



JIM JONES
Director

County of Los Angeles INTERNAL SERVICES DEPARTMENT

1100 North Eastern Avenue
Los Angeles, California 90063

Telephone: (323) 267-2101
FAX: (323) 264-7135

"To enrich lives through effective and caring service"

December 15, 2014

California Public Utilities Commission
Energy Division
Attention: Tariff Unit
505 Van Ness Avenue, 4th Floor
San Francisco, California 94102-3298

ADVICE LETTER #4-E-G (Southern California Regional Energy Network, CPUC
Identification #940)

**SUBJECT: COMPLIANCE FILING REGARDING REVISIONS TO THE SOUTHERN
CALIFORNIA REGIONAL ENERGY NETWORK 2015 ENERGY
EFFICIENCY PROGRAM PORTFOLIO CHANGES AND FUNDING
REQUEST**

I. Introduction

The Southern California Regional Energy Network (SoCalREN) is pleased to submit to the California Public Utilities Commission (CPUC) this Advice Letter in compliance with Ordering Paragraph 16 of Decision 14-10-046. It should be noted that while SoCalREN is not mentioned in Ordering Paragraph 16, a document titled *Required Corrections to Measure Level Input Parameters Identified by Commission Staff per D.14-10-046 Ordering Paragraph 16* issued by Commission staff on November, 3, 2014, includes SoCalREN. This Advice Letter provides budget and programmatic adjustments as requested and updated supporting documentation for energy efficiency programs the SoCalREN will offer in 2015.

II. Background

On March 26, 2014, the SoCalREN submitted the 2015 Energy Efficiency Program Portfolio Changes and Funding Request as an Advice Letter and worked with the Energy Division to resubmit the information as a Response to the Scoping Memoranda and ALJ Rulings in R. 13-11-005 on March 27, 2014. Due to further necessary revisions to the attachments that accompanied the Request, the SoCalREN submitted a Motion for late-filed acceptance on April

16, 2014. This Motion for late filed acceptance was granted on May 2, 2014. On October 16, 2014, the Commission issued Decision 14-10-046 establishing energy efficiency savings goals and approving 2015 energy efficiency programs and budgets.

III. Program Request

The programs approved in D.14-10-046 are continuing programs from 2013-2014. These SoCalREN programs include Energy Upgrade California, Financing and Southern California Regional Energy Center. The SoCalREN with this Advice Letter responds to Commission direction from D.14-10.046 to update budgets, make requested programmatic changes, and update accompanying Total Resource Cost and Program Administrator Cost tests. The SoCalREN includes the following in this Advice Letter:

- Attachment A containing the updated Request
- Appendix A: Summary Tables
- Appendix B: Budget and Savings Placemats
- Appendix C and D: Savings allocation and Funding Source
- Appendix F: Cost Effectiveness E3 Calculators.

Due to the size of Appendix A-F, all documents are available at the public website: <http://action.theenergynetwork.com/about-us/regulatory-information>. One archival DVD and three DVDs containing the electronic files will also be sent directly to the Docket Office.

IV. Funds Requested

SoCalREN has been approved by CPUC a total budget of \$21,651,000 for 2015 per D.14-10-046 Figure 6. A summary budget is provided below.

2015 Budget by Subprogram

Subprogram	2015
A: Energy Upgrade	\$10,577,552
B: Financing	\$2,779,250
C: SoCalREC	\$8,294,198
Total SoCalREN	\$21,651,000

V. Effective Date

D.14-10-046 indicates this Advice Letter should be classified as Tier 2. SoCalREN respectfully requests that this filing become effective on January 14, 2015, which is 30 days from the date filed.

I. Protest

Anyone may protest this Advice Letter. The protest must state the grounds upon which it is based. The protest must be made in writing and received by the Commission within 20 days of the date this Advice Letter was filed with the Commission, or January 4, 2015. 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.

Howard Choy, General Manager County of Los Angeles Office of Sustainability 1100 North Eastern Avenue Los Angeles, CA 90063-3200 (323) 267-2006 HChoy@isd.lacounty.gov	Jody London Jody London Consulting P.O. Box 3629 Oakland, California 94609 510-459-0667 jody_london_consulting@earthlink.net
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II. Notice

A copy of this Advice Letter has been served on the utilities and interested parties to service list R.13-11-005 by electronic mail.

Respectfully Submitted,



Howard Choy, General Manager
County of Los Angeles Office of Sustainability
1100 North Eastern Avenue
Los Angeles, CA 90063-3200
(323) 267-2006
HChoy@isd.lacounty.gov

cc: Service List R.13-11-005

Attachment A

COUNTY OF LOS ANGELES COMPLIANCE FILING REGARDING REVISIONS TO THE SOUTHERN CALIFORNIA REGIONAL ENERGY NETWORK 2015 ENERGY EFFICIENCY PROGRAM PORTFOLIO CHANGES AND FUNDING REQUEST

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I. Executive Summary

The Southern California Regional Energy Network (SoCalREN) is pleased to submit to the California Public Utilities Commission (CPUC) this Advice Letter to extend the 2013-2014 energy efficiency Transition Period through 2015. SoCalREN is administered by the County of Los Angeles (LAC) and delivers programs, described below, that serve customers over the entire Southern California Edison (SCE) and Southern California Gas (SCG) service territories.

The main program areas and activities of SoCalREN are:

Energy Upgrade California –

- General Marketing, Education, and Outreach
- Single Family retrofits
- Multi-Family retrofits
- Low-income single family retrofits
- Green Building Labeling training for real estate professionals
- Contractor outreach and support

Financing –

- Single family financing loan loss reserve
- Commercial PACE promotion and technical assistance
- Public Agency financing and assistance
 - Public Building Loan Loss Reserve
 - Public Agency Revolving Loan Fund

Public Agency Programs –

- Public Agency energy efficiency upgrade, one-stop assistance
 - Regional Aggregated Procurement
 - Integrated Whole Building Retrofits
- Regional energy data analysis and mapping
- Workforce education and training
- Public agency code compliance and benchmarking support
- Water-Energy Nexus Pilot
- Marketing and outreach

SoCalREN has been approved by CPUC a total budget of \$21,651,000 for 2015 per D.14-10-046 Figure 6. Projected energy savings for 2015 are 24,298,366 kWh, 3,680 kW, and 401,539 therms.

2015 Budget by Subprogram

Subprogram	2015	2013-14 Annualized Budget
A: Energy Upgrade	\$10,577,552	\$10,577,552
B: Financing	\$2,779,250	\$2,779,250
C: SoCalREC	\$8,294,198	\$8,293,363
Total SoCalREN	\$21,651,000	\$21,650,164

Projected 2015 Program Cost Effectiveness and Gross Savings for Goal Attainment by Subprogram

Subprogram	TRC	PAC	kWh	kW	Therms
A: Energy Upgrade	0.64	1.33	9,460,866	2,315	201,335
B: Financing	N/A	N/A	N/A	N/A	N/A
C: SoCalREC	0.85	1.21	14,837,500	1,365	200,204
Total SoCalREN	0.64	1.11	24,298,366	3,680	401,539

Cost Effectiveness Comparison

Subprogram	2015	
	TRC	PAC
A: Energy Upgrade	0.64	1.33
B: Financing	N/A	N/A
C: SoCalREC	0.85	1.21
Total SoCalREN	0.64	1.11

2015 Budget per Utility and Cost Per Unit Energy Savings

Subprogram	Budget (electric)	Budget (gas)	Budget Total	Cost/kWh	Cost/therms
A: Energy Upgrade	\$7,407,927	\$ 3,169,625	\$10,577,552	\$0.78/kWh	\$15.74/therm
B: Financing***	\$ 2,361,875	\$417,375	\$2,779,250	N/A	N/A
C: SoCalREC	\$7,544,198	\$ 750,000	\$8,294,198	\$0.51/kWh	\$3.75/therm
Total SoCalREN	\$17,314,000	\$4,337,000	\$21,651,000	\$0.71/kWh	\$10.80/therm

*Calculation based on Gross Savings by Goal Attainment.

** Funding from utilities assumed to mirror ratio in Final Decision per subprogram.

*** SoCalREN originally included Financing savings targets in 2013-14 PIP. This report describes project loans that have been completed for which no savings have been attributed.

II. Procedural Background of SoCalREN

The Commission in Decision 12-05-015 invited proposals from local governments for pilot programs under which local governments administer energy efficiency programs.¹ The Decision directed in Ordering Paragraph 34:

Any Program Implementation Plan submitted by a local government shall demonstrate the extent to which the proposed regional pilots:

- a. Leverage additional state and federal resources so that energy efficiency programs are offered at lower costs to ratepayers;
- b. Address the water/energy nexus;
- c. Develop and deploy new and existing technologies;
- d. Address workforce training issues;

¹ D.12-05-015, pp. 145-149.

- e. Address hard-to-reach customer segments such as low to moderate income residential households and small to medium sized businesses; and
- f. Include an organizational chart that identifies the local governments that are part of the proposed regional pilot, a narrative description for each of their roles, and plans to coordinate.

In response to D.12-05-015, the County of Los Angeles working with numerous other public agencies and stakeholders in Southern California submitted on July 16, 2012, a Motion for Consideration of the Southern California Regional Energy Network (SoCalREN). This Motion was approved by the Commission in Decision 12-11-015. In approving SoCalREN, the Commission articulated its vision for RENs:

The vision for RENs is that they are *regional*, which, in the context of defining a REN, means that they represent several local government entities and not just one or two. For example, BayREN and SoCalREN represent two of the most populous regions of the state, encompassing multiple city and county governments within their structures. Similar, common-sense identifications of regions could include the Central Valley, the Sierras, the San Joaquin Valley, etc.

The basic idea is that each REN be able to represent a large group of customers with similar characteristics by geography or demography, at a minimum. A proposal by one or two cities or counties would not necessarily constitute a REN. Another consideration is to discourage overlapping RENs where a single community is served by more than one REN....

We also clarify that the RENs should in no way take away from the LGPs [local government partnerships] (in design or budget) that are being implemented as part of the utilities' portfolios. The RENs are intended to be additional to and not instead of LGPs.²

The Commission also outlined its evaluation criteria for REN proposals. These include:

1. Activities that utilities cannot or do not intend to undertake.
2. Pilot activities where there is no current utility program offering, and where there is potential for scalability to a broader geographic reach, if successful.
3. Pilot activities in hard to reach markets, whether or not there is a current utility program that may overlap.³

² Decision 12-11-05, pp. 12-13.

³ *Ibid*, p. 17.

Subsequent to the issuance of D.12-11-015, SoCalREN submitted an Advice Letter, which included the program implementation plan for 2013-14.

The description of the SoCalREN programs and sub-programs (below) for 2015 supports the objectives defined by the Commission when the RENs were created. The SoCalREN programs continue to test different approaches to program design and implementation (EUC), fill gaps in IOU programs (Financing and SoCalREC), and address hard-to-reach market needs (single family and multi-family, low income, and public agencies lacking energy resource skills).

In addition, the SoCalREN 2015 budget proposals address new activities that support Proposition 39 (SoCalREC work with school districts), IOU constrained areas (EUC, Financing and SoCalREC) and other market opportunities (single family residential Property Assessed Clean Energy Financing momentum and the significant initial uptake in SoCalREC activities).

III. Policy

A. Guaranteeing a Smooth Transition to 2015

The Commission has stated its intention to move quickly and seamlessly to add 2015 to the current Transition Period.⁴ SoCalREN, in partnership with the BayREN, offers below suggestions to facilitate a smooth transition between 2014 and 2015. These include contracting between RENs and the investor-owned utilities (IOUs) and evaluation of REN programs.

1. Contracting Issues

In order to eliminate unnecessary delays in the 2013-2015 programs, the following recommendations are suggested instructions for the IOUs from the CPUC for 2015 programs:

- Upon approval of RENs Scopes of Work (SOWs) for 2015, CPUC Decision should order that IOU/REN agreements for 2013-14 should be deemed appropriate for reimbursing RENs for 2015 SOWs in the event of lengthy delays in amending existing agreements or creating new ones.
- IOUs should be ordered to execute revised 2013-2014 REN agreements to include 2015 scope of work and budget by a prescribed date (e.g., before January 1, 2015). Per D.14-10-046 ordering paragraphs 27 and 28, IOUs will execute amendments to their contracts with Los Angeles County on behalf of SoCalREN no later than December 12, 2014.

⁴ *January 22, 2014, Assigned Commissioner's Ruling and Scoping Memorandum, p.2.*

- RENs Scope of Work (SOW) Proposals for 2015 which are approved by the CPUC should be recognized as approved SOW under IOU/REN 2013-14 agreement until a revised agreement is executed to include 2015.
- Upon approval of RENs SOWs for 2015, all activities in 2013-14 agreements calling for “ramping down” programs should be considered not applicable, if appropriate. New program “ramp down” activities will be included in the revised IOU/REN agreements. However the “ramp down” activities must be for fiscal purposes only. In order to meet the goals of “rolling cycles” there should be no program interruption between 2013-14 and 2015.
- The RENs should be treated the same as the IOUs with regards to the rolling budget, so that the average monthly level of expenditures for the final year of a budget cycle may continue on a month-to-month basis until the next portfolio budget is approved (or as specific in the Commission Decision for the next portfolio budget cycle)⁵.

Should REN proposals be submitted and approved for 2016 and beyond, the same recommendations are suggested for transitioning from 2013-15 to 2016.⁶

IV. Savings Forecast and Cost Effectiveness

A. Home Upgrade Program

Savings Forecast and Cost Effectiveness

Program Year	kWh	kW	Therms	TRC
2015 Forecast	397,227	646	47,777	.24
*See below for an explanation of the reduced TRCs compared to the original REN filing for 2013-14.				
** Energy savings forecast based on gross savings for goal attainment				

1. Key Assumptions for savings values – Deemed

SoCalREN has updated energy savings forecasts based on actuals through December, 2013, and other relevant program changes since E3 calculators were submitted as part of the compliance filing in January of 2013. These changes have resulted in a dramatically lower TRC

⁵ D.09-09-047, Ordering Paragraph 45, page 389, on “rolling budget trigger”.

⁶ See D.09-09-047 Ordering Paragraph 45, i.e. the “rolling budget trigger” which states: “A rolling budget trigger is approved, so that the average monthly level of energy efficiency expenditures of Pacific Gas and Electric Company, Southern California Edison Company, San Diego Gas & Electric Company, and Southern California Gas Company for the final year of a budget cycle may continue on a month-to-month basis until the next energy efficiency portfolio budget is approved (or as specified in the Commission decision for the next energy efficiency portfolio budget cycle).”

for Home Upgrade. Essentially, project cost increased while, at the same time, energy savings per project decreased based on approved work papers.

Currently, the participant cost (after rebate) is more than 2.5 times higher than what it was in January 2013. This would not normally be a problem so long as there is a proportionate increase in energy savings (or benefits) per project. Unfortunately, that is not the case. The first 15 Home Upgrade projects received by the REN are much larger and more comprehensive than what was proposed, and therefore have a higher participant cost, but the energy savings per project have been reduced dramatically as shown below.

- The electric savings are about 2.3 times less than what they were in January 2013:
2013 filing: average 1,090 kWh per project
2014 filing: average 473 kWh per project

This is a direct result of SoCalREN's workpapers not being approved, and the REN being forced to accept the IOU workpapers. Gas savings are impacted in much the same way between the 2013 filing and this filing. The REN is continuing to work with the Energy Division Ex-ante team to develop workpapers that are based on a DEER prototype building by vintage and climate zone, with updated square footage based on RASS data. These workpapers will also offer the option of setting a minimum or maximum performance threshold on baseline equipment as a qualifying condition. This should yield higher measure and project savings. The REN hopes to resubmit and have workpapers approved in the first quarter of 2015.

SoCalREN is optimistic that these savings values can be achieved in 2013-14, 2015 and 2013-15 for these reasons:

- Recent HUP program design changes that were approved by the Energy Division and implemented in SoCalREN territory (Los Angeles County) in February of 2014.
- Anticipated adoption of additional HUP program design changes that SoCalREN is discussing with Energy Division for approval and quick implementation.
- Anticipated roll-out of residential PACE programs throughout SoCalREN territory, including Los Angeles County. As described further below, 38 cities in Los Angeles County will participate in Renovate America's HERO Residential PACE program around May of 2014. Los Angeles County is also moving to initiate its Residential PACE program which would cover nearly all single family residences in the County (nearly 3 million).
- SoCalREN is working with Renovate America to collect data about their projects and processes and develop a streamlined HUP and AHUP incentive process

within their HERO PACE program in anticipation of contractors easily upselling PACE projects to include HUP or AHUP.

B. Multifamily Program

Savings Forecast and Cost Effectiveness

Program Year	kWh	kW	Therms	TRC
2015 Forecast	9,063,638	1,670	153,558	0.89

** Energy savings forecast based on gross savings for goal attainment

1. Key Assumptions for savings values – Custom

The Multifamily Program energy savings assumptions for 2014 and 2015 are based on the projects that are currently in the pipeline. Those projects have been modeled in EnergyPro based on the actual building conditions and work scope of the projects. The REN continues to work with the Energy Division Ex-ante team to establish approved workpapers for the Multifamily Program.

2. Results

As of December 31, 2013, the Multifamily Program pipeline included: 2,062 units/15 buildings in “project application received” status; and 100 units/1 project in “completed technical assistance” status.

C. Public Agency Project Delivery (SoCalREC)

Savings Forecast and Cost Effectiveness

Program Year	kWh	kW	Therms	TRC
2015 Forecast	14,837,500	1,365	200,204	0.95

** Energy savings forecast based on gross savings for goal attainment

1. Key Assumptions for savings values – Deemed & Custom

SoCalREN has updated E3 assumptions for 2015 which reflect updates requested by CPUC per the 2015 Final Decision.

V. Programs

A. Subprogram A: Energy Upgrade California

1. Task A2- Local Marketing and Outreach

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$163,607	\$0	\$779,057	\$ 693,707	\$1,636,372

Background

Community Champions is a community based social marketing outreach strategy implemented by SoCalREN that includes both targeted outreach and broad awareness-building of Energy Upgrade California, and SoCalREN and IOU program offerings. The approach involves partnering with existing community-based organizations in targeted communities to leverage existing, trusted communication channels to help overcome barriers to participation, and is supported by broader online and social media marketing. This program is intended to go into a community and assess the level of interest, commitment, and resources that may be utilized to deliver the EUC message for Home Upgrade and Advanced Home Upgrade, Cool Comfort Financing, and Home Upgrade Financing. The REN team then works with City representatives to recruit community based organizations to host homeowner workshops to educate homeowners about the benefits of a home energy retrofit.

The Community Home Energy Retrofit Project (CHERP) is a program that is being sponsored by SoCalREN in the cities of Monrovia and Huntington Beach, and generally offers a higher level of engagement than Community Champions. CHERP is a community outreach strategy that engages city staff and local volunteers to reach out to homeowners. The purpose of the pilot is to determine if CHERP, which originated in the City of Claremont, can be replicated in other cities. CHERP volunteer staff, which may include the Mayor, City Council, City Manager, City Staff, and City Organizations, is introduced to the benefits of home energy retrofits in order to gain support and participation for the program. Local volunteers are recruited to create a CHERP core group led by a volunteer Launch Director, and the core group is provided education and training in order to promote the program. The Launch Director and core group work together to initialize and plan outreach opportunities like homeowner workshops and promote them through phone calls, emails, newsletters, and other available communication channels.

2. Task A3- Contractor Outreach and Training

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$76,337	\$0	\$299,288	\$131,500	\$507,125

Background

HVAC – SoCalREN has an urgent need to recruit and train specialty contractors in 2015, particularly HVAC contractors. In a recent contractor survey, HVAC contractors have indicated

that they are interested in receiving envelope air sealing training in order to expand their project scopes. The EUC participating contractor base has declined since 2012, and virtually all specialty contractors became inactive after the close of the Flex Path program. In addition to streamlining and simplifying both the Home Upgrade and Advanced Home Upgrade programs, a high-priority effort must be made to restore the contractor base with active, quality contractors. The REN also plans to maintain its own list of participating contractors in the REN territory in order to increase contractor engagement and assistance, and properly manage contractor expectations.

3. Task A4- Home Upgrade Incentives

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$239,723	\$1,534,829	\$464,916	\$67,686	\$2,307,154

Background

SoCalREN implemented the statewide HUP program in late-September of 2013 despite grave concerns regarding the likelihood that homeowners and contractors would choose not to participate in the program. Even with the introduction of a higher point value structure, HUP has failed to engage contractors, and there is little hope that this will change absent a complete program design overhaul. SoCalREN proposes the same simple approach that made Flex Path an overwhelming success. The REN’s approach is to drive the program design toward simplicity, not complexity. Homeowners prefer a simple program that is easy to understand; not one where the perceived hassle factor is greater than the perceived benefits. Contractors don’t like complex programs. If they can’t make a profit leveraging the program in their business model they will not offer it to their customers, and many will sell around the program.

SoCalREN has been in discussions with Renovate America regarding the HERO residential PACE program since the third quarter of 2013. HERO has operated in Riverside and San Bernardino Counties since 2012. In less than two years, HERO has approved over 12,000 PACE projects with nearly 9,000 including energy efficiency measures. HERO was authorized to expand throughout the State and has enrolled 38 cities in Los Angeles County who will be eligible for HERO in mid-2014. In addition, Los Angeles County is now initiating the rollout of its Residential PACE program which already has 80 cities (including Los Angeles) enrolled. If and when the County initiates its Residential PACE program millions of homes will become

eligible for PACE. Los Angeles County is five times larger by population than Riverside County.

Given HERO's track record of success in generating energy related home upgrades, the REN is convinced that residential PACE financing will play a key role in driving greater project numbers in HUP and AHUP. HERO has closed thousands of residential PACE loans for projects that have not been submitted to the IOUs for incentives. The REN plans to integrate HUP in LA County with a residential PACE offering to create a simple solution for homeowners that want the benefits of HUP incentives and PACE financing. .

SoCalREN took the lead in negotiating significant changes to HUP that were intended to respond to contractor concerns and make the program more attractive to homeowners. These changes were documented in a Program Implementation (PIP) addendum dated February 14, 2014, and include:

- Increasing the incentive cap from \$2,500 to \$3,000.
- Providing a \$150 CAS/CAZ testing incentive for contractors.
- Implementing a flexible incentive structure (\$10 per point).
- Eliminating the extra shell measure requirement for HVAC projects.

With the budget approved in the final decision, SoCalREN proposes to complete 1,791 projects in 2013-2015 with an average incentive amount of \$2,350 plus the \$150 combustion safety testing incentive for contractors. This is less than the original number of projects forecasted for 2013 and 2014; however, all indications are that projects will be more comprehensive than originally anticipated, thus the higher average incentive amount, and the program did not roll out until the end of September, 2013. Given that the Flex Path program completed nearly 1,800 projects in only nine months, the REN is confident it can achieve the goal of 1,791 projects. To achieve success, Energy Division must be willing to endorse additional changes to the Home Upgrade program design that will further enhance the participation experience.

While the recent changes were generally well received by contractors, there is more that can be done to increase contractor and homeowner participation. Energy Division has made some excellent suggestions for change in both AHUP and HUP, and SoCalREN will respond to

each in turn with a focus on HUP. Recommended changes to both the EUC AHUP and HUP that staff supports include:

- **Broaden eligible equipment beyond space heating/cooling and water heating to include more cost effective approaches to reduce energy and target additional sources of energy consumption;**
 - SoCalREN supports expansion of the eligible measure list and is currently working with the Energy Division Ex-ante Team to establish a much simpler methodology for developing workpapers than what the IOUs have adopted. This will make it much faster to add new measures.
 - SoCalREN prefers to use a pre-established, fixed baseline for each measure that generally results in greater energy savings than averages based on RASS data and vintage tables alone. This method was used successfully on the Flex Path program where new equipment efficiency requirements were above code for all measures.
 - In its initial PIP, the REN proposed a number of innovative measures, including; Right Sizing HVAC Bonus; Buried HVAC Ducts Bonus; Single-speed and Two-speed Pool Pumps; and ENERGY STAR Recessed Lighting Fixtures. Workpapers for these measures were not approved.

- **Directing the program implementers to include in their PIPs a plan on how they can better target older homes;**
 - SoCalREN uses GIS mapping to target cities for community based education and outreach such as Community Champions and CHERP. This includes homeowner demographics, age of housing stock, number of participating contractors, and other characteristics.
 - Targeting communities with older housing stock, particularly in inland climate zones, can easily be accommodated by SoCalREN, and the Community Champions program offered by the REN can deliver the message to homeowners.
 - SoCalREN would be open to giving contractors a kicker for targeting older homes, but what contractors really need are good leads. A simple, streamlined program design would dramatically increase uptake in HUP.

- **Staff recommends setting a date for program implementers to include additional measures in their HUP and AHUP programs and a requirement to provide a roadmap for accomplishing this expansion of measures.**
 - SoCalREN would be happy to work with the statewide team to identify additional measures that could be offered by both programs. The REN had originally proposed more measures than the IOUs, including; Buried Ducts and HVAC Right Sizing measures. Unfortunately, the REN workpapers were not approved.
 - This recommendation will require the cooperation of the Energy Division Ex-ante team in the development of workpapers that result in reasonable energy savings. SoCalREN continues to work with the Ex-ante team to develop a simple approach to developing workpapers that would reduce the time to market for new measures.

- **Giving program implementers direction to seek out contractor (and other stakeholder) input on how to reduce the administrative burden on customers and contractors and report back with a plan to further streamline the programs;**
 - SoCalREN frequently surveys contractors to determine what their pain points are and how they suggest the program can be improved. This contractor input was used to develop the recent program design changes referenced above.
 - The REN solicits input from key industry experts such as Bob Wiseman, Chairman of Government Affairs and past President of the Institute of Heating and Air Conditioning Industries (IHACI), and Bob Helbing, current President of IHACI, to determine how to streamline the program for HVAC contractors.
 - The REN would be happy to work with the statewide team to develop a plan to further streamline the programs. It is important to seek input from all contractors, not just industry organizations and trade groups that promote only one program model and do not speak for all contractors.

- **Increasing outreach and engagement with contractors to encourage greater participation in the program (including getting more funds to contractors to help mitigate costs of participation in the programs).**
 - Seventy-five percent of the contractor base in SCE and SCG territory has been lost in the past 18 months. Many inactive contractors contacted by SoCalREN account managers say they will never return to the program(s).
 - There are currently 68 EUC participating contractors in SCE and SCG territory with 19 contractors in conditional status. While this is an encouraging trend, it is still not nearly enough contractors to move HUP and AHUP to scale in the near term.
 - SoCalREN proposed and gained the endorsement of Energy Division for a \$150 CAS/CAZ testing incentive for contractors to help reduce program participation costs.
 - SoCalREN must consider the option of recruiting, training, and mentoring new contractors and keeping its own list of participating contractors in order to have any chance of success with HUP.

Changes

- **Changes specific to EUC HUP that staff supports include:**
 - Allowing the RENs and encouraging the IOUs to increase the cap on EUC HUP rebates from \$2,500 to \$3,000.
 - This change was championed by SoCalREN and implemented on February 17, 2014 (within one week of Energy Division endorsement)
 - Relaxing past ED informal direction that required an additional shell measure for HVAC jobs as a way to make the program more attractive to specialty contractors (the additional shell measure would be recommended but optional).
 - This change was championed by SoCalREN and implemented on February 17, 2014 (within one week of Energy Division endorsement).

SoCalREN thanks Energy Division for supporting the removal of the 1 of 3 Base Measure requirement for HUP, but keeping the three measure minimum requirement. This allows the program to more closely resemble with the highly successful Flex

Path program. HVAC duct sealing and insulation or duct replacement will continue to be a requirement when HVAC equipment is replaced. The REN is confident that at least one Base Measure will be installed on all projects and, with Base Measure bonus points, it is likely that two or more Base Measures will be installed. It is best to not require things that will likely happen anyway. It just makes the program simpler for homeowners to understand and easier for contractors to sell. All quality and safety measures would be kept in place.

SoCalREN is already active in constrained areas with its Community Champions program and CHERP (highlighted under General M&O above). It is critically important to educate all customer classes regarding the loss of the San Onofre Nuclear Generating Station and other once-through generating stations in Orange County, and provide options for utility customers to participate in reducing electric load.

- **Current Approach in Constrained Areas:**

- LA County:

- Received support via San Gabriel Valley Council of Governments to initiate outreach in Hacienda Heights, San Dimas, South Pasadena and Pomona.] Initially, the REN will implement the Community Champions outreach model to these communities.
 - Implementing the Community Champions outreach model in the City of Whittier (Gateway Council of Governments).
 - The REN is currently sponsoring the CHERP outreach model in the City of Monrovia.

- Orange County:

- Initiated outreach in Fullerton and Orange through the SoCalREN Advisory Committee using the Community Champions model.
 - Targeting Mission Viejo through ongoing discussions with the Sierra Club of Orange County.
 - Made initial contact with the Orange County Council of Governments.
 - The REN is currently sponsoring the CHERP outreach model in the City of Huntington Beach.

- Ventura County:

- Targeting the Cities of Thousand Oaks and Moorpark with the Community Champions outreach model and through the SoCalREN Advisory Committee.

Incentives – Approximately \$1,331,409 in 2013-2014 incentive funds are expected to carry over into 2015.

4. Task A5- Green Building Labeling

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$159,548	\$0	\$500,238	\$345,214	\$1,005,000

Background

For the 2013-2015 program cycle, SoCalREN will train 600 real estate professionals and 112 appraisers. Real estate training will prepare trainees to qualify for the Certified Green Real Estate Professional certificate and/or the National Association of Realtors Green Designation. Appraisal training will consist of the Appraisal Institute’s “Introduction to Green Buildings: Principles & Concepts” and “Case Studies in Appraising Green Residential Buildings.” SoCalREN will supplement the in-depth training with quarterly webinars and other events to provide continuing education, networking, and other professional development opportunities. This revised scope of work represents an increase of 237 trainees, or about 50%, over the original 2013-2014 work plan and budget.

5. Task A6- Multifamily Retrofit

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$497,171	\$2,583,210	\$961,958	\$729,561	\$4,771,901

Background

SoCalREN will continue to market the multifamily incentive program through a combination of tactics that includes a program website, mass emails, direct mail, webinars, local government outreach, nonprofit partner outreach, trade ally outreach, and direct outreach to prospective property owners. The REN will also provide a marketing toolkit and other support to assist Participating Raters and trade allies in marketing the program to their constituents. Marketing efforts will support achievement of the program goal. With higher than originally anticipated incentives, the goal for the three-year program cycle is 9,819 housing units.

For the 2013-2015 program cycle, SoCalREN will deliver three California Multifamily Existing Building (CAMFEB) Training events to prepare professionals for the Building Performance Institute Multifamily Building Analyst and GreenPoint Rated Multifamily Existing Home Rater certification exams as well as HERS II multifamily requirements. The REN will supplement the in-depth training with quarterly webinars to introduce prospective participants to the program and support continuing education. SoCalREN’s goal is to enroll and train 50 Participating Raters.

Incentives - Approximately \$578,640 in 2013-2014 incentive funds are expected to carry over into 2015.

6. Task A7- Low Income- Single Family

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$12,751	\$0	\$ 337,249	\$0	\$350,000

Background

The Low-income Single Family Rehabilitation Program is a pilot designed to develop and implement a business process that allows for connecting Community Development Commission of the County of Los Angeles (CDC) program clients to Energy Upgrade California (EUC) through outreach and coordination of the respective programs' requirements.

The CDC Home Improvement Program (HIP) assists low income, owner-occupied single family homes with rehabilitation financing of up to \$15,000. The Low-income program emphasizes education to these clients about EUC measures that they are eligible for and how they may integrate those measures into the rehabilitation work. Program administrators encourage contractors qualified to participate in CDC programs to go through EUC contractor training to become eligible Participating Contractors and coordinate the requirements for contractor participation in both programs.

For the 2013-2014 cycle and the 2015 extension year, the Low Income Program has the following goals:

1. Outreach to 400 eligible homeowners a year and target the completion of 10 Advanced Home Upgrade and 70 Home Upgrade projects per calendar year from any combination of CDC programs.
2. Outreach to 15 general contractors and target 2 to complete the BPI certification and EUC training per calendar year.
3. Complete a Mortgage Credit Certificate for Energy Efficiency (MCCEE) study by the end of the program cycle.

B. Subprogram B: Financing

1. Task B2- EUC Residential LLR

Program Year	Admin	Loan Loss Reserve	DI	M&O	Total
2015 Total	\$95,102	\$1,276,976	\$325,595	\$39,828	\$1,737,500

Background

Approximately \$1.179 million of the loan loss reserve funding is expected to carry over into 2015, so no additional loan loss reserve funding will be required. SoCalREN projects are expected to spend the remaining LLR funding through the end of 2015. The REN requests additional labor only to continue administering the program.

For the 2015 year, SoCalREN will increase the number of new energy efficiency loans by continuing to offer low interest loans through this Loan Loss Reserve program to residential homeowners participating in Home Upgrade or Advanced Home Upgrade programs. It is imperative that Energy Division continue to encourage and endorse changes to HUP and AHUP that further streamline the programs. The success of the Residential LLR program depends on a higher volume of projects being completed with the REN and IOU programs, as these programs are designed to complement each other. SoCalREN will continue to market residential LLR as part of the Community Champions program to increase awareness of REN financing options throughout its territory and especially in constrained areas.

2. Task B3- EUC Multifamily LLR- Not Funded

3. Task B4- Non-Residential PACE

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$278,544	\$0	\$0	\$ 427,207	\$705,750

Background

SoCalREN will continue to market and administer the non-residential PACE program through a combination of tactics that include the lapace.org website, webinars, outreach to contractors and trade unions, and project development and technical assistance to property owners. The REN will also work with utility program managers and account managers to maximize incentives applied to non-residential PACE finance projects.

Changes

For the 2015 year, SoCalREN proposes to focus on project developer support as a tactic to address the barrier of property owners navigating the non-residential PACE transaction process. With increased support of project developers and a project team, property owners can be better educated on the many eligible energy and water conservation improvements that may be financed, the benefits of PACE financing, and the process of submitting a final application. The project pipeline going into 2015 includes 36 projects with an estimated funding amount of more than \$56 million. The goals for the 2015 program are detailed below.

PACE Project Goals for 2015

Time Period	Estimated Number of Final PACE Applications	Estimated PACE Funding Amount	Estimated Annual kWh Savings	Estimated 5-year kWh Savings	Estimated kW Demand
Q1 2015	6	\$6,000,000	13,320,000	66,600,000	
Q2 2015	6	\$6,000,000	13,320,000	66,600,000	
Q3 2015	6	\$6,000,000	13,320,000	66,600,000	
Q4 2015	6	\$6,000,000	13,320,000	66,600,000	
TOTAL	24	\$24,000,000	53,280,000	266,400,000	8MW

The REN will act as a clearing house to guide projects through design, development, and construction, and provide financing options that best suit the building owner's needs.

The SoCalREN service territory includes constrained areas identified in SCE's recent Local Capacity Requirements Request for Offers: West Los Angeles Basin, Moorpark and surrounding communities in Ventura County, and north/south Orange County. Commercial PACE project identification activities will take place in these jurisdictions. Under the Commercial PACE sub-program model, SoCalREN resources work with both building owners, project developers and financial institutions to align all commercial project stakeholders within the PACE process. These relationships have yielded leads and connections with projects outside

of Los Angeles County. Where PACE financing is not available, SoCalREN can connect project developers with the pool of financing institutions for which we have developed relationships.

4. Task B1- Public Building LLR

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$17,518	\$0	\$0	\$82,482	\$100,000

5. Task B5- Public Agency RLF

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$86,829	\$0	\$0	\$149,171	\$236,000

Background

The 2013-2014 PIP scope of work consists of marketing of public agency financing options such as the Energy Project Lease Financing program, On-Bill Financing (OBF) and the California Energy Commission’s Low Interest Loan Program as well as providing technical and administrative support to agencies in reviewing and evaluating finance options and submitting financing applications.

During the 2013-2014 implementation period, we have confirmed that public agencies have a significant need for financing technical assistance in order to identify and analyze the mix of available funding sources that are most suited to their needs as well as for assistance in the evaluation and completion of applications for financing, particularly for OBF and Lease Financing, including the task of supporting agencies in their utility incentive submissions which is a requirement for OBF eligibility and an action that also improves the cost-benefit profile for projects.

The 2015 program will leverage the work performed in 2013-14 to carry out the following activities:

- Provide financing assistance services to all public agencies within the SoCalREN service territory for their eligible energy projects.
- Manage brokers and program lenders to ensure compliance with Program requirements and to communicate any changes to the program.
- Acquire additional pre-approved lenders for the lender pool.
- Maintain and update the financing calculator and Financing Plan template.
- Analyze energy audit reports and present agencies with a Financing Plan recommending the optimal mix of eligible financing instruments for their project.

- Assist agencies with Energy Project Lease Financing (ELF) applications and SCG and SCE incentive and OBF applications.
- Assist agencies in obtaining internal stakeholder support and adoption of enabling resolutions and other authorizations by their council or board.
- Maintain and update website and program collateral. Create case studies of successfully completed projects.
- Create tools and educational materials to overcome barriers and typical misconceptions by public agencies and provide best practices solutions for financing.
- Attend outreach events, give presentations as needed and convene meetings with key stakeholders.

A. Subprogram C: SoCalREC

1. Task C1- Aggregated Procurement

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$204,654	\$0	\$3,101,352	\$49,765	\$3,355,771

2. Task C2- Integrated Comprehensive Whole Building Retrofits

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$206,146	\$0	\$3,080,583	\$41,872	\$3,328,601

Background

Subprogram C: The Southern California Regional Energy Center (SoCalREC) will continue to partner with a large pool of public agencies (cities, counties, water and wastewater districts, schools, State and federal agencies, and other special districts) to support the CPUC’s and CEC’s call to transform the markets to achieve deep and sustained energy savings through whole building retrofits. Aiming to go beyond achieving the short term goals of kWh and therm savings and kW reductions, the program seeks to overcome the market’s entrenched barriers to more comprehensive retrofits to deliver long-term and lasting impacts.

In addition to achieving the savings goals of 14,837,500 kWh, 1,365 kW, and 200,204 therms in 2015, the SoCalREC program is designed to address key market barriers to aggregated procurement and whole building retrofits: (a) Agencies’ lack of staff resources and in-house expertise in energy management; (b) lack of information and unfamiliarity with energy efficiency; (c) high first-cost; (d) lack of funding; (e) lack of easy access to pre-qualified engineering firms; (f) lack of easy access to pre-qualified and competitively bid construction services.

Since the SoCalREC program was launched operationally toward the end of third quarter 2013, it has been demonstrated that the SoCalREC model is extremely capable of realizing the program's fundamental goal of transforming the approach to EE projects by public agencies and has delivered energy services that resulted in nearly 100% of the public agencies approached enrolling in the program. Market transformation program designs typically require higher investment efforts initially to overcome market barriers. Once the market infrastructures are altered to overcome barriers, the resulting savings will continue to grow and program efforts can be reduced or redirected to new opportunities. It is important to acknowledge that implementing, monitoring and evaluating a market transformation program on a purely resource acquisition basis would undermine the program's strategic intents. If the program's success is evaluated solely on its delivered energy savings and measured TRC, then this would drive the program toward a short-term focus on the low-hanging savings that eventually lead to "cream-skimming" and are contrary to the goals of broad, deep and long-term savings.

Tasks C1 and C2 Aggregated Procurement and Integrated Whole Building Retrofits (collectively referred to as Project Delivery or PD) focuses on technical and project management services related to comprehensive mechanical, lighting, street lighting, water/wastewater pumping and process optimization projects by eligible public agencies. The PD activities both complement and supplement those services that are available from SCE and SCG. The SoCalREC's services include energy assessments, project management and turnkey assistance provided by pre-qualified consulting and construction service teams. These services are offered as either a bundled, one-stop option or as "a la carte" services customized to each agency's needs. The service options include energy audits, performance design specifications, project management and construction management support and development of an energy services plan. The additional services of Comparative Energy Analysis, building retro-commissioning, measurement and verification and agency stakeholder management assistance are provided for selected projects as part of the turnkey project delivery services. SoCalREC coordinates and collaborates closely with SCE and SCG to track and report delivered savings from projects.

In 2015, the program will work with additional public schools to assist in the identification and implementation of eligible Proposition 39-funded energy projects. Per the CEC's Proposition 39 Program Implementation Guidelines, SoCalREC partners with

organizations that provide youth-based and community-based training programs for expanding energy efficiency retrofits and green jobs. SoCalREC's pool of pre-qualified engineering consultant and construction service providers includes firms with knowledge in Prop-39 requirements for project delivery processes and experience in serving the local education agencies and community colleges. These activities help SoCalREC to leverage additional state, federal and local resources so that long-term energy savings can be delivered at the lowest possible cost to ratepayers.

The SoCalREC program area includes constrained areas identified in SCE's recent Local Capacity Requirements Request for Offers: West Los Angeles Basin, Moorpark and surrounding communities in Ventura County, and north/south Orange County. In 2015, enhanced SoCalREC project identification activities will take place on behalf of the numerous public agencies that are within these geographic areas. The SoCalREC has already enrolled a number of public agencies that are located within the areas defined by SCE as "constrained", and the full integrated demand side management (IDSM) potential from these agencies could significantly add to SCE's portfolio of preferred resources. The SoCalREC program provides a unique and powerful vehicle to leverage strong relationships with a broad spectrum of public agencies and enlist them in effective actions within their buildings and facilities that can result in significant IDSM outcomes.

Recognizing the benefits of ongoing communication and coordination between all involved parties, SoCalREC continues to utilize an effective communications protocol to ensure clarity of program goals, roles, and responsibilities that maximizes program synergies and mitigates potential stakeholder confusion. This includes ongoing coordination with IOUs through regular technical and Local Government Partnership coordination meetings, feedback sessions, workshops with the established SoCalREN Advisory Committee, and coordination with the CPUC and various external stakeholders.

The SoCalREC, through Los Angeles County, has been offering the use of its Enterprise Energy Management Information System (EEMIS) to other local governments for use on their utility accounts and facilities within their municipal operations. EEMIS is an energy data management software and hardware system which provides acquisition, storage, reporting and analyses of data using the following information:

- Utility bill data
- Utility meter data
- Local government building/facility characteristics
- Local government building/facility sub-metered data
- Local government building automation system data
- Weather data

The County purchased EEMIS ten years ago and uses EEMIS to manage data within its thousands of utility accounts and utility meters to do:

- Financial and budget reporting and analyses
- Corporate, departmental and individual building energy management reporting and analyses
- Energy Star reporting for County buildings
- Building operations analyses related to energy management
- Building energy base-lining and benchmarking
- Energy project savings verification and tracking

The County negotiated a modification to its EEMIS license to allow other jurisdictions to enroll onto EEMIS and pay an incremental portion of its annual software license fees. The County does not charge jurisdictions to recover its capital investment in EEMIS. Thus, jurisdictions have access to a sophisticated energy management tool that they likely could not afford on their own. Simultaneously, the County's EEMIS license costs are reduced and the software vendor has access to additional customers and greater long-term revenue potential. This represents a true "win-win-win" situation.

Beginning in 2012 using SCE Flight 5.6 Strategic Innovation grant funding and continuing through SoCalREN's 2013-14 funding, the County has enrolled and trained cities and counties on EEMIS. To date, over 70 jurisdictions throughout SoCalREN territory are on the EEMIS system.

Under 2015 funding, SoCalREN will continue to enroll and train jurisdictions' energy staff. SoCalREN will also provide custom training for individual jurisdictions' unique needs and will also develop custom energy management/operations reports (virtual – not hard copy) that will automatically be provided to jurisdictions' energy staff. SoCalREN will also develop a portal (Dashboard) for EEMIS that provides an easy to understand, high level overview of each jurisdictions' information stored in EEMIS. SoCalREN will work with the EEMIS software

developer to determine a business model for providing the Dashboard to jurisdictions on a fee basis rather than providing it for free.

Changes

In 2015, and building on the growing interest and awareness by public agencies in the Southern California region for the high value services that are being provided, the SoCalREC will evaluate and possibly offer services to State and federal buildings and facilities.

3. Task C4- Water Energy Nexus

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$15,233	\$0	\$235,949	\$2,711	\$253,893

Background

During the design phase of the SoCalREC Water-Energy Nexus Pilot Project, the drought conditions in California became more severe, leading ultimately to a declaration of a Drought Emergency by Governor Brown on January 17, 2014. In addition, with the shuttering of the San Onofre Nuclear Generating Station in the summer of 2013, Governor Brown called upon water agencies to reduce energy consumption and peak energy demand, given the sector’s large draw on the state’s available power supplies. Owing to the importance of the water-energy nexus in the state, the CPUC formally initiated a rulemaking proceeding to promote a partnership framework between energy and water utilities for water-energy nexus programs throughout California. Despite this rapidly changing policy, regulatory, and physical landscape, during 2013 and 2014, SoCalREC will have completed program development and initiated implementation of a comprehensive water-energy program focused on:

- Evaluating embedded energy savings potential from water agency water conservation program efforts
- Implementation of combined water and energy efficiency audits for 10 public agency facilities
- Individual-level targeted marketing research designed to increase utility customer participation in water and energy rebate programs

In 2015, the Pilot Project will continue into a logical next phase of activities with continued implementation of the prior program elements, while integrating cold water energy saving programs focused on public and municipal water agencies that will be coordinated with other successful statewide water and energy programs. By collaborating with the Metropolitan Water District of Southern California, the largest wholesale water agency in the nation,

SoCalREC will provide technical and marketing services to advance programs related to the water-energy nexus. Contacts and dialogue will be facilitated among and between water and energy managers in local and regional agencies to ensure comprehensive resource management and collaboration with any IOU programs. SoCalREC will also provide technical and outreach support for Metropolitan Water District’s low-income Direct Install program in collaboration with any relevant IOU programs, and provide comprehensive water-energy combined audits of several additional public agency facilities.

Finally, the 2015 Water-Energy Nexus Pilot Project will assist public and municipal water agencies with water conservation projects at their water treatment plants by evaluating the reduction in use of potable or treated “plant water” in the treatment processes. In addition, the Water-Energy Nexus Pilot will leverage technological innovations through a partnership with a highly qualified engineering firm to conduct an innovative hydraulic modeling of water systems to identify potential system leaks and inefficiencies and quantify leak loss amounts and potential water and energy savings potential.

4. Task C3- Regional Climate Action and Energy Plan

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$9,339	\$0	\$385,031	\$750	\$395,120

Background

In 2015, the program will leverage the work performed in 2013-14 and use existing tools, further incorporate cutting edge research, and enhance the informed design to create the foundation for results that align with AB758 and Climate Adaptation efforts in 2016 and beyond. That work is listed below. Activities include:

- Region-wide GHG inventories covering Los Angeles County segmented by city, zip code, and residential and non-residential energy consumption.
- Analyses conducted by UCLA comparing anonymized, individual utility account consumption data against a myriad of publicly available building and parcel information that can be matched to the utility accounts. The outputs of this research will be aggregated to comply with 15/15 policy privacy criteria but will still provide unprecedented levels of consumption analyses by groups of users.

- A Climate Impact study conducted by UCLA which used decades of historical weather and GIS data that predicts climatological changes throughout the Southern CA region over the next 30 years to the neighborhood scale of detail (1.2 km). The climate changes include: average temperature increase, maximum temperature increase, changes in wind/precipitation/sea level rise/drought occurrences/storm occurrences, and a variety of other conditions.
- Analysis and study of tools developed by other jurisdictions, research institutions, government energy centers, and others that provide infrastructure for storing and analyzing data that support the study and development of energy ordinances and reach codes.

The SoCalREN is poised to leverage this past work and develop standardized IT and GIS infrastructures that can utilize available tools and energy data and provide city-specific information to jurisdictions about energy consumption. This effort will be conducted with the goal of developing regional (County wide) systems that all jurisdictions can access. These efforts will be coordinated by and through the LARC.

5. Task C5- Regional Energy Project Tracking and Permitting System (CEEPMS)

This program will provide coordination of 2013-14 CEEPMS and Los Angeles Regional Collaborative for Climate Action (LARC) efforts (see Task C3) to design and develop tools to support region-wide energy policy analysis and implementation.

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$8,324	\$0	\$126,538	\$3,873	\$138,735

Background

In 2015, the Community Energy Efficiency Project Management System online permitting system will be termed “OnRamp”. The goals and program features of OnRamp in 2015 are the same. The 2013-14 work to be leveraged is described below:

- Development of a prototype model for widespread use of an “online permitting” software tool that will allow cities to track energy project information through internet permit application submittals and related policy and project tracking tools.

6. Task C6 – Marketing, Education, Outreach & Training

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$9,037	\$0	\$229,199	\$433,842	\$672,078

The SoCalREC program includes marketing and communications activities to promote the public agency energy upgrade program as well as promote the full SoCalREN portfolio of programs. This will be accomplished by continuing efforts which began in 2013-14 including:

- Further develop templates and case studies to celebrate the success of the program to be disseminated through available channels.
- Provide information to public agencies in the form of email announcements, flyers, participation at expos, trade shows and other events.
- Hold workshops and participate in existing workshops to educate others on project delivery process and program offerings.
- Continue to uphold SoCalREN’s “The Energy Network” brand guidelines for SoCalREN and its subprograms to utilize and leverage.
- Continue to produce and distribute the monthly newsletter called The Network News to inform stakeholders of program successes.
- Maintain the SoCalREN website (www.theenergynetwork.com) that provides a one-stop location for SoCalREN programs and services and provides relevant information and resources to interested customers and program participants.

7. Task C7- Workforce Development

Program Year	Admin	Incentives	DI	M&O	Total
2015 Total	\$150,000	\$0	\$0	\$0	\$150,000

Background

SoCalREN will work with Emerald Cities Collaborative (ECC) to continue and expand support to build out an integrated workforce development program. The goal is to expand the local economic development impact of energy efficiency projects through the effective use of local hire and procurement programs. The support services include: 1) workforce development, 2) contractor training, and 3) monitoring and compliance support services.

- I. Workforce Development -**
 - a. Continue to convene the Workforce Development Advisory Committee to implement work pipelines and partnerships in REN markets.

- b. Identify additional workforce training support services to facilitate entry to EE career pathway
- c. Implement partnership with labor unions to facilitate access to union apprenticeship training
- d. Develop training opportunities/program for incumbent energy facilities management workers through collaboration with community colleges, IOUs, etc.
- e. Create awareness of SoCalREN workforce development efforts in MUSH sector
- f. On-going participation in the IOUs Workforce Education and Training Advisory Committee.

II. Contractor Academy

- a. Provide contractor technical assistance for training cohorts 1 and 2 to submit SOQs to pre-qualify for LA County energy services contracts.
- b. Establish and implement mentoring program for Contractor Academy students/graduates with prime/sub/partnering opportunities Identify and train small, minority contractors to compete for energy efficiency retrofit projects
- c. Provide Contractor Academy graduates with continued access to financing, bonding, marketing and business assistance services.
- d. Provide Contractor Academy students/graduates with information about upcoming EE contracting opportunities
- e. Implement Contractor Academy website as a depository of resources for contractors in EE sector
- f. Monitor and report on Contractor Academy graduates contract awards

III. LWHP and SBE Administration and Compliance Support Services

- a. Facilitate integration of LCP Tracker and B2GNow in ISD compliance procedures
- b. Coordinate with ISD staff on implementation of LCP Tracker and B2GNow compliance systems
- c. Develop and generate customized reports on LWHP and SBE utilization
- d. Develop LWHP and SBE specifications for EE projects
- e. Coordinate with and support ISD staff with LWHP and SBE program implementation
- f. Provide training to ISD staff and contractors on program implementation and reporting requirements

VI. Appendices

All Appendices can be downloaded from the public website at:

<http://action.theenergynetwork.com/about-us/regulatory-information>

Index of Appendices

- Appendix A: Revised Summary Tables (File: 2015 SoCalREN AppendixA 2014_12_15)
- Appendix B: Revised Budget and Savings Placemats (File: 2015 SoCalREN AppendixB 2014_12_15)
- Appendix C and D: Revised Savings allocation and Funding Source (File: 2015 SoCalREN AppendixC 2014_12_15)
- Appendix F: Revised 2015 E3 Calculators
 - Electric
 - 2015 SoCalREN E3 Roll Up (File: SoCalREN 2015 Electric E3 Roll-Up 2014_12_15)
 - EUC Roll Up (File: SCR-EUC 2015 Electric E3 Roll-Up 2014_12_15)
 - REC (File: SCR-REC 2015 Electric E3 2014_12_15)
 - Gas
 - 2015 SoCalREN E3 Roll Up (File: SoCalREN 2015 Gas E3 Roll-Up 2014_12_15)
 - EUC Roll Up (File: SCR-EUC 2015 Gas E3 Roll-Up 2014_12_15)
 - REC (File: SCR-REC 2015 Gas E3 2014_12_15)

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY ENERGY UTILITY

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

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

Utility type:

X ELC X GAS

PLC HEAT WATER

Contact Person: Howard Choy

Phone #: (323) 267-2006

E-mail: HChoy@isd.lacounty.gov

EXPLANATION OF UTILITY TYPE

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

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: 4-E-G

Subject of AL: Compliance Filing Regarding Revisions to the Southern California Regional Energy Network 2015 Energy Efficiency Program Portfolio Changes and Funding Request

Keywords (choose from CPUC listing): Compliance

AL filing type: Monthly Quarterly Annual One-Time Other _____

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: D.14-10-046

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

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

Resolution Required? Yes No

Requested effective date: January, 14, 2015 No. of tariff sheets: N/A

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

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

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

Tariff schedules affected: N/A

Service affected and changes proposed¹: Updated Program Implementation Plans and Supporting Information for the SoCalREN's energy efficiency programs in compliance with D.14-10-046

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

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

**CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Ave., 4th Flr.
San Francisco, CA 94102
EDTariffUnit@cpuc.ca.gov**

**Utility Info (including e-mail)
Howard Choy
General Manager
County of Los Angeles Office of Sustainability
1100 North Eastern Avenue
Los Angeles, CA 90063-3200
HChoy@isd.lacounty.gov**

¹ Discuss in AL if more space is needed.

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

Order Instituting Rulemaking Concerning
Energy Efficiency Rolling Portfolios, Policies,
Programs, Evaluation and Related Issues.

Rulemaking 13-11-005
(Filed November 21, 2013)

**NOTICE OF AVAILABILITY OF
COUNTY OF LOS ANGELES COMPLIANCE FILING REGARDING REVISIONS TO THE
SOUTHERN CALIFORNIA REGIONAL ENERGY NETWORK 2015 ENERGY EFFICIENCY
PROGRAM PORTFOLIO CHANGES AND FUNDING REQUEST,
ON BEHALF OF THE SOUTHERN CALIFORNIA REGIONAL ENERGY NETWORK
(CPUC #940)**

Howard Choy, General Manager
County of Los Angeles Office of Sustainability
1100 North Eastern Avenue
Los Angeles, CA 90063-3200
(323) 267-2006
HChoy@isd.lacounty.gov

December 15, 2014

The Southern California Regional Energy Network (“SoCalREN”) serves herewith this Notice of Availability pursuant to Rule 1.9 of the California Public Utilities Commission’s Rules of Practice and Procedure, of the appendices that support the SoCalREN’s Compliance Filing Regarding Revisions to the Southern California Regional Energy Network 2015 Energy Efficiency Program Portfolio Changes and Funding request. These documents were identified in the SoCalREN’s filing and service of this request on December 15, 2014. This Notice of Availability is being served on the Service List for this proceeding.

The appendices that support SoCalREN’s 2015 budget request are too voluminous to serve electronically. Accordingly, as allowed by Rule 1.9 (c) of the Commission’s Rules of Practice and Procedure, the SoCalREN is serving herein this Notice of Availability on all interested parties. The appendices listed below are available on the SoCalREN’s website, viewable at: <http://action.theenergynetwork.com/about-us/regulatory-information>

The list of appendices available at the above referenced web address is set forth in Attachment 1. A copy of any and all documents identified in Attachment 1 will be provided upon request. All requests shall be directed to Jody London, Regulatory Consultant, jody_london_consulting@earthlink.net.

Date: December 15, 2014

Respectfully Submitted,



Howard Choy, General Manager
County of Los Angeles Office of Sustainability
1100 North Eastern Avenue
Los Angeles, CA 90063-3200
(323) 267-2006
HChoy@isd.lacounty.gov

ATTACHMENT 1 – LIST OF APPENDICES

All Appendices can be downloaded from the public website at:

<http://action.theenergynetwork.com/about-us/regulatory-information>

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