



ANNUAL PROGRAM TASK ORDERS FOR ADMINISTRATION OF NINE ENERGY EFFICIENCY PROGRAMS FOR FISCAL YEAR 2019/20 IN THE TOTAL AMOUNT OF \$3,340,000 WITH SCPPA

Customer Engagement Group

Board of Public Utilities
May 13, 2019

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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 publicly owned utilities 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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ENERGY EFFICIENCY PROGRAMS

Program	Vendor	Service
Load Profiler Program	Automated Energy	Interval Meter Data with Web Access
Keep Your Cool Program	Efficiency Services Group	Lighting and refrigeration improvements to customers with large refrigeration load
Upstream High Efficiency Commercial HVAC Program	Energy Solutions	Commercial HVAC rebates at the distributor level
LED Buydown Program	GreenLite	LED customer incentives offered at participating retailers
Small Business Direct Installation Program	Lime Energy	Lighting and HVAC improvements to small businesses
Key Account Energy Efficiency Program	Munified/ Partner Energy	Commercial and Industrial in Depth Efficiency Audits
Customer Engagement Program	Oracle/Opower	Residential Home Energy Reports
Business Outdoor Lighting Direct Installation Program	Richard Heath & Associates (RHA)	Outdoor lighting improvements for medium and large businesses
Multifamily & Mobile Home Direct Installation Program	Synergy Companies	Direct installation of energy efficiency measures

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RATEPAYER BENEFIT

1. Procurement using economies-of-scale pricing
 - A. 4%-40% discount depending on the specific program
 - B. 17% or \$565,000 annual savings
2. Direct contractual relationship
 - A. General RFP/RFQ
 - B. Contractor selection by subject matter experts
 - C. RPU Task Orders with approved contractors

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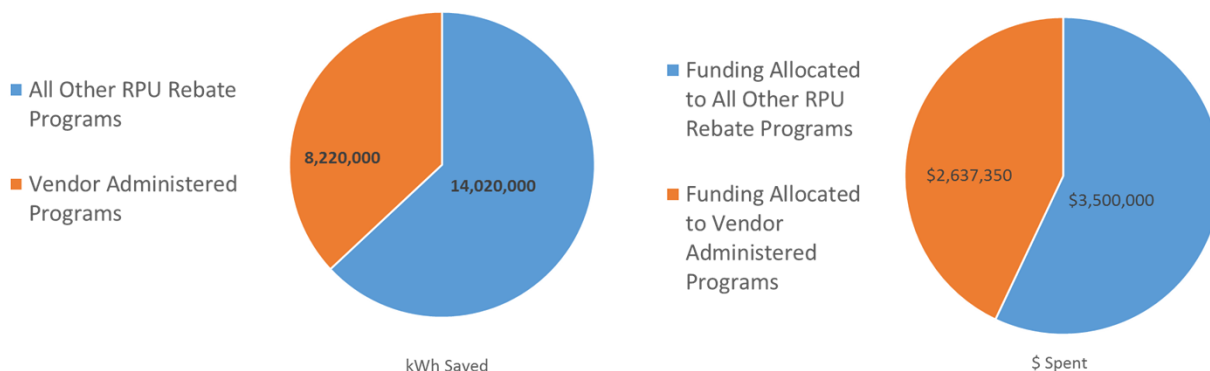


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ENERGY SAVINGS FY 2017-18

Total Saved = 22,240,000 kWh

95% of Goal



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LOAD PROFILER PROGRAM

Automated Energy

1. The Task Order between RPU and Automated Energy is for Fiscal Year 2019-20 in the amount of **\$75,000**
2. The annual resource cost of this program is **\$0.016/kWh**
3. Economies of Scale Discount = **40%**



Clear snapshot of your energy use and cost



15-minute interval data



Customize your dashboard to track any energy metric and budget



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KEEP YOUR COOL PROGRAM

Efficiency Services Group

1. The Task Order between RPU and Efficiency Services Group is for Fiscal Year 2019-20 in the amount of **\$200,000**
2. The annual resource cost of this program is **\$0.36/kWh**
3. Economies of Scale Discount = **15%**



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UPSTREAM HIGH EFFICIENCY HVAC PROGRAM

Energy Solutions

1. The Task Order between RPU and Energy Solutions is for Fiscal Year 2019-20 in the amount of **\$250,000**
2. The annual resource cost of this program is **\$0.22/kWh**
3. Economies of Scale Discount = **12.5%**



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LED BUYDOWN PROGRAM

GreenLite

1. The Task Order between RPU and GreenLite Lighting Corp USA is for Fiscal Year 2019-20 in the amount of **\$300,000**
2. The annual resource cost of this program is **\$0.13/kWh**
3. Economies of Scale Discount = **4%**



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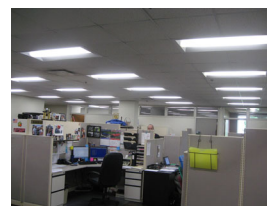


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SMALL BUSINESS DIRECT INSTALLATION PROGRAM

Lime Energy

1. Task Order between RPU and Lime Energy is for Fiscal Year 2018-19 in the amount of **\$965,000**
2. The annual resource cost of this program is **\$0.60/kWh**
3. Economies of Scale Discount = **15%**



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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 2019-20 in the amount of **\$200,000**
2. The annual resource cost of this program is **\$0.06/kWh**
3. Economies of Scale Discount = **33%**



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CUSTOMER ENGAGEMENT PROGRAM

Oracle/Opower

1. The Task Order between RPU and Oracle America Inc. is for Fiscal Year 2019-20 in the amount of **\$235,000**
2. The annual resource cost of this program is **\$0.30/kWh**
3. Economies of Scale Discount = **5%**



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BUSINESS OUTDOOR LIGHTING DIRECT INSTALLATION PROGRAM

Richard Heath & Associates (RHA)

1. The Task Order between RPU and RHA is for Fiscal Year 2019-20 in the amount of **\$965,000**
2. The annual resource cost of this program is **\$0.50/kWh**
3. Economies of Scale Discount = **15%**



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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 2019-20 in the amount of **\$150,000**
2. The annual resource cost of this program is **\$0.34/kWh**
3. Economies of Scale Discount = **12%**



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FISCAL IMPACT

Program	Contractor	Fiscal Year 2019-20 Budget
Load Profiler Program	Automated Energy	\$75,000
Keep Your Cool Program	Efficiency Services Group	\$200,000
Upstream HVAC Program	Energy Solutions	\$250,000
LED Buydown Program	GreenLite	\$300,000
Small Business Direct Installation Program	Lime Energy	\$965,000
Key Account Energy Efficiency Program	Muni-Fed Partner Energy	\$200,000
Customer Engagement Program	Oracle America Inc.	\$235,000
Business Outdoor Lighting Direct Installation Program	Richard Heath & Associates	\$965,000
Multifamily Direct Installation Program	Synergy Companies	\$150,000
Total		\$3,340,000



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PROGRAM EVALUATION

During FY 2018/19, staff began the energy efficiency program portfolio review. To date:

1. Enhancements have been made to Tree Power Program
2. Staff solicited pricing requests from 21 approved vendors
 - A. Staff conducted a due diligence process to evaluate the competency of the vendors
 - B. Staff confirmed the existing vendors are currently the best option for RPU programmatic needs



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RECOMMENDATIONS

That the Board of Public Utilities recommend that the City Council:

1. Approve an annual Task Order with Automated Energy, Southern California Public Power Authority Resolution No. 2017-067 for the Load Profiler Program through Southern California Public Power Authority for Energy Efficiency Programs for fiscal year 2019/20, in the amount of \$75,000;
2. Approve an annual Task Order with Efficiency Services Group, Southern California Public Power Authority Resolution No. 2018-070 for the Keep Your Cool Program through Southern California Public Power Authority for Energy Efficiency Programs for fiscal year 2019/20, in the amount of \$200,000;
3. Approve an annual Task Order with Cohen Ventures DBA Energy Solutions, Southern California Public Power Authority Resolution No. 2019-025 for the Upstream Heating, Ventilation, and Air Conditioning Program through Southern California Public Power Authority for Energy Efficiency Programs for fiscal year 2019/20 in the amount of \$250,000;



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RECOMMENDATIONS (CON'T)

4. Approve an 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 2019/20 in the amount of \$300,000;
5. Approve an 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 2019/20, in the amount of \$965,000;
6. Approve an 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 2019/20 in the amount of \$200,000;



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RECOMMENDATIONS (con't)

7. Approve an 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 2019/20 in the amount of \$235,000;
8. Approve an 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 2019/20, in the amount of \$965,000;
9. Approve an 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 2019/20, in the amount \$150,000; and



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RECOMMENDATIONS (con't)

10. Authorize the City Manager, or designee, to sign the Task Orders between Riverside Public Utilities and Southern California Public Power Authority for services by: Automated Energy, Efficiency Services Group, Cohen Ventures DBA Energy Solutions, Synergy Companies, Greenlite Lighting Corporation USA, Lime Energy Services Company, Muni-Fed Partner Energy LLC, and Oracle America, Inc., Richard Heath and Associates, and Synergy Companies, that are agreed upon under the Southern California Public Power Authority Master Professional Services Agreement or Master Goods and Services Agreement, including the ability to make any minor nonsubstantive changes to the Task Orders without exceeding the previously approved program budget.



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