

Annual Energy Efficiency Programs Task Orders

Public Utilities

City Council
June 12, 2018

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Legislative Background

1. Assembly Bill (AB) 1890

Requires 2.85% of electric revenue to be utilized for:

- a. demand-side management (energy efficiency)
- b. renewable energy
- c. low-income assistance
- d. research, development & demonstration

2. Senate Bill (SB) 1037

"first acquire all available energy efficiency and demand reduction resources that are cost-effective, reliable, and feasible"



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Legislative Background

3. AB 2021 – *requires POU's to:*

- a. identify all potentially achievable cost-effective electricity efficiency savings
- b. establish annual targets for energy efficiency savings and demand reduction over ten years
- c. City Council set RPU's target at 1% of annual retail energy sales

4. SB 350 – *requires statewide:*

- a. energy efficiency savings and demand reduction
- b. cumulative doubling of energy efficiency by January 1, 2030



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Council Direction

1. **August 14, 2007** – City Council unanimously approved the use of SCPA for the procurement of energy efficiency and conservation programs and services.

2. **February 21, 2017** – City Council directed staff to:

- a. Provide detailed proposed SCPA expenditures to Board and to City Council.
- b. Deliver a bi-annual report to the Board and City Council on expenditures.
- c. Seek City Council approval of task orders over \$50,000.



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What is Southern California Public Power Authority (SCPPA)

Joint powers agency comprised of eleven municipal utilities and one irrigation district

1. Formed in 1980, provides joint financing, construction, and operation of transmission and generation projects
2. *SCPPA members enjoy economies of scale pricing*



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RPU Procurement Process through SCPPA Energy Efficiency Programs

1. SCPPA posts a competitive Request for Proposal (RFP)
2. SCPPA enters into a Master Professional Services Agreement (MPSA) with awarded contractor(s)
3. Member agencies participate in these energy efficiency programs through a Task Order
 - a. A Task Order is a detailed program agreement between a member agency and the selected contractor



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Customer Benefit

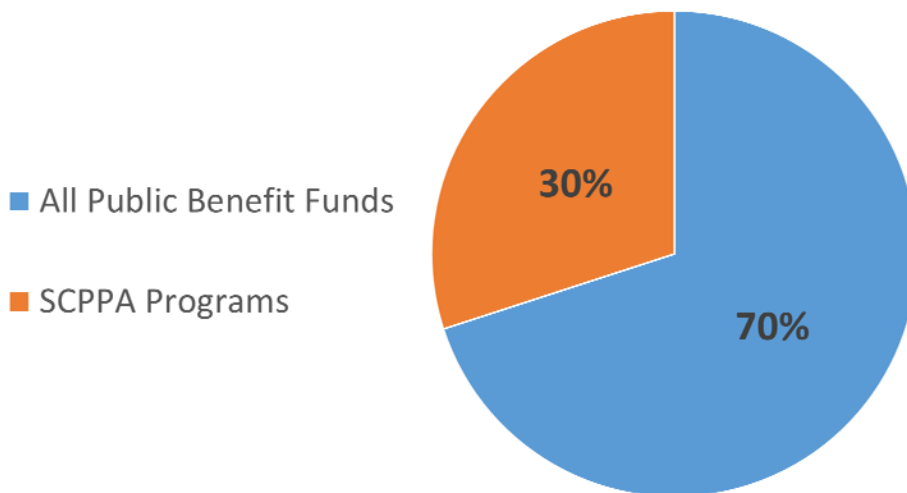
1. SCPPA Contracts include economies-of-scale pricing
 - a. 4%-33% discount depending on the specific program
2. RPU realizes nearly 16% or \$500,000 per year in savings
3. All SCPPA RFPs are evaluated by subject matter experts from SCPPA member agencies



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Fiscal Year 2016/17



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Program Outreach

1. Vendor-Driven Outreach to Supplement RPU Staff

Allows RPU to contact more customers and increase program participation

2. Customer Inquiry

- Any RPU customer may contact 311 or Customer Service and request program information from an RPU Program Manager
- Program Manager will advise and enroll customer into any program that will benefit the customer



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Energy Efficiency Programs Through SCPPA

Program	Vendor	Service	Annual Resource Cost (\$/kWh)
New- Business Outdoor Lighting Direct Installation Program	Richard Heath & Associates (RHA)	Outdoor lighting improvements for medium and large businesses	\$ 0.41
Upstream High Efficiency Commercial HVAC Program	Energy Solutions	Commercial HVAC rebates at the distributor level	\$ 0.13
Multifamily & Mobile Home Direct Installation Program	Synergy Companies	Direct installation of energy efficiency measures	\$ 0.11
LED Buydown Program	GreenLite	LED customer incentives offered at participating retailers	\$ 0.16
Small Business Direct Installation Program	Lime Energy	Lighting and HVAC improvements to small businesses	\$ 0.55
Keep Your Cool Program	Efficiency Services Group (ESG)	Lighting and refrigeration improvements to customers with large refrigeration load	\$ 0.25
Key Account Energy Efficiency Program	Munifed/ Partner Energy	Commercial and Industrial in Depth Efficiency Audits	\$ 0.20
Customer Engagement Program	Oracle/Opower	Residential Home Energy Reports	\$ 0.78

New - Business Outdoor Lighting Direct Installation *Richard Heath & Associates (RHA)*

1. The Task Order between RPU and RHA is for Fiscal Year 2018-19 in the amount of **\$965,000**
2. This program is expected to achieve an estimated energy savings target of **2,350 MWh**
3. SCPPA Discount = **20%**
4. Vendor makes direct contact with those customers who qualify based on their load and existing lighting



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Upstream High Efficiency HVAC Program *Energy Solutions*

1. The Task Order between RPU and Energy Solutions is for Fiscal Year 2018-19 in the amount of **\$250,000**
2. This program is expected to achieve an estimated energy savings target of **840 MWh**
3. SCPPA Discount = **12.5%**
4. Vendor outreach to all HVAC distributors in RPU service territory



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Multifamily & Mobile Home Direct Installation Program *Synergy Companies*

1. The Task Order between RPU and Synergy Companies is for Fiscal Year 2018-19 in the amount of **\$150,000**
2. This program is expected to achieve an estimated energy savings target of **1,200 MWh**
3. SCPPA Discount = **12%**
4. Vendor outreach to all multifamily and mobile home parks in RPU service territory



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LED Buydown Program *GreenLite*

1. The Task Order between RPU and GreenLite Lighting Corp USA is for Fiscal Year 2018-19 in the amount of **\$300,000**
2. This program is expected to achieve an estimated energy savings target of **1,800 MWh**
3. SCPPA Discount = **4%**
4. RPU general promotion – bills, website, advertisements, point of purchase, etc.



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Small Business Direct Installation Program *Lime Energy*

1. Task Order between RPU and Lime Energy is for Fiscal Year 2018-19 in the amount of **\$965,000**
2. This program is expected to achieve an estimated energy savings target of **2,500 MWh**
3. SCPPA Discount = **20%**
4. Vendor makes contact with those customers who qualify based on electric consumption



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The Keep Your Cool Program *Efficiency Services Group*

1. The Task Order between RPU and Efficiency Services Group is for Fiscal Year 2018-19 in the amount of **\$100,000**
2. This program is expected to achieve an estimated energy savings target of **375 MWh**
3. SCPPA Discount = **25%**
4. Vendor makes contact with customers with significant refrigeration usage



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Key Account Energy Efficiency Program *Muni-Fed Partner Energy*

1. The Task Order between RPU and Muni-Fed Partner Energy is for Fiscal Year 2018-19 in the amount of **\$150,000**
2. This program seeks to achieve an estimated energy savings target of **1,500 MWh**
3. SCPPA Discount = **33%**
4. Vendor contacts customers based on usage and at RPU's request



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Customer Engagement Program *Oracle/Opower*

1. The Task Order between RPU and Oracle America Inc. is for Fiscal Year 2018-19 in the amount of **\$275,000**
2. This program seeks to achieve an estimated energy savings target of **2,720 MWh**
3. SCPPA Discount = **5%**
4. 24,000 residential customers randomly selected



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Fiscal Impact

Program	SCPPA Contractor	SCPPA Resolution Number	Fiscal Year 2018-19 Budget	Account Number	Sufficient Funds Available
Business Outdoor Lighting Direct Installation Program	Richard Heath & Associates	2017-113	\$ 965,000.00	6020100-456006	Yes
Upstream HVAC Program	Energy Solutions	2013-019	\$ 250,000.00	6020100-456091	Yes
Multifamily Direct Installation Program	Synergy Companies	2014-082	\$ 150,000.00	6020100-456092	Yes
LED Buydown Program	GreenLite	2014-119	\$ 300,000.00	6020100-456096	Yes
Small Business Direct Installation Program	Lime Energy	2016-008	\$ 965,000.00	6020100-456080	Yes
Keep Your Cool	Efficiency Services Group	2015-023	\$ 100,000.00	6020100-456080	Yes
Key Account Energy Efficiency Program	Muni-Fed Partner Energy	2017-070	\$ 150,000.00	6020100-456094	Yes
Customer Engagement Program	Oracle America Inc.	2017-059	\$ 275,000.00	6020100-456097	Yes
Total			\$ 3,155,000.00		



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Program Evaluation

During FY 2018/19, staff will be reviewing all energy and water efficiency programs. The review will include:

1. All current SCPPA vendors
2. Community needs assessment

Program Portfolio review will benchmark current programs against:

1. California Standards
2. National Standards



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Recommendations

That the City Council:

1. Approve the creation of the Business Outdoor Lighting Direct Installation Program;
2. Approve the annual Task Order with Richard Heath and Associates Inc., Southern California Public Power Authority Resolution No. 2017-113 for the Business Outdoor Lighting Direct Installation Program through Southern California Public Power Authority for Energy Efficiency Programs for fiscal year 2018/19, in the amount of \$965,000;
3. Approve the annual Task Order with Cohen Ventures, Inc., DBA Energy Solutions, Southern California Public Power Authority Resolution No.2013-019 for the Upstream Heating, Ventilation, and Air Conditioning Program through Southern California Public Power Authority for Energy Efficiency Programs for fiscal year 2018/19 in the amount of \$250,000;
4. Approve the annual Task Order with Synergy Companies, Southern California Public Power Authority Resolution No.2014-082 for the Multifamily Direct Installation Program through Southern California Public Power Authority for Energy Efficiency Programs for fiscal year 2018/19, in the amount \$150,000;



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Recommendations Continued

5. Approve the annual Task Order with GreenLite Lighting Corporation USA, Southern California Public Power Authority Resolution No.2014-119 for the Retail Light Emitting Diode Buydown Program through Southern California Public Power Authority for Energy Efficiency Programs for fiscal year 2018/19 in the amount of \$300,000;
6. Approve the annual Task Order with Lime Energy Services Company, Southern California Public Power Authority Resolution No.2016-008 for the Small Business Direct Installation Program through Southern California Public Power Authority for Energy Efficiency Programs for fiscal year 2018/19, in the amount of \$965,000;
7. Approve the annual Task Order with Efficiency Services Group, LLC, Southern California Public Power Authority Resolution No.2015-023 for the Keep Your Cool Program through Southern California Public Power Authority for Energy Efficiency Programs for fiscal year 2018/19, in the amount of \$100,000;
8. Approve the annual Task Order with Muni-Fed Partner Energy, LLC, Southern California Public Power Authority Resolution No.2017-070 for the Key Accounts Energy Efficiency Program through Southern California Public Power Authority for Energy Efficiency Programs for fiscal year 2018/19 in the amount of \$150,000;



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Recommendations Continued

9. Approve the annual Task Order with Oracle America, Inc. Southern California Public Power Authority Resolution No.2017-059 for the Customer Engagement Program through Southern California Public Power Authority for Energy Efficiency Programs for fiscal year 2018/19 in the amount of \$275,000; and
10. Authorize the City Manager, or his designee, to sign the Task Orders between Riverside Public Utilities and Southern California Public Power Authority for services by: Richard Heath and Associates, Inc. Cohen Ventures, Inc., DBA Energy Solutions, Synergy Companies, GreenLite Lighting Corporation USA, Lime Energy Services Company, Efficiency Services Group LLC, Muni-Fed Partner Energy LLC, and Oracle America, Inc., that are agreed upon under the Southern California Public Power Authority Master Professional Services Agreement; including the ability to make any minor nonsubstantive changes to the Task Orders between Riverside Public Utilities and Southern California Public Power Authority without exceeding the previously approved program budget.

