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)
September 3, 2019

Advice Letter (AL) #: 10-E-A/10-G-A

Tier Designation: 2

Subject of AL: COMPLIANCE FILING REGARDING SOUTHERN CALIFORNIA REGIONAL ENERGY NETWORK 2020 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Does AL replace a withdrawn or rejected AL?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

Summarize differences between the AL and the prior withdrawn or rejected AL: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: 10/3/19 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 proposed[1]: AL 10E/10G narrative and CEDARS tables.

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

[1]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

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	

Clear Form

County of Los Angeles
INTERNAL SERVICES DEPARTMENT
1100 North Eastern Avenue
Los Angeles, California 90063

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"To enrich lives through effective and caring service"

September 3, 2019

Advice Letter 10-E/10-G
(CPUC Identification #940)

Public Utilities Commission of the State of California

SUBJECT: COMPLIANCE FILING REGARDING SOUTHERN CALIFORNIA REGIONAL ENERGY NETWORK 2020 ENERGY EFFICIENCY PROGRAM PORTFOLIO CHANGES AND FUNDING REQUEST

Purpose

The Southern California Regional Energy Network (SoCalREN) submits its 2020 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) and the Decision Addressing Energy Efficiency Business Plans (D.18-05-041) 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 2020.

SoCalREN requests that the Commission approve its 2020 EE Budget, effective as of January 1, 2020. SoCalREN also requests the approval of its updated common metric targets as detailed below.

Background

1. Filing Requirements

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 year 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.

In addition, D.18-05-041 provided further guidance to PAs in submitting Annual Budget Advice Letters (ABAL). D.18-05-041 requires that the Regional Energy Networks (REN) Annual Budget Advice Letters (ABAL) include the following:

- Forecasted energy savings goals must meet or exceed the annual energy savings targets included in the PA's business plan; and
- Forecasted budget must not exceed the PA's annual budget in the approved business plans, or (if applicable) the revised annual budget in this ABAL. [1]

Furthermore, beginning in 2019, D.18-05-041 directs all PAs to include the following:

> "Beginning with the annual budget advice letters due on September 3, 2019, the program administrators must include updated budget estimates in the same format as the supplemental budget information filed in this proceeding on June 12, 2017."[2]

This supplemental budget information is included in Attachment C of this advice letter.

2. Contents of this Filing

SoCalREN's advice letter is organized as follows:

- Budget
- Cost Effectiveness
- Energy Savings
- Proposed Program and Portfolio Changes
  - Proposal for a new a single-family whole building program
- Metrics

In addition to the information above, SoCalREN's 2020 EE budget AL includes the following materials:

- Attachments
  - Attachment A – SoCalREN 2020 ABAL Tables
  - Attachment B – CEDARS Filing Confirmation
  - Attachment C – Per D.18-05-041, Supplemental Budget Information
  - Attachment D Sector Level Metrics: Updated Targets

[1] D.18-05-041, p. 134

[2] D.18-05-041, Ordering Paragraph (OP) #44 p. 192

Discussion

A. BUDGET

SoCalREN requests a total portfolio and evaluation, measurement & verification ("EM&V") budget of $21,420,431. This budget reflects a total authorized program year cap as adopted in D.18-05-041 and includes shifts between sectors. Specifically, shifting more funds to the Residential sector for resource strategies and maintaining ample amount of funds within the public sector to advance new innovative resource strategies that were introduced in 2019 and ramp up significantly in 2020. The total program budget request is based on portfolio modifications that are oriented toward exceeding the SoCalREN annual savings goal target for 2020 as established in D.19-08-034. SoCalREN's proposed portfolio is forecasted to meet a TRC of 0.55 for 2020.

Table 1 provides an overview of SoCalREN's 2020 forecasted portfolio budget, savings, and cost-effectiveness. The net savings forecast excludes market effects.

TABLE 1. SoCalREN Budget and Savings Summary

Sector	Program Year Budget	SoCalREN FORECAST ENERGY SAVINGS (Net) Forecast kWh	Forecast kW	Forecast therms (MM)
Residential	$7,578,000	6,231,734	1,120	190,573
Commercial	$0	na	na	na
Industrial	$0	na	na	na
Agriculture	$0	na	na	na
Emerging Tech	$0	na	na	na
Public	$11,750,000	299,250	27	748
Codes and Standards	$0	na	na	na
WE&T	$350,000	na	na	na
Finance	$1,500,000	na	na	na
OBF Loan Pool	$0	na	na	na
Subtotal	$21,178,000	6,530,984	1,147	191,321
SoCalREN PY 2019 ABAL 2020 Savings Goal Adopted Submission [1]		*5,541,961*	*735*	*154,471*
Forecast Savings as a % of PY 2019 ABAL Adopted Submission		***118%***	***156%***	***124%***
SoCalREN EM&V[2]	$242,431			
Total SoCalEN PY Spending Budget[3]	$21,420,431			
Uncommitted and Unspent Carryover balance[4]	$0			
Total SoCalREN PY Budget Recovery Request[5]	$21,420,431			
Authorized PY Budget Cap (D.18-05-041)	$21,178,000			

Forecast PY TRC	0.55
Forecast PY PAC	0.88

SoCalREN Unspent Committed funds (from all prior PY through December 31, 2018)	$0

Table 1 Footnotes:

[1] Per D. 19-08-034, p. 28.

[2] Per D.16-08-019, the SoCalREN 2020 EM&V budget is based on the proportion of IOU allocated EM&V funds.

[3] Total proposed program year budget spending, including uncommitted unspent carryover

[4] The balance of all unspent and uncommitted must reflect the total unspent uncommitted for all prior program years up to and through December 31, 2019. 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.

[5] Amount of funds to be collected for the Program Year - Line 18 less Line 19

Table 2 provides an overview of SoCalREN's forecasted annual portfolio and EM&V budgets, as well as cost-effectiveness until 2025.

TABLE 2. SoCalREN Annual Rolling Portfolio Budget Forecast- True Up

	Annual Rolling Portfolio Budget Forecast - True-up								
Sector	2018**	2019	2020	2021	2022	2023	2024	2025	**Total**
Residential	$6,540,000	$6,721,000	$7,578,000	$7,882,000	$8,200,000	$8,250,000	$8,250,000	$8,250,000	$61,671,000
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	$11,750,000	$11,794,000	$11,887,000	$12,290,000	$12,693,000	$13,141,000	$94,870,000
Codes and Standards	$0	$0	$0	$0	$0	$0	$0	$0	$0
WE&T	$258,000	$284,000	$350,000	$350,000	$400,000	$400,000	$450,000	$500,000	$2,992,000
Finance	$2,180,000	$2,237,000	$1,500,000	$1,600,000	$1,600,000	$1,620,000	$1,650,000	$1,650,000	$14,037,000
OBF Loan Pool	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	$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
EM&V[1]	$ -	$ 237,669	$ 242,431	$ 242,431	$ 242,431	$ 242,431	$ 242,431	$ 242,431	$ 1,692,255
Total Portfolio Program Year SoCalREN Budget	$ 18,793,000	$ 20,979,669	$ 21,420,431	$ 21,868,431	$ 22,329,431	$ 22,802,431	$ 23,285,431	$ 23,783,431	$ 175,262,255
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	0.55	0.57	0.58	0.60	0.62	0.64	
Forecast Portfolio PY PAC	0.21	0.29	0.88	1.1	1.14	1.19	1.25	1.36	

Table 2 Footnotes:

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

[2] Per D.16-08-019, the SoCalREN 2020 EM&V budget is based on the proportion of IOU allocated EM&V funds which differ year by year. EM&V Budgets provided for 2020-2025 remain constant and will be updated annually for each ABAL filing based on updated IOU EM&V allocated budgets.

B. COST-EFFECTIVENESS

As stated above, SoCalREN anticipates achieving a 0.55 TRC and aims to progressively increase that value over the rolling portfolio term each year with the existing authorized budget cap. SoCalREN's increase in cost-effectiveness for 2020 is attributed to the following drivers:

- An increase in the number of resource strategies for PY 2020
- Ramp-up of new innovative programs has begun in 2019 and will significantly increase over the next two years and beyond
- Portfolio balancing that occurred in 2018-2019, specifically, the SoCalREN utilized these initial Business Plan years to (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, and (3) to sunset programs deemed either (a) unsuccessful in achieving cost-effective savings, or (b) attained all objectives over successive bridge years.

These in accumulation have greatly assisted in the improvement in SoCalREN's 2020 portfolio cost-effectiveness. Tactics to ensure an increasing portfolio cost-effectiveness over the next five years include:

- Reducing overall program costs while aggressively increasing savings over the near term for new and existing resource strategies
- Utilizing innovative approaches in new sectors that capture below code stranded savings
- Streamlining processes for administering the REN and applying additional program implementation efficiencies so that a greater amount of dollars can be applied to project turnover and savings realization.

C. SAVINGS

Table 3, 4 and 5 provide an overview of SoCalREN's forecasted annual rolling portfolio savings forecasts.

Table 3. SoCalREN Annual Energy Savings Forecast, kWh

	Annual Rolling Portfolio Savings Forecast - True-up (kWh)							
Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	2,881,748	5,474,356	6,231,734	7,070,307	7,484,218	7,867,012	8,265,137	8,687,497
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	299,250	2,565,000	2,693,250	2,827,913	2,969,308	3,117,774
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	6,530,984	9,635,307	10,177,468	10,694,925	11,234,445	11,805,271
SoCalREN PY 2019 ABAL Savings Goals Adopted Submission [1]	-	5,474,356	5,541,961	8,652,375	8,965,953	9,281,614	9,398,904	9,718,638
Forecast Savings as a % of PY 2019 ABAL Adopted Submission	-	***100%***	***118%***	***111%***	***114%***	***115%***	***120%***	***121%***

Footnotes:

[1] **Per D. 19-08-034, p.28.**

Table 4. SoCalREN Annual Energy Savings Forecast, kW

	Annual Rolling Portfolio Savings Forecast - True-up (kW)							
Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	685	735	1,120	1,374	1,472	1,570	1,650	1,733
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	27	231	242	255	267	281
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	1,147	1,605	1,714	1,825	1,917	2,014
SoCalREN PY 2019 ABAL Savings Goals Adopted Submission [1]	-	735	744	1,029	1,062	1,096	1,111	1,146
Forecast Savings as a % of PY 2019 ABAL Adopted Submission	-	***100%***	***154%***	***156%***	***161%***	***167%***	***173%***	***176%***

Footnotes:

[1] **Per D. 19-08-034, p.28.**

Table 5. SoCalREN Annual Energy Savings Forecast, Therms

	Annual Rolling Portfolio Savings Forecast - True-up (therms)							
Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	96,632	154,471	190,573	221,488	235,351	248,551	261,114	274,427
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	748	6,413	6,733	7,070	7,423	7,794
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	154,471	191,321	227,901	242,084	255,621	268,537	282,221
SoCalREN PY 2019 ABAL Savings Goals Adopted Submission [1]	-	154,471	155,662	167,283	170,983	174,753	178,068	181,953
Forecast Savings as a % of PY 2019 ABAL Adopted Submission	-	***100%***	***123%***	***136%***	***142%***	***146%***	***151%***	***155%***

Footnotes:

[1] **Per D. 19-08-034, p.28.**

D. PROPOSED PROGRAM AND PORTFOLIO CHANGES

1. SoCalREN 2020 Portfolio Level Changes

SoCalREN's 2020 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. SoCalREN's 2020 EE portfolio is a continuation of 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. This path includes tactics such as:

- Identifying administrative tasks within program implementation that can be automated or eliminated so long as regulatory compliance or customer support is not compromised.

- Leveraging external resources to offer more strategies while reducing EE ratepayer cost burden

2. Reduced and Expanded Programs

SoCalREN has proposed in this advice filing some performance adjustments to its existing portfolio that allocates more funding resources to resource strategies thus providing the needed diversification to increase portfolio cost-effectiveness.

Pursuant to D.18-05-041, the following list of reduced and expanded programs below reflects those programs whose total budget increased or decreased by more than 40%. In SoCalREN's PY 2020 planning efforts to achieve goals cost-effectively, SoCalREN optimized its portfolio by expanding resource programs, while shifting funds from programs that have not yet been fully launched within the market. This optimization allows for greater achievement in claimable savings while allowing certain strategies not yet fully up to scale to increase overtime and ensure that every ratepayer dollar within the portfolio is being efficiently utilized in PY 2020.

Program ID	Program Name	2019 vs 2020 Budget	Resource/Non-Resources
Enhanced Programs			
SCR-PUBL-B3	Public Agency NMEC Program	+12%	Resource
SCR-WET-D1	Workforce Education & Training Program	+23%	Non-Resource
Budget Placeholder For 2020 Program Pending CPUC Approval			
SCR-RES-A3	SF Whole Building	+100%	Resource
Reduced Programs			
SCR-FIN-C2	Residential Loan Loss Reserve	- 45%	Non-Resource

3. SoCalREN 2020 Program Level Changes

Except as discussed below, the SoCalREN portfolio of programs will remain primarily the same as 2019 offerings with no changes in current program design.

a) New Programs and Sub-programs

SoCalREN is not proposing in any new programs or sub-programs for 2020 in this advice letter filing. However, SoCalREN has created a placeholder for a third party residential single-family program that SoCalREN anticipates filing with the CPUC through the Advice Letter process for approval in Q4 of 2019. SoCalREN has allocated $1.1 million in 2020 for ramp up and program implementation costs for this program anticipated to begin in Q1 of 2020 if approved by the CPUC.

Similar to IOU PA third party contracted program placeholders within their respective ABAL filings, SoCalREN's 2020 ABAL includes budget, energy savings, and cost-effectiveness ***impacts*** of the anticipated residential single-family program.

SoCalREN is also exploring the measures, delivery channels, and other program considerations that will need to be finalized to help realize the potential for fuel substitution projects and measures, based on the adopted decision D.19-08-009, *the Decision Modifying the Energy Efficiency Three-Prong Test Related to Fuel Substitution*.

E. METRICS

1. Progress to Date

D.18-05-041 Ordering Paragraph (OP) 11 directs each Program Administrator (PA) to include its metrics results and assessments in the PA's EE annual reports. To access SoCalREN's most recent metrics report, see SoCalREN's 2019 EE Annual Report for metrics and assessments for Program Year 2018.

2. Update to Common Metric Targets

Due to portfolio balancing that occurred in 2018-2019 and the implementation of new programs in 2019, SoCalREN submits updated Common Metric targets for Commission review and approval.[3] These revised targets reflect updated short, mid and long-term targets values for its portfolio and authorized sectors that take in consideration strategies adopted in SoCalREN's PY 2019 ABAL filing.

3

In addition and in compliance with D.18-10-008, OP 5, SoCalREN, in collaboration with the other PAs, proposes a portfolio-level indicator to track disadvantaged worker participation similar to the disadvantaged worker participation metric for WE&T. SoCalREN will include requirements in its third-party contracts to request third-party implementers to collect and report data (if provided or submitted voluntarily) on participation of disadvantaged workers in their programs.

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 3, 2019, 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

Attachment A – SoCalREN 2020 ABAL Tables

Sector	Program Year Budget	SoCalREN FORECAST ENERGY SAVINGS (Net) Forecast kWh	Forecast kW	Forecast therms (MM)
Residential	$7,578,000	6,231,734	1,120	190,573
Commercial	$0	na	na	na
Industrial	$0	na	na	na
Agriculture	$0	na	na	na
Emerging Tech	$0	na	na	na
Public	$11,750,000	299,250	27	748
Codes and Standards	$0	na	na	na
WE&T	$350,000	na	na	na
Finance	$1,500,000	na	na	na
OBF Loan Pool	$0	na	na	na
Subtotal	$21,178,000	6,530,984	1,147	191,321
SoCalREN PY 2019 ABAL 2020 Savings Goal Adopted Submission [1]		*5,541,961*	*735*	*154,471*
Forecast Savings as a % of PY 2019 ABAL Adopted Submission		***118%***	***156%***	***124%***
SoCalREN EM&V[2]	$242,431			
Total SoCalEN PY Spending Budget[3]	$21,420,431			
Uncommitted and Unspent Carryover balance[4]	$0			
Total SoCalREN PY Budget Recovery Request[5]	$21,420,431			
Authorized PY Budget Cap (D.18-05-041)	$21,178,000			

Forecast PY TRC	0.55
Forecast PY PAC	0.88

SoCalREN Unspent Committed funds (from all prior PY through December 31, 2018)	$0

Annual Rolling Portfolio Budget Forecast - True-up

Sector	2018**	2019	2020	2021	2022	2023	2024	2025	Total
Residential	$6,540,000	$6,721,000	$7,578,000	$7,882,000	$8,200,000	$8,250,000	$8,250,000	$8,250,000	$61,671,000
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	$11,750,000	$11,794,000	$11,887,000	$12,290,000	$12,693,000	$13,141,000	$94,870,000
Codes and Standards	$0	$0	$0	$0	$0	$0	$0	$0	$0
WE&T	$258,000	$284,000	$350,000	$350,000	$400,000	$400,000	$450,000	$500,000	$2,992,000
Finance	$2,180,000	$2,237,000	$1,500,000	$1,600,000	$1,600,000	$1,620,000	$1,650,000	$1,650,000	$14,037,000
OBF Loan Pool	$0	$0	$0	$0	$0	$0	$0	$0	$0
Subtotal	$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
EM&V[1]	$ -	$ 237,669	$ 242,431	$ 242,431	$ 242,431	$ 242,431	$ 242,431	$ 242,431	$ 1,692,255
Total Portfolio Program Year SoCalREN Budget	$ 18,793,000	$ 20,979,669	$ 21,420,431	$ 21,868,431	$ 22,329,431	$ 22,802,431	$ 23,285,431	$ 23,783,431	$ 175,262,255
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	0.55	0.57	0.58	0.60	0.62	0.64	
Forecast Portfolio PY PAC	0.21	0.29	0.88	1.1	1.14	1.19	1.25	1.36	

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

Annual Rolling Portfolio Savings Forecast - True-up (kWh)

Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	2,881,748	5,474,356	6,231,734	7,070,307	7,484,218	7,867,012	8,265,137	8,687,497
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	299,250	2,565,000	2,693,250	2,827,913	2,969,308	3,117,774
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	6,530,984	9,635,307	10,177,468	10,694,925	11,234,445	11,805,271
SoCalREN PY 2019 ABAL Savings Goals Adopted Submission [1]	-	5,474,356	5,541,961	8,652,375	8,965,953	9,281,614	9,398,904	9,718,638
Forecast Savings as a % of PY 2019 ABAL Adopted Submission	-	***100%***	***118%***	***111%***	***114%***	***115%***	***120%***	***121%***

Footnotes:

[1] Per D. 19-08-034, p.28.

Annual Rolling Portfolio Savings Forecast - True-up (kW)

Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	685	735	1,120	1,374	1,472	1,570	1,650	1,733
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	27	231	242	255	267	281
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	1,147	1,605	1,714	1,825	1,917	2,014
SoCalREN PY 2019 ABAL Savings Goals Adopted Submission [1]	-	735	744	1,029	1,062	1,096	1,111	1,146
Forecast Savings as a % of PY 2019 ABAL Adopted Submission	-	***100%***	***154%***	***156%***	***161%***	***167%***	***173%***	***176%***

Footnotes:

[1] Per D. 19-08-034, p.28.

Annual Rolling Portfolio Savings Forecast - True-up (therms)

Sector	2018	2019	2020	2021	2022	2023	2024	2025
Residential	96,632	154,471	190,573	221,488	235,351	248,551	261,114	274,427
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	748	6,413	6,733	7,070	7,423	7,794
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	154,471	191,321	227,901	242,084	255,621	268,537	282,221
SoCalREN PY 2019 ABAL Savings Goals Adopted Submission [1]	-	154,471	155,662	167,283	170,983	174,753	178,068	181,953
Forecast Savings as a % of PY 2019 ABAL Adopted Submission	**-**	***100%***	***123%***	***136%***	***142%***	***146%***	***151%***	***155%***

Footnotes:

[1] Per D. 19-08-034, p.28.

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 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: 2020

Submitted: 14:01:02 on 03 Sep 2019

By: Julie Tan

Advice Letter Number: 10-E/10-G

* Portfolio Filing Summary *

- TRC: 0.5472
- PAC: 0.8846
- TRC (no admin): 1.0997
- PAC (no admin): 4.7099
- RIM: 0.8846
- Budget: $21,178,000.00

* Programs Included in the Filing *

- SCR-FIN-C1: Public Agency Revolving Loan Fund
- SCR-FIN-C2: Residential Loan Loss Reserve
- SCR-PUBL-B1: Energy Efficiency Project Delivery Program
- SCR-PUBL-B2: DER DAC Project Delivery Program
- SCR-PUBL-B3: Public Agency NMEC Program
- SCR-RES-A1: Multifamily Program
- SCR-RES-A2: Residential Community Coordinator
- SCR-RES-A3: SF Whole-building
- SCR-WET-D1: Workforce Education & Training Program

Attachment C – Per D.18-05-041, Supplemental Budget Information

Table of Contents

Approved Meet & Confer Document by Program Administrators, Office of Ratepayers and The Utility Reform Network

I. DESCRIPTION OF IN-HOUSE EE ORGANIZATIONAL STRUCTURE & ASSOCIATED COSTS

A. Narrative description of in-house departments/organizations supporting the PA's EE portfolio

SoCalREN is currently administered and managed by the County of Los Angeles Internal Services Department (ISD). Within LA County ISD there are three departments that support the administration and management of SoCalREN. These departments include:

- County Office of Sustainability (COS):
  - Environmental Initiatives Division
  - COS Planning & Administration
- Information Technology Service
  - Shared Services Branch Internet Development
- Administration & Finance Service
  - Finance

These departments work as shared services between LA County's workforce of more than 100,000 employees in over 40 County Departments, and the County's government and community initiatives portfolio (including the Regional Energy Network). These departments are further described in detail below.

1) Functions conducted by each department/organization

County Office of Sustainability. The LA County Office of Sustainability (COS) is comprised of two divisions (the Energy Management Division (EMD) and the Environmental Initiatives Division (EID)), and coordinates energy efficiency, climate action, conservation, and sustainability programs to decrease utilization and maximize the efficient use of natural resources. Some initiatives that this office supports include: climate mitigation, energy efficiency, land-use planning, alternative fuels and transportation.

COS was originally formed to respond to legislation, regulation and policy related to Climate Change and to serve as a central programmatic agency for coordination of Energy Efficiency, Conservation and Sustainability Programs within the County, its facilities and the region. COS develops and implements programs and projects that impact and benefit the constituents of Los Angeles County, for instance: the Southern California Energy network, Environmental Service Center, and websites such as SolarMap.LACounty.gov and Green.LACounty.gov. In addition, COS is playing an important role in

coordinating and implementing Energy and Environmental initiatives,[1] County Green Building programs, and Climate Action activities for the State, region and all County departments.

Between the two COS Divisions, EID works internally with County departments and also represents the County in local and statewide organizations to promote energy efficiency, sustainability, climate action planning, related regulatory and legislative review and advisement, and environmental programs and policies. These efforts are supported through various funding sources, such as grants and utility ratepayer programs.

EMD supports the County and ISD by providing energy management services to County Departments, municipalities, and other districts and agencies. Services include utility support, energy efficiency projects, monitoring of building management systems, procurement of electricity, natural gas and water, and the operation of power plants. The Division is comprised of four sections, Power Plants, Energy Efficiency Projects, Energy Support Services, and Energy Management Systems (EEMIS).

Information Technology Service. ISD Information Technology Services (ITS) delivers reliable and secure solutions to support Los Angeles County's technology needs. Providing services to a workforce of more than 80,000 employees in over 40 County Departments, the department safeguards and support mission-critical systems, networks and data. ITS comprehensive information technology shared services include: application development and maintenance, data center operations, telecommunications support, countywide email solutions and cloud computing services.

Administration & Finance Service. ISD's Administration and Finance Service provides legal, procurement, compliance, and oversight services to EID Programs, including the SoCalREN. In addition, these units assist our business partners and customers in making informed decisions by providing essential information, timely payments and billings and budgetary allocations (including vendor payment inquiry, employment opportunities and employment verification).

2) Management structure and org chart

Figure 1 and 2 provide in illustrative detail the current management structure, support staff and internal support organizations.

Figure 1. SoCalREN Administration and Management Organization Chart, 2019

[1] In 2016, the County created a Chief Sustainability Officer under the County Executive's Office, to focus on sustainability policy and master-planning. This Office administers development of the County's Community Choice Aggregation agency.

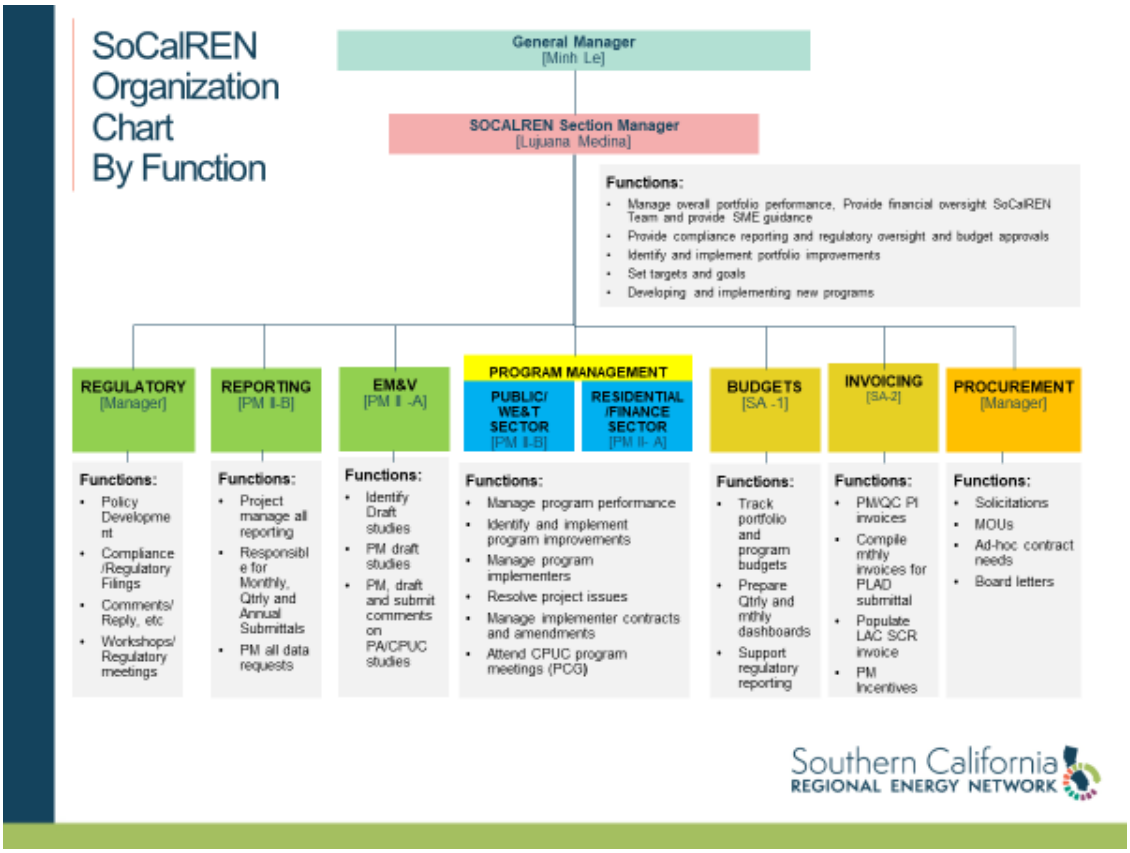
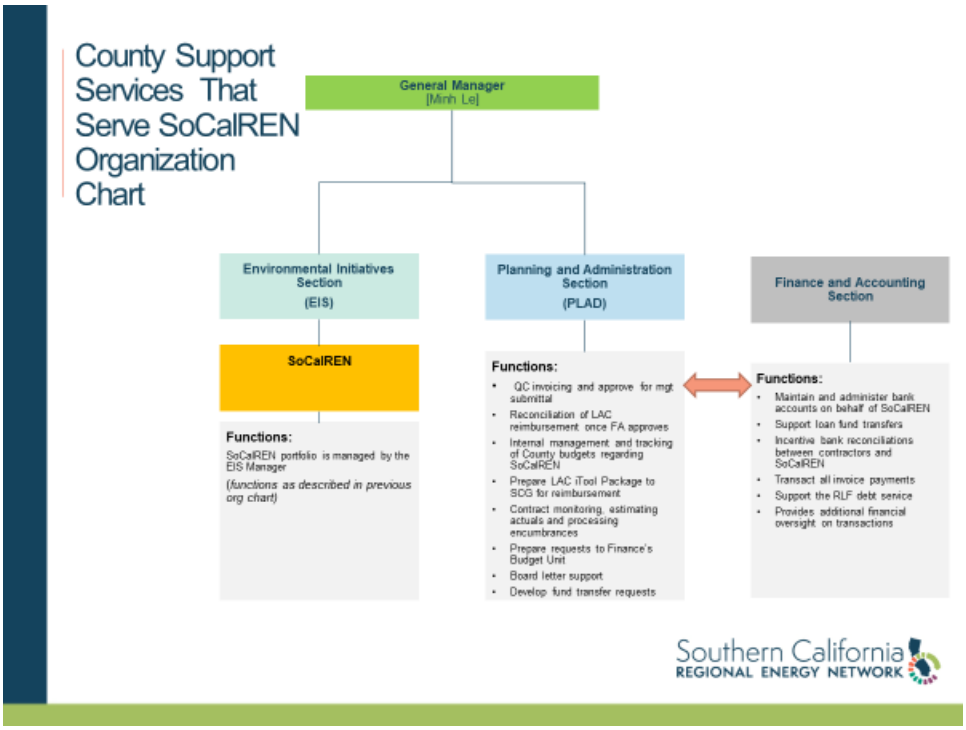


Figure 2. County Support Services That Serve SoCalREN Organization Chart



3) ***Staffing needs by department/organization, including current and forecast for 2019, as well as a description of what changes are expected in the near term (2020-2021) or why it's impossible to predict beyond 2019, if that's the PA's position.***

Currently, SoCalREN's staffing organization as is illustrated in Figure 1 above. The County of Los Angeles anticipates two internal program managers supporting the REN, two internal Staff Assistants/Program Coordinators and one internal manager. There are no current plans to change this staffing structure this year (2019) or within the near term (2020-2021).

4) ***Non-program functions currently performed by contractors (e.g. advisory consultants), as well as a description of what changes are expected in the near term (2020-2021) or why it's impossible to predict beyond 2019, if that's the PA's position.***

Since 2018, SoCalREN program administration, design, and implementation was currently outsourced to third parties that had been selected through a competitive bidding process by LA County, the Administrator of SoCalREN. SoCalREN does not currently nor anticipate in the near term contracting for "non-program" functions. Non-program, contract and billing, and some support functions were conducted by LA County ISD services, with statistically miniscule financial impact on SoCalREN.

As part of a recent program-by-program and Portfolio-wide performance assessment of the SoCalREN, LA County has taken in-house (and will continue to exercise) greater Portfolio planning, oversight, management, and performance tracking. This is an integral part of LA County's pivot to an energy-savings-centric, cost-conscious, and performance-based approach for the SoCalREN. This deeper engagement will reflect somewhat higher LA County administration costs, but these costs net positive against efficiencies and reduced costs of outside consultants. This impact will, however, be economically-scaled and not impact implementation.

Notwithstanding the above, the SoCalREN does plan to continue to outsource program design, and implementation. The intent is to continue to outsource virtually all components of program implementation in the future, pursuant to strict, comprehensive local government and statewide procurement and contracting requirements.

5) ***Anticipated drivers of in-house cost changes by department/organization SoCalREN Response:***

As stated above, there are no current plans for in-house cost changes this year (2019) or within the near term (2020-2021).

6) ***Explanation of method for forecasting costs***

B. Table showing PA EE "Full Time Equivalent" headcount by department/organization

TURN and ORA have requested a table similar to the table provided in PG&E's 2017 General Rate Case (GRC) addressing its Energy Procurement department Full Time Equivalent (FTE) headcount. They have requested for 2016 or 2017 "recorded" positions, depending on what's most appropriate for the PA, or both, if that provides the most clarity. And would like the table to include as well forecast years, for at least 2018. Table 1 below is provided in response to ORA and TURN's request.

Table 1. SoCalREN's FTE headcount by department/organization[2,3]

Functional Group	2018 EE Portfolio FTE	2019 EE Portfolio FTE	2020 EE Portfolio FTE	2021 EE Portfolio FTE
Policy, Strategy, and Regulatory Reporting Compliance	0.8	1	1	1
Program Management	2.25	3.0	3.0	3.0
Engineering Services	0	0	0	0
Customer Application/Rebate/Incentive Processing	0.1	0.5	0.5	0.5
Customer Project Inspections	0	0	0	0
Portfolio Analytics	0.25	0.50	0.50	0.50
EM&V	0	1	1	1
ME&O	0.5	0.25	0.25	0.25
Account Management / Sales	0.25	0.1	0.1	0.1
IT	0.1	0.1	0.1	0.1
Call Center	0.1	0.0	0.0	0.0
Total	**4.35**	**6.45**	**6.45**	**6.45**

C. Table showing costs by functional area of management structure

Please see Tables 2 through 6 below which provides SoCalREN's costs by functional area of management structure.

Table 2. SoCalREN's Residential Sector Costs by Labor and Non-Labor Cost Elements

[2] Please note SoCalREN FTE head count include direct full-time SoCalREN staff and County Support Staff services (e.g. Finance, etc).

[3] Full-time equivalent (FTE) is a unit that indicates the workload of an employed person (or student) in a way that makes workloads or class loads comparable across various contexts.

Sector	Cost Element	Functional Group	2018 EE Portfolio Expenditures	2020 EE Portfolio Budget
Residential	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	5,609	77,968
		Program Management	115,476	240,866
		Engineering services	-	-
		Customer Application/Rebate/Incentive Processing	-	-
		Customer Project Inspections	-	-
		Portfolio Analytics	3,346	36,878
		ME&O (Local)	-	-
		Account Management / Sales	-	-
		IT	-	-
		Call Center		-
	Labor Total		124,431	355,712
	Non-Labor	Third-Party Implementer (as defined per D.16-08-019, OP 10)		
		Local/Government Partnerships Contracts (3)		
		Other Contracts		
		Program Implementation	2,641,494	2,994,288
		Policy, Strategy, and Regulatory Reporting Compliance		
		Program Management		
		Engineering services		
		Customer Application/Rebate/Incentive Processing		
		Customer Project Inspections		
		Portfolio Analytics		
		ME&O (Local)		
		Account Management / Sales		
		IT		
		Call Center		
		Facilities		
		Incentives--(PA-implmeneted and Other Contracts Program Implementation) Programs	3,463,685	4,228,000
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)		
	Non-Labor Total		6,105,179	7,222,288
Residential Total			6,229,610	7,578,000
	Other (collected through GRC) (2)	Labor Overheads		

Table 3. SoCalREN's Public Sector Costs by Labor and Non-Labor Cost Elements

Sector	Cost Element	Functional Group	2018 EE Portfolio Expenditures	2020 EE Portfolio Budget
Public Sector	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	3,400	29,600.0
		Program Management	212,866	572,288.0
		Engineering services	-	-
		Customer Application/Rebate/Incentive Processing	13,675	35,415.0
		Customer Project Inspections	-	-
		Portfolio Analytics	4,680	13,100.0
		ME&O (Local)	2,189	8,760
		Account Management / Sales	967	4,669
		IT	6,899	6,890
		Call Center	430	-
	Labor Total		245,106	670,722
	Non-Labor	Third-Party Implementers Contracts (as defined per D.16-08-019, OP 10)		
		Local/Government Partnerships Contracts (3)		
		Other Contracts		
		Program Implementation	7,713,197	11,079,278
		Policy, Strategy, and Regulatory Reporting Compliance		
		Program Management		
		Engineering services		
		Customer Application/Rebate/Incentive Processing		
		Customer Project Inspections		
		Portfolio Analytics		
		ME&O (Local)		
		Account Management / Sales		
		IT		
		Call Center		
		Facilities		
		Incentives--(PA-implmeneted and Other Contracts Program Implementation) Programs		
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)		
	Non-Labor Total		7,713,197	11,079,278
Public Sector Total			7,958,303	11,750,000
	Other (collected through GRC) (2)	Labor Overheads		

Table 4. SoCalREN's Cross-Cutting – Finance Costs by Labor and Non-Labor Cost Elements

Sector	Cost Element	Functional Group	2018 EE Portfolio Expenditures	2020 EE Portfolio Budget
Cross Cutting	Labor(1)	Policy, Strategy, and Regulatory Reporting Compliance	2,288	29,600
		Program Management	68,980	97,585
		Engineering services	-	-
		Customer Application/Rebate/Incentive Processing	1,289	15,563
		Customer Project Inspections		-
		Portfolio Analytics	865	7,860
		ME&O (Local)		-
		Account Management / Sales		-
		IT		-
		Call Center		-
	Labor Total		73,422	150,608
	Non-Labor	Third-Party Implementers Contracts (as defined per D.16-08-019, OP 10)		
		Local/Government Partnerships Contracts (3)		
		Other Contracts		
		Program Implementation	406,405	1,699,392
		Policy, Strategy, and Regulatory Reporting Compliance		
		Program Management		
		Engineering services		
		Customer Application/Rebate/Incentive Processing		
		Customer Project Inspections		
		Portfolio Analytics		
		ME&O (Local)		
		Account Management / Sales		
		IT		
		Call Center		
		Facilities		
		Incentives--(PA-implmeneted and Other Contracts Program Implementation) Programs		-
		Incentives--Third Party Program (as defined per D.16-08-019, OP 10)		
Cross Cutting Total			479,827	1,850,000
	Other (collected through GRC) (2)	Labor Overheads		

D. Table showing cost drivers across the EE organization

Since SoCalREN's inception, cost drivers such as commodity prices or regulatory mandates have not been tracked. However through the energy efficiency business plan exercise, SoCalREN has found the need for increased regulatory and policy support as well as a need for increased coverage across a variety of proceedings. As the CPUC moves to a more integrated approach to planning, energy efficiency administrators will need to be engaged in activities that assist the CPUC is meeting state legislation and the arduous task of integrated resource planning. SoCalREN will make an effort to begin to track these costs and evaluate different cost drivers in an effort to optimize administration and ensure implementation of the REN is done with the up most efficiency.

E. Explanation of allocation of labor and O&M costs between EE-functions and GRC- functions or other non-EE functions

1) When an employee spends less than 100% of her/his time on EE, how are costs tracked and recovered (e.g., on a pro rata basis between EE rates and GRC rates; when time exceeds a certain threshold, all to EE; etc.).

SoCalREN as a non-IOU PA does not have applicable GRC costs or rates. However, LA County ISD who administrates and manages SoCalREN utilizes a daily "timesheet" and program/projects code menu that all employees use to track activities and the respective times allocated to those activities. Activities and time spent supporting those can easily be tracked by initiative as well as by county departments.

2) ***Describe the method used to determine the proportion charged to EE balancing accounts for all employees who also do non-EE work.***

As a non-IOU PA, this question is not applicable to SoCalREN.

3) ***Identify the EE functions that are most likely to be performed by employees who also do non-EE work (e.g. Customer Account Representatives?)***

As mentioned previously in Section II A, SoCalREN is supported by a few of the departments within LA County ISD and these departments act as shared services and support more than 100,000 employees in 40 county departments as well as a multitude of county initiatives. Below is a list of some of the EE functions currently performed by LA County ISD department who also support non-EE county initiatives:

- County Office of Sustainability (COS):
  - Environmental Initiatives Division: program management and oversight, policy, strategy, and regulatory reporting compliance;
  - COS Planning & Administration: contract management and billing and invoicing;
- Information Technology Service
  - Shared Services Branch Internet Development: website and software support
- Administration & Finance Service
  - Finance: payroll services, vendor management;

4) ***Are labor costs charged to EE fully loaded?***

Yes, loaded LA County rates that would apply to EE Labor charges include the following:

- ISD-County Office of Sustainability Overhead
- Top Step Variance[4]
- Employee Benefits
  - Salaries & Wages
  - County Employee Retirement (Pension)
  - Workers' Compensation
  - Flexible Benefits Plan
  - Thrift Plan (Horizons)
  - Other Employee Benefits
  - Retiree Health Insurance
  - FICA (OASDI)

[4] Ratio of actual salaries to budgeted salaries. As per LA County HR policy, salaries are budgeted at maximum rates, although employees may be at lower step salaries.

- Dependent Care Spending Account
- Disability Benefits
- Dental Insurance
- Health Insurance
- Life Insurance
- Unemployment Insurance
- Savings Plan

5) ***How are burden benefit-related administrative and general (A&G) expenses for employees who work on EE programs recovered (EE rates or GRC rates)? **PG&E allocates these costs to EE pursuant to a settlement agreement with MCE and TURN, which was adopted in D.14-08-032.***

As a non-IOU PA, this question is not applicable to SoCalREN.

6) ***When EE and non-EE activities are supported by the same non-labor resources, how are the costs of those resources or systems allocated to EE and non-EE activities?***

SoCalREN program administration, design, and implementation is currently outsourced to third parties. SoCalREN non-labor resources and attributing costs are only allocated to EE activities as dictated by Decision (D.)12-11-015.[5] Currently, all SoCalREN non-labor resource allocations only support EE activities.

7) ***Identify the EE O&M costs that are most likely to be spread to non-EE functions as well as EE, if any***

As a non-IOU PA, this question is not applicable to SoCalREN.

II. BUDGET TABLES INCLUDING INFORMATION IDENTIFIED IN THE SCOPING MEMO

A. Attachment-A, Question C.8

[5] D.12-11-015, p. 94.

SOUTHERN CALIFORNIA REGIONAL ENERGY NETWORK (SOCALREN)
SUPPLEMENTAL 2020 EE BUDGET INFORMATION
PORTFOLIO SUMMARY

	2018 EE Portfolio Expenditures				2020 EE Portfolio Budget				2018 EE Portfolio Savings**			2020 EE Portfolio Forecasted Savings		
Sector	Labor	Non-Labor (excl. Incentives)	Incentives	Total	Labor	Non-Labor (excl. Incentives)	Incentives	Total	KWH	KW	MTHERMS	KWH	KW	MTHERMS
Residential	$ 124,431	$ 2,641,494	$ 3,463,685	$ 6,229,610	$ 355,712	$ 2,994,288	$ 4,228,000	$ 7,578,000	2,881,748	685	96,632	6,231,734	1,120	190,573
Commercial	$ -	$ -	$ -	$ -	-	-	-	-						
Agricultural	$ -	$ -	$ -	$ -	-	-	-	-						
Industrial	$ -	$ -	$ -	$ -	-	-	-	-						
Public (GP)	$ 245,106	$ 7,713,197	$ -	$ 7,958,303	$ 670,722	$ 11,079,278	-	$ 11,750,000	-	-	-	299,250	27	748
Cross Cutting*	$ 73,422	$ 406,405	$ -	$ 479,827	$ 150,608	$ 1,699,392	-	$ 1,850,000						
Total Sector Budget	442,959	10,761,096	3,463,685	14,667,740	$ 1,177,042	$ 15,772,958	$ 4,228,000	$ 21,178,000	2,881,748	685	96,632	6,530,984	1,147	191,321
EM&V-PA	-	-	-	-	$ 218,188	$ 24,243	-	$ 242,431						
EM&V-ED														
OBF - Loan Pool														
EE Total	442,959	10,761,096	3,463,685	14,667,740	$ 1,395,230	$ 15,797,201	$ 4,228,000	$ 21,420,431	2,881,748	685	96,632	6,530,984	1,147	191,321

* Cross Cutting Sector includes Workforce Education & Training, Financing.

B. Attachment-A, Question C.9

Please see tables 2-4 provided above.

C. Attachment-A, Question C.10

SoCalREN does not have any anticipated solicitations at this time scheduled for the near term.

Attachment D Sector Level Metrics: Updated Targets

SoCalREN - Sector Metrics with Targets

Note: See following pages for detailed calculations, assumptions, and notes

Sector	Common Problem	Method Code	Ref #	Metric/Indicator	Unit	Baseline 2016	Reported 2017	Reported 2018	Short-Term Targets 2019	Short-Term Targets 2020	Mid-Term Targets 2021 - 2023	Long-Term Targets 2024 - 2025
Portfolio	Greenhouse Gas Emissions	G	1	Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis	MT CO2	N/A	18,806.83	7,345.01	N/A	5,433.40	6,427.24	6,623.33
	Capturing Energy Savings	S1	2	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	First year annual kW gross	1,168.00	1,812.10	499.31	4,588.00	1,535.61	2,600.12	3,657.87
		S1	3	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	First year annual kW net	876.00	1,267.97	358.78	3,202.00	1,146.82	2,397.84	2,667.30
		S1	4	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	First year annual kWh gross	3,939,665.00	27,004,933.52	17,400,423.83	35,120,467.00	8,527,698.86	24,372,906.40	26,368,614.79
		S1	5	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	First year annual kWh net	2,954,749.00	18,169,801.91	11,063,618.41	25,739,470.00	6,530,983.71	17,752,566.01	19,319,858.08
		S1	6	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	First year annual Therm gross	0.00	264,768.92	74,208.91	TBD	253,536.73	343,488.92	387,850.90
		S1	7	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	First year annual Therm net	0.00	178,366.87	54,364.29	TBD	191,320.94	253,534.64	287,379.22
		S1	8	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	Lifecycle ex-ante kW gross	859,036.00	12,252.27	6,495.34	1,001,374.00	30,439.64	44,989.24	50,834.41
		S1	9	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	Lifecycle ex-ante kW net	644,277.00	8,249.29	4,584.81	748,547.00	22,401.61	33,239.74	37,642.61
		S1	10	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	Lifecycle ex-ante kWh gross	23,598,508.00	254,232,642.24	104,511,235.42	335,428,671.00	211,090,404.43	278,052,827.22	307,888,603.15
		S1	11	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	Lifecycle ex-ante kWh net	17,698,881.00	170,735,416.43	70,848,337.96	247,375,631.00	154,604,706.69	209,923,967.86	232,548,305.59
		S1	12	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	Lifecycle ex-ante Therm gross	0.00	1,356,052.13	870,756.57	TBD	4,665,640.62	5,851,157.76	6,636,450.12
		S1	13	First year annual and lifecycle ex-ante (pre-evaluation) gas, electric, and demand savings (gross and net) - without C&S	Lifecycle ex-ante Therm net	0.00	979,860.60	703,885.11	TBD	3,492,894.42	4,377,080.03	4,974,803.16
	Disadvantaged Communities	S3	14	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	445.00	594.51	43.96	247.00	432.08	506.09	591.41
		S3	15	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	334.00	445.88	39.56	185.00	367.27	430.18	502.70
		S3	16	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	1,335,081.00	2,314,691.11	752,696.81	1,840,706.00	3,218,963.37	3,770,348.17	4,405,972.89
		S3	17	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	1,001,311.00	1,736,018.33	677,427.13	1,380,529.00	2,736,118.86	3,204,795.94	3,745,076.96
		S3	18	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	0.00	92,111.39	29,229.10	TBD	90,989.05	106,574.81	124,541.73
		S3	19	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	0.00	69,083.54	26,306.19	TBD	77,340.69	90,588.58	105,860.47
		S3	20	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	305,831.00	3,593.93	782.18	312,183.00	7,777.41	9,109.62	10,645.37
		S3	21	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	229,373.00	2,515.75	664.85	234,137.00	6,610.80	7,743.18	9,048.56
		S3	22	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	7,994,064.00	12,193,556.32	9,704,610.10	11,044,236.00	57,941,340.62	67,866,267.03	79,307,512.01
		S3	23	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	5,995,548.00	9,145,167.24	8,734,149.09	8,283,177.00	49,250,139.53	57,686,326.98	67,411,385.21
		S3	24	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	0.00	509,930.01	396,331.58	TBD	1,637,802.88	1,918,346.49	2,241,751.23
		S3	25	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	0.00	382,447.51	356,698.42	TBD	1,392,132.45	1,630,594.52	1,905,488.54
	Hard to reach markets	S4	26	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	445.00	594.51	43.96	247.00	432.08	506.09	591.41
		S4	27	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	334.00	445.88	39.56	185.00	367.27	430.18	502.70
		S4	28	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	1,335,081.00	2,314,691.11	752,696.81	1,840,706.00	3,218,963.37	3,770,348.17	4,405,972.89
		S4	29	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	1,001,311.00	1,736,018.33	677,427.13	1,380,529.00	2,736,118.86	3,204,795.94	3,745,076.96
		S4	30	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	0.00	92,111.39	29,229.10	TBD	90,989.05	106,574.81	124,541.73
		S4	31	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	0.00	69,083.54	26,306.19	TBD	77,340.69	90,588.58	105,860.47
		S4	32	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	305,831.00	3,593.93	782.18	312,183.00	7,777.41	9,109.62	10,645.37
		S4	33	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	229,373.00	2,515.75	664.85	234,137.00	6,610.80	7,743.18	9,048.56
		S4	34	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	7,994,064.00	12,193,556.32	9,704,610.10	11,044,236.00	57,941,340.62	67,866,267.03	79,307,512.01
		S4	35	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	5,639,296.00	9,145,167.24	8,734,149.09	8,283,177.00	49,250,139.53	57,686,326.98	67,411,385.21
		S4	36	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	0.00	509,930.01	396,331.58	TBD	1,637,802.88	1,918,346.49	2,241,751.23
		S4	37	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	0.00	382,447.51	356,698.42	TBD	1,392,132.45	1,630,594.52	1,905,488.54
	Cost per unit saved	LC	38	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross kW	$7.00	$2,232.06	$1,959.68	$6.00	$332.35	$6.00	$6.00
		LC	39	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net kW	$9.00	$3,188.65	$2,750.60	$8.00	$445.90	$8.00	$7.00
		LC	40	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross kWh	$0.25	$2.20	$0.99	$0.02	$0.08	$0.17	$0.16
		LC	41	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net kWh	$0.33	$2.94	$1.22	$0.02	$0.06	$0.22	$0.21
		LC	42	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross Therm	$0.00	$19.69	$8.48	TBD	$2.65	TBD	TBD
		LC	43	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net Therm	$0.00	$26.25	$10.29	TBD	$2.00	TBD	TBD
		LC	44	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross kW	$10.00	$2,845.50	$2,819.53	$9.00	$801.27	$674.68	$567.70
		LC	45	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net kW	$13.00	$4,065.01	$3,945.28	$12.00	$1,075.05	$895.62	$753.20
		LC	46	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross kWh	$0.37	$3.52	$1.63	$0.03	$0.19	$0.13	$0.11
		LC	47	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net kWh	$0.49	$4.70	$2.01	$0.04	$0.15	$0.16	$0.14
		LC	48	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross Therm	$0.00	$27.72	$12.94	TBD	$6.39	$4.57	$3.88
		LC	49	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net Therm	$0.00	$36.96	$15.70	TBD	$4.82	$6.06	$5.14
Residential - Single Family	Capturing energy savings	S1	50	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	692.00	358.67	114.27	TBD	438.43	725.60	856.43
		S1	51	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	519.00	269.00	92.29	TBD	306.90	507.92	599.50
		S1	52	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	394,820.00	185,963.52	59,851.40	TBD	250,000.00	413,750.00	488,348.44
		S1	53	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	296,115.00	139,472.64	48,424.71	TBD	175,000.00	289,625.00	341,843.91
		S1	54	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	0.00	28,916.92	12,028.21	TBD	27,671.05	45,795.59	54,052.46

		S1	55	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	0.00	21,687.69	9,952.99	TBD	19,369.74	32,056.91	37,836.72
		S1	56	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	257,832.00	2,154.99	2,049.18	TBD	7,891.77	13,060.88	15,415.73
		S1	57	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	193,374.00	1,508.50	1,551.75	TBD	5,524.24	9,142.62	10,791.01
		S1	58	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	2,329,439.00	1,117,890.79	1,074,879.41	TBD	4,500,000.00	7,447,500.00	8,790,271.88
		S1	59	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	1,747,079.00	838,418.09	869,172.52	TBD	3,150,000.00	5,213,250.00	6,153,190.31
		S1	60	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	0.00	175,561.49	219,316.84	TBD	498,078.94	824,320.64	972,944.28
		S1	61	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	0.00	131,671.12	181,397.47	TBD	348,655.25	577,024.45	681,061.00
	Greenhouse gas emissions	G	62	Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis	MT CO2	128.00	25.67	6.63	TBD	11.50	15.12	16.42
	Depth of interventions	D1-D	63	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - DOWNSTREAM	Lifecycle NET kW/Service Account	296.60	2.95	9.64	TBD	13.38	13.37	13.36
		D1-D	64	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - DOWNSTREAM	Lifecycle NET kWh/Service Account	2,680.00	1,637.54	5,398.59	TBD	7,627.12	7,621.71	7,615.33
		D1-D	65	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - DOWNSTREAM	Lifecycle NET Therms/Service Account	0.00	257.17	1,126.69	TBD	844.20	843.60	842.90
		D1-M	66	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - MIDSTREAM	Lifecycle NET kW/Service Account	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		D1-M	67	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - MIDSTREAM	Lifecycle NET kWh/Service Account	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		D1-M	68	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - MIDSTREAM	Lifecycle NET Therms/Service Account	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		D1-O	69	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - Opt-out	Lifecycle NET kW/Service Account	1.06	N/A	N/A	N/A	N/A	N/A	N/A
		D1-O	70	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - Opt-out	Lifecycle NET kWh/Service Account	605.60	N/A	N/A	N/A	N/A	N/A	N/A
		D1-O	71	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - Opt-out	Lifecycle NET Therms/Service Account	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		D1-U	72	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - UPSTREAM	Lifecycle NET kW/Service Account	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		D1-U	73	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - UPSTREAM	Lifecycle NET kWh/Service Account	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		D1-U	74	Average savings per participant in both opt-in and opt-out programs (broken down by downstream, midstream and upstream, as feasible) - UPSTREAM	Lifecycle NET Therms/Service Account	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Penetration of energy efficiency programs in the eligible ma	P1	75	Percent of participation relative to eligible population	%	0.00%	3.64%	1.14%	0.00%	0.01%	0.01%	0.01%
		P3	76	Percent of participation in disadvantaged communities	%	0.00%	0.87%	1.07%	0.00%	0.01%	0.01%	0.01%
		P4	77	Percent of participation by customers defined as "hard-to-reach"	%	0.00%	1.22%	0.85%	0.00%	0.00%	0.01%	0.01%
	Cost per unit saved	LC	78	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross kW	$9.00	$1,049.85	$453.15	TBD	$137.43	$84.71	$64.24
		LC	79	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net kW	$12.00	$1,499.79	$598.41	TBD	$196.32	$121.02	$91.78
		LC	80	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross kWh	$1.02	$2.02	$0.86	TBD	$0.24	$0.15	$0.11
		LC	81	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net kWh	$1.36	$2.70	$1.07	TBD	$0.34	$0.21	$0.16
		LC	82	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross Therm	$0.00	$12.89	$4.23	TBD	$2.18	$1.34	$1.02
		LC	83	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net Therm	$0.00	$17.18	$5.12	TBD	$3.11	$1.92	$1.45
		LC	84	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross kW	$16.00	$1,740.28	$764.91	TBD	$658.01	$530.91	$450.08
		LC	85	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net kW	$21.00	$2,486.12	$1,010.10	TBD	$940.02	$758.44	$642.97
		LC	86	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross kWh	$1.76	$3.35	$1.46	TBD	$1.15	$0.93	$0.79
		LC	87	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net kWh	$2.35	$4.47	$1.80	TBD	$1.65	$1.33	$1.13
		LC	88	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross Therm	$0.00	$21.36	$7.15	TBD	$10.43	$8.41	$7.13
		LC	89	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net Therm	$0.00	$28.48	$8.64	TBD	$14.89	$12.02	$10.19
	Energy intensity	EI1	90	INDICATOR - Average energy use intensity of single family homes (average usage per household—not adjusted)	BTU from kWh/Service Account	N/A	22,550,923.07	23,229,433.25	N/A	N/A	N/A	N/A
		EI1	91	INDICATOR - Average energy use intensity of single family homes (average usage per household—not adjusted)	BTU/Therm/Service Account	N/A	42,988,392.57	42,606,325.06	N/A	N/A	N/A	N/A
Residential - Multi-Family	Capturing Energy Savings	S1-IU	92	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) - IN UNIT	First year annual kW gross	429.00	927.82	47.99	675.00	452.65	537.49	606.92
		S1-IU	93	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) - IN UNIT	First year annual kW net	322.00	642.88	32.39	506.00	344.30	408.39	462.41
		S1-IU	94	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) - IN UNIT	First year annual kWh gross	3,199,006.00	6,945,887.02	1,289,543.59	5,029,251.00	5,867,422.37	6,967,221.79	7,867,152.30
		S1-IU	95	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) - IN UNIT	First year annual kWh net	2,399,255.00	4,905,626.81	957,412.67	3,771,938.00	4,462,986.16	5,293,790.06	5,993,996.72
		S1-IU	96	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) - IN UNIT	First year annual Therm gross	0.00	192,944.53	35,946.88	TBD	153,610.39	182,403.38	205,963.75
		S1-IU	97	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) - IN UNIT	First year annual Therm net	0.00	130,237.56	26,459.08	TBD	116,841.95	138,592.57	156,924.13
		S1-IU	98	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) - IN UNIT	Lifecycle ex-ante kW gross	542,550.00	5,123.61	791.67	852,958.00	8,147.63	9,674.84	10,924.50
		S1-IU	99	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) - IN UNIT	Lifecycle ex-ante kW net	406,912.00	3,586.53	554.17	639,719.00	6,197.40	7,351.08	8,323.40
		S1-IU	100	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) - IN UNIT	Lifecycle ex-ante kWh gross	19,194,038.00	34,599,953.22	14,954,742.85	30,175,507.00	105,613,602.57	125,409,992.25	141,608,741.48
		S1-IU	101	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) - IN UNIT	Lifecycle ex-ante kWh net	14,084,977.00	25,949,964.92	12,302,572.53	22,631,630.00	80,333,750.89	95,288,221.11	107,891,940.99
		S1-IU	102	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) - IN UNIT	Lifecycle ex-ante Therm gross	0.00	899,682.96	403,876.10	TBD	2,764,987.01	3,283,260.79	3,707,347.55
		S1-IU	103	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) - IN UNIT	Lifecycle ex-ante Therm net	0.00	674,762.22	328,196.95	TBD	2,103,155.02	2,494,666.29	2,824,634.41
		S1-MM	104	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) - MASTER METERED	First year annual kW gross	46.40	0.00	0.00	73.00	0.00	0.00	0.00
		S1-MM	105	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) - MASTER METERED	First year annual kW net	34.80	0.00	0.00	54.70	0.00	0.00	0.00
		S1-MM	106	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) - MASTER METERED	First year annual kWh gross	345,839.00	0.00	119,553.00	543,703.00	543,966.06	645,927.96	729,360.11

	S1-MM	107	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) - MASTER METERED	First year annual kWh net	259,379.00	0.00	80,698.28	407,777.00	413,761.42	490,784.87	555,700.71
	S1-MM	108	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) - MASTER METERED	First year annual Therm gross	0.00	4,609.00	10,849.00	TBD	46,360.60	55,050.51	62,161.18
	S1-MM	109	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) - MASTER METERED	First year annual Therm net	0.00	3,111.08	8,233.25	TBD	35,263.65	41,828.13	47,360.71
	S1-MM	110	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) - MASTER METERED	Lifecycle ex-ante kW gross	58,654.00	0.00	0.00	92,212.00	0.00	0.00	0.00
	S1-MM	111	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) - MASTER METERED	Lifecycle ex-ante kW net	43,991.00	0.00	0.00	69,159.00	0.00	0.00	0.00
	S1-MM	112	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) - MASTER METERED	Lifecycle ex-ante kWh gross	2,075,031.00	0.00	1,312,691.94	3,262,217.00	9,791,389.05	11,626,703.33	13,128,482.00
	S1-MM	113	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) - MASTER METERED	Lifecycle ex-ante kWh net	1,556,273.00	0.00	984,518.96	2,446,663.00	7,447,705.50	8,834,127.63	10,002,612.77
	S1-MM	114	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) - MASTER METERED	Lifecycle ex-ante Therm gross	0.00	17,408.93	129,437.28	TBD	834,490.81	990,909.16	1,118,901.26
	S1-MM	115	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) - MASTER METERED	Lifecycle ex-ante Therm net	0.00	13,056.70	109,729.32	TBD	634,745.67	752,906.28	852,492.78
	SI-CA	116	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) - COMMON AREA	First year annual kW gross	0.00	101.61	65.32	TBD	616.18	731.68	826.18
	SI-CA	117	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) - COMMON AREA	First year annual kW net	0.00	69.09	44.09	TBD	468.69	555.94	629.47
	SI-CA	118	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) - COMMON AREA	First year annual kWh gross	0.00	598,149.98	340,947.41	TBD	1,551,310.43	1,842,090.65	2,080,026.75
	SI-CA	119	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) - COMMON AREA	First year annual kWh net	0.00	425,788.46	252,537.12	TBD	1,179,986.13	1,399,645.58	1,584,775.92
	SI-CA	120	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) - COMMON AREA	First year annual Therm gross	0.00	14,707.47	5,875.42	TBD	25,107.18	29,813.32	33,664.19
	SI-CA	121	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) - COMMON AREA	First year annual Therm net	0.00	9,927.54	4,313.33	TBD	19,097.48	22,652.56	25,648.81
	SI-CA	122	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) - COMMON AREA	Lifecycle ex-ante kW gross	0.00	564.67	910.41	TBD	11,091.22	13,170.18	14,871.32
	SI-CA	123	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) - COMMON AREA	Lifecycle ex-ante kW net	0.00	395.27	637.29	TBD	8,436.41	10,006.88	11,330.48
	SI-CA	124	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) - COMMON AREA	Lifecycle ex-ante kWh gross	0.00	3,098,623.22	4,257,658.31	TBD	27,923,587.81	33,157,631.64	37,440,481.45
	SI-CA	125	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) - COMMON AREA	Lifecycle ex-ante kWh net	0.00	2,323,967.42	3,499,406.89	TBD	21,239,750.30	25,193,620.37	28,525,966.49
	SI-CA	126	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) - COMMON AREA	Lifecycle ex-ante Therm gross	0.00	71,240.76	70,579.35	TBD	451,929.29	536,639.67	605,955.45
	SI-CA	127	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) - COMMON AREA	Lifecycle ex-ante Therm net	0.00	53,430.57	57,533.17	TBD	343,754.73	407,746.14	461,678.49
Greenhouse gas emissions	G	128	Greenhouse gasses (MT CO2eq) Net kWh savings, reported on an annual basis	MT CO2	N/A	981.16	81.38	378.00	398.11	375.58	390.83
Depth of interventions	D3a	129	Energy savings (kWh, kw, therms) per project (building)	Lifecycle Net kW/Service Account	136,253.86	8.64	17.02	149,025.34	33.61	33.47	33.69
	D3a	130	Energy savings (kWh, kw, therms) per project (building)	Lifecycle Net kWh/Service Account	4,820,319.00	61,331.74	239,807.12	5,272,141.00	250,429.17	249,324.95	250,973.08
	D3a	131	Energy savings (kWh, kw, therms) per project (building)	Lifecycle Net Therms/Service Account	0.00	1,607.92	7,077.99	N/A	7,078.77	7,047.56	7,094.15
	D4	132	Average savings per participant Savings per project (property)	Lifecycle Net kW/Service Account	20,495.58	99.54	119.15	22,152.42	311.36	309.98	312.03
	D4	133	Average savings per participant Savings per project (property)	Lifecycle Net kWh/Service Account	725,082.00	706,848.31	1,678,649.84	783,697.00	2,319,600.14	2,309,372.35	2,324,638.20
	D4	134	Average savings per participant Savings per project (property)	Lifecycle Net Therms/Service Account	0.00	18,531.24	49,545.94	TBD	65,567.14	65,278.03	65,709.55
	D5	135	Energy savings (kWh, kw, therms) per square foot	Lifecycle Net kW/Sq Ft	0.12	0.00	0.00	0.13	0.00	0.00	0.00
	D5	136	Energy savings (kWh, kw, therms) per square foot	Lifecycle Net kWh/Sq Ft	4.13	3.85	8.96	4.47	12.50	12.45	12.53
	D5	137	Energy savings (kWh, kw, therms) per square foot	Lifecycle Net Therms/Sq Ft	0.00	0.10	0.26	TBD	0.35	0.35	0.35
Penetration of energy efficiency programs in the eligible market	P1-U	138	Percent of multi-family participation relative to eligible population (by unit and by property) - UNIT	%	40.00%	56.26%	12.20%	60.00%	0.79%	0.85%	0.91%
	P1-P	139	Percent of multi-family participation relative to eligible population (by unit and by property) - PROPERTY	%	0.00%	1.71%	0.43%	0.00%	0.00%	0.01%	0.01%
	P2	140	Percent of square feet of eligible population participating (by property)	%	30.00%	0.41%	0.10%	40.00%	0.50%	0.52%	0.55%
	P3: DAC	141	Percent of participation in disadvantaged communities	%	0.00%	0.02%	0.00%	0.00%	0.00%	0.01%	0.01%
	P3: HTR	142	Percent of participation by customers defined as "hard-to-reach"	%	0.00%	3.50%	0.64%	0.00%	0.01%	0.01%	0.01%
Penetration of benchmarking in the eligible market	B1	143	Percent of benchmarked multi-family properties relative to the eligible population	%	0.19%	N/A	N/A	0.28%	N/A	N/A	N/A
	B6	144	Percent of benchmarking by properties defined as "hard-to-reach"	%	71.00%	N/A	N/A	56.00%	N/A	N/A	N/A
Cost per unit saved	LC	145	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross kW	$6.00	$1,182.21	$1,506.53	$4.00	$295.49	$222.72	$170.19
	LC	146	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net kW	$7.00	$1,688.87	$2,152.19	$5.00	$388.48	$293.13	$223.38
	LC	147	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross kWh	$0.16	$0.18	$0.12	$0.10	$0.04	$0.03	$0.02
	LC	148	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net kWh	$0.21	$0.24	$0.15	$0.13	$0.05	$0.04	$0.03
	LC	149	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross Therm	$0.00	$6.80	$4.25	TBD	$1.40	$1.06	$0.81
	LC	150	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net Therm	$0.00	$9.07	$5.18	TBD	$1.84	$1.39	$1.06
	LC	151	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross kW	$7.00	$1,105.22	$2,054.62	$5.00	$730.72	$614.90	$519.04
	LC	152	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net kW	$10.00	$1,578.89	$2,935.18	$6.00	$960.67	$809.28	$681.25
	LC	153	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross kWh	$0.21	$0.17	$0.17	$0.13	$0.10	$0.08	$0.07
	LC	154	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net kWh	$0.27	$0.22	$0.21	$0.17	$0.13	$0.11	$0.09
	LC	155	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross Therm	$0.00	$6.36	$5.79	TBD	$3.47	$2.92	$2.46
	LC	156	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net Therm	$0.00	$8.48	$7.06	TBD	$4.56	$3.84	$3.24
Energy intensity	EI2	157	INDICATOR - Average energy use intensity of multifamily buildings (average usage per square foot – not adjusted and Average energy use intensity of multifamily units, including in-unit accounts) - SQFT	BTU from kWh/sqft	N/A	10,842.43	10,752.85	N/A	N/A	N/A	N/A

		EI2	158	INDICATOR - Average energy use intensity of multifamily buildings (average usage per square foot – not adjusted and Average energy use intensity of multifamily units, including in-unit accounts) - SQFT	BTU from Therms /sqft	N/A	10,842.43	10,752.85	N/A	N/A	N/A	N/A
		EI2	159	INDICATOR - Average energy use intensity of multifamily buildings (average usage per square foot – not adjusted and Average energy use intensity of multifamily units, including in-unit accounts) - UNIT	BTU from kWh/unit	N/A	15,013,876.06	15,378,358.29	N/A	N/A	N/A	N/A
		EI2	160	INDICATOR - Average energy use intensity of multifamily buildings (average usage per square foot – not adjusted and Average energy use intensity of multifamily units, including in-unit accounts) - UNIT	BTU from therms /unit	N/A	32,519,053.95	34,148,064.43	N/A	N/A	N/A	N/A
Public	Capturing Energy Savings	S1	161	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	857.00	424.00	271.73	500.00	28.35	605.35	1,368.34
		S1	162	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	653.00	287.00	190.00	325.00	26.93	925.58	975.92
		S1	163	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	10,000,538.00	19,274,933.00	15,590,528.43	10,000,000.00	315,000.00	14,503,916.00	15,203,727.19
		S1	164	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	7,823,378.00	12,698,914.00	9,724,545.64	6,500,000.00	299,250.00	10,278,720.50	10,843,540.83
		S1	165	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	14,964.00	23,591.00	9,509.40	18,000.00	787.50	30,426.13	32,009.32
		S1	166	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	8,946.00	13,403.00	5,405.64	9,000.00	748.13	18,404.47	19,608.85
		S1	167	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	N/A	4,409.00	2,744.09	3,000.00	3,309.02	9,083.34	1,368.34
		S1	168	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	N/A	2,759.00	1,841.61	1,950.00	2,243.56	6,739.18	7,197.71
		S1	169	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	112,273,601.00	215,416,175.00	82,911,262.91	60,000,000.00	63,261,825.00	100,411,000.00	106,920,626.34
		S1	170	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	88,855,877.00	141,623,066.00	53,192,667.06	39,000,000.00	42,433,500.00	75,394,748.75	79,974,595.03
		S1	171	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	139,010.00	192,158.00	47,547.00	108,000.00	116,154.56	216,027.50	231,301.57
		S1	172	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	85,297.00	106,940.00	27,028.20	54,000.00	62,583.75	144,736.87	154,936.49
	Greenhouse gas emissions	G	173	Greenhouse gasses (MT CO2eq) based on net lifecycle kWh and Therms savings, reported on an annual basis, incorporating average fuel/technology mix	Net Lifecycle kWh Savings MT CO2	10,823.00	17,800.00	7,257.00	5,000.00	5,023.78	6,036.53	6,216.08
		G	174	Greenhouse gasses (MT CO2eq) based on net lifecycle kWh and Therms savings, reported on an annual basis, incorporating average fuel/technology mix	Net Lifecycle Therm Savings MT CO2	499.00	626.00	172.02	306.00	310.38	436.09	452.51
	Depth of interventions	D3b	175	INDICATOR - Average percent energy savings (kWh, kw, therms) per project building - kWh	%	N/A	N/A	26183903.70%	N/A	N/A	N/A	N/A
		D3b	176	INDICATOR - Average percent energy savings (kWh, kw, therms) per project building - kW	%	N/A	N/A	3081.17%	N/A	N/A	N/A	N/A
		D3b	177	INDICATOR - Average percent energy savings (kWh, kw, therms) per project building - Therm	%	N/A	N/A	0.00%	N/A	N/A	N/A	N/A
		D3b	178	INDICATOR - Average percent energy savings (kWh, kw, therms) per project facility - kWh	%	N/A	N/A	113352489.88%	N/A	N/A	N/A	N/A
		D3b	179	INDICATOR - Average percent energy savings (kWh, kw, therms) per project facility - kW	%	N/A	N/A	2293.15%	N/A	N/A	N/A	N/A
		D3b	180	INDICATOR - Average percent energy savings (kWh, kw, therms) per project facility - Therm	%	N/A	N/A	2702820.00%	N/A	N/A	N/A	N/A
		D5	181	INDICATOR - Average annual energy savings (kWh, kw, therms) per project building floor plan area	kWh/Sq Ft	N/A	N/A	2.17	N/A	N/A	N/A	N/A
		D5	182	INDICATOR - Average annual energy savings (kWh, kw, therms) per project building floor plan area	kW/Sq Ft	N/A	N/A	0.00	N/A	N/A	N/A	N/A
		D5	183	INDICATOR - Average annual energy savings (kWh, kw, therms) per project building floor plan area	Therm/Sq Ft	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Water	W1	184	INDICATOR - Average annual energy savings (kWh, kW therms) per annual flow through project water/wastewater facilities	kW/Mgal	N/A	N/A	2,097,128.00	N/A	N/A	N/A	N/A
		W1	185	INDICATOR - Average annual energy savings (kWh, kW therms) per annual flow through project water/wastewater facilities	kWh/Mgal	N/A	N/A	92.00	N/A	N/A	N/A	N/A
		W1	186	INDICATOR - Average annual energy savings (kWh, kW therms) per annual flow through project - Net Therms water/wastewater facilities	Therm/Mgal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		W2	187	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 eligiblefacilities (treatment facilities pumping stations), /-10% of flow through project facilities	%	N/A	N/A	TBD	N/A	N/A	N/A	N/A
	Penetration of energy efficiency programs and benchmarking in the eligible market	P1	188	Percent of Public Sector accounts participating in programs	%	1.05%	0.00%	0.51%	0.20%	0.47%	0.92%	1.10%
		P2	189	INDICATOR - Percent of estimated floorplan area (i.e., ft2) of all Public Sector buildings participating in building projects—estimate within +/-15% of sector-wide building area, +/-5% of project building area	%	N/A	N/A	1.30%	N/A	N/A	N/A	N/A
	Cost per unit saved	LC	190	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross kW	N/A	N/A	N/A	N/A	$7,604.81	$769.03	$623.14
		LC	191	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net kW	N/A	N/A	N/A	N/A	$8,005.06	$809.50	$655.94
		LC	192	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross kWh	N/A	N/A	N/A	N/A	$0.72	$0.07	$0.06
		LC	193	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net kWh	N/A	N/A	N/A	N/A	$0.68	$0.07	$0.06
		LC	194	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Gross Therm	N/A	N/A	N/A	N/A	$288.18	$28.15	$22.43
		LC	195	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - PAC	$PAC/Lifecycle Net Therm	N/A	N/A	N/A	N/A	$273.77	$28.64	$23.61
		LC	196	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross kW	N/A	N/A	N/A	N/A	$8,851.65	$1,839.94	$1,543.96
		LC	197	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net kW	N/A	N/A	N/A	N/A	$9,317.53	$1,936.78	$1,625.22
		LC	198	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross kWh	N/A	N/A	N/A	N/A	$0.84	$0.17	$0.14
		LC	199	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net kWh	N/A	N/A	N/A	N/A	$0.80	$0.17	$0.15
		LC	200	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Gross Therm	N/A	N/A	N/A	N/A	$335.43	$67.36	$55.58
		LC	201	Levelized cost of energy efficiency per kWh, therm and kW (use both TRC and PAC) - TRC	$TRC/Lifecycle Net Therm	N/A	N/A	N/A	N/A	$318.66	$68.52	$58.51
	Investment In energy efficiency	F2	202	INDICATOR - Total program-backed financing distributed to Public Sector customers requiring repayment (i.e., loans, OBF)	$	N/A	N/A	$4,821,755.28	N/A	N/A	N/A	N/A
	Energy intensity	EI4	203	Average energy use intensity of all Public Sector buildings	BTU from kWh/Service Account	34.00	N/A	33.89	34.12	33.98	33.84	33.69
		EI4	204	Average energy use intensity of all Public Sector buildings	BTU from Therms/Service Account	N/A	N/A	N/A	N/A	0.00	0.00	0.00
		B3	205	Percent of Public sector buildings with current benchmark	%	1.50%	N/A	0.80%	1.63%	1.89%	2.75%	3.69%
		B4	206	INDICATOR - Percent of floorplan area of all Public sector buildings with current benchmark	%	N/A	N/A	23.66%	N/A	N/A	N/A	N/A
Workforce Education and Training	Expanding WE&T Reach via Collaborations	1	207	Number of partnerships by sector (complete "partnership" defined by curriculum developed jointly + agreement)	#	0.00	3.00	3.00	14.00	20.00	30.00	45.00
	Penetration of training	1	208	Number of participants by sector - Residential	#	4,577.00	170.00	170.00	5,359.00	150.00	216.67	300.00
		1	209	Number of participants by sector - Commercial	#	7,564.00	170.00	170.00	8,857.00	200.00	250.00	300.00
		1	210	Percent of participation relative to eligible target population for curriculum	%	N/A	0.02%	0.02%	5.00%	0.25%	0.32%	0.41%
	INDICATOR - Diversity of participants	1	211	Percent of disadvantaged participants trained (ID by zip code)	%	1.00%	4.79%	4.79%	1.00%	65.00%	70.00%	70.00%
		1	212	Percent of incentive dollars spent on measures verified to have been installed by contractors with a demonstrated commitment to provide career pathways to disadvantaged workers	%	0.00%	0.00%	0.00%	0.00%	25.00%	40.00%	50.00%
		1	213	INDICATOR - Number of energy efficiency projects related to the WE&T training on which a participant has been employed for 12 months after receiving the training	#	N/A	N/A	N/A	N/A	N/A	N/A	N/A