov](mailto:Process_Office@cpuc.ca.gov).



ALEJANDRA TELLEZ,  
Program Management Analyst,  
County Executive Office, County of Ventura  
800 S. Victoria Avenue, L#1940, Ventura, CA 93009  
Tel: 805-654-3835  
E-mail: [Alejandra.Tellez@ventura.org](mailto:Alejandra.Tellez@ventura.org)

For the 3C-REN, Tri-County Regional Energy Network  
San Luis Obispo County, Santa Barbara County and  
Ventura County

## Attachment

- CEDARS Filing Confirmation

**ATTACHMENT TO 3C-REN ABAL**  
**CEDARS Filing Confirmation**

## Alejandra Tellez

---

**From:** cedars@sound-data.com  
**Sent:** Friday, August 31, 2018 2:39 PM  
**To:** Alejandra Tellez  
**Subject:** CEDARS 2019 filing submitted for TCR

### CEDARS FILING SUBMISSION RECEIPT

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

PA: Tri-county Regional Energy Network (TCR)

Filing Year: 2019

Submitted: 14:39:16 on 31 Aug 2018

By: Lacey Tan

Advice Letter Number: 2-E-G

#### \* Portfolio Filing Summary \*

- TRC: 0.1859
- PAC: 0.2045
- TRC (no admin): 0.7912
- PAC (no admin): 1.2931
- RIM: 0.2045
- Budget: \$6,043,428.00

#### \* Programs Included in the Filing \*

- TCR-CS-001: Codes & Standards
- TCR-EMV-001: TCR EM&V
- TCR-Res-001: Residential Direct Install
- TCR-WET-001: Workforce Education & Training

#### ----- Subscriptions

-----  
You can manage your CEDARS email subscriptions here: <https://cedars.sound-data.com/accounts/notifications/>

#### ----- CEDARS Administrator

-----  
The information contained in this message is confidential and intended only for the use of the individual or entity identified. If the reader of this message is not the intended recipient, any dissemination, distribution or copying of the

information in this message is strictly prohibited. If you have received this message by error, please notify the sender immediately.