



**ANNUAL PROGRAM TASK ORDERS FOR
ADMINISTRATION OF 9 ENERGY EFFICIENCY
PROGRAMS FOR FISCAL YEAR 2019/20 IN THE TOTAL
AMOUNT OF \$3,340,000 WITH SCPPA**

Riverside Public Utilities

City Council
June 18, 2019

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LEGISLATIVE BACKGROUND

1. **Assembly Bill 1890** (1996)

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 1037** (2005)

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



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LEGISLATIVE BACKGROUND

3. **Assembly Bill 2021** (2006) – *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. **Senate Bill 350** (2015) – *requires statewide:*

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



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RPU's APPROACH TO PROGRAMS

Focus on providing the best value for customers

Options for establishing a program

1. **In-house Program**

Rebate programs such as for Energy Star appliances

2. **Partnership with other agencies**

Water Smart Program and Energy Savings Assistance Program

3. **Direct contract with vendor**

4. **Contract with vendor through SCPPA**

When program offered supports energy efficiency portfolio goals



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JOINT POWERS AUTHORITY



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SCPPA ROLES

Loading Order for Resource Procurement

- 1.  **Energy Efficiency**
- 2.  **Renewable Generation**
- 3.  **Traditional Generation**

Transmission and Planning

-  **Transmission**
-  **Energy Project Planning**

Other Support for Primary Roles

-  **Legislative and Regulatory Support**
-  **Training and Working Groups**



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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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RPU ENERGY EFFICIENCY PROGRAMS THROUGH SCPA (UNDER \$50,000)

RPU General Manager signing authority:

1. **AESC** – \$8,200 – case studies on the energy savings from fume hoods
2. **OpSolve** – \$12,000 – provides an online platform for home energy audits
3. **SalesForce** – \$18,000 – Customer Relationship Management tool



Efficiency Assessments



City Manager signing authority:

4. **ARCA** – \$45,000 – Refrigerator and freezer recycling program



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RPU ENERGY EFFICIENCY PROGRAMS THROUGH SCPPA (OVER \$50,000)

Board of Public Utilities and City Council approval:

- 1. **Automated Energy** - \$75,000 - Load Profiler Program
- 2. **Efficiency Services Group** - \$200,000 - Keep Your Cool Program
- 3. **Energy Solutions** - \$250,000 - Upstream High Efficiency Commercial HVAC Program
- 4. **GreenLite** - \$300,000 - LED Buydown Program
- 5. **Lime Energy** - \$965,000 - Small Business Direct Installation Program
- 6. **Muni-Fed/Partner Energy** - \$200,000 - Key Account Energy Efficiency Program
- 7. **Oracle/Opower** - \$235,000 - Customer Engagement Program
- 8. **Richard Heath & Associates** - \$965,000 - Business Outdoor Lighting Direct Installation Program
- 9. **Synergy Companies** - \$150,000 - Multifamily & Mobile Home Direct Installation Program



ADDITIONAL SCPPA ENERGY EFFICIENCY PROGRAMS (NO RPU PARTICIPATION)

Member agencies may access approximately 60 energy efficiency vendor contracts

RPU selects programs through SCPPA that:

- 1. **Meet RPU energy efficiency portfolio goals**
- 2. **Provide a service that is not currently offered**

Examples of Services RPU does NOT participate in

- a. Marketing services
- b. School programs
- c. Home energy evaluations
- d. Engineering assistance

- 3. **Provide a cost savings vs. a direct contract with vendor**



RATEPAYER BENEFIT

1. Procurement using economies-of-scale pricing

- 4%-40% discount depending on the specific program
- 17% or \$565,000 annual savings

2. Direct contractual relationship

- General RFP/RFQ
- Contractor selection by subject matter experts
- RPU Task Orders with approved contractors



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LOAD PROFILER PROGRAM

Automated Energy

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



15-minute interval data

KEEP YOUR COOL PROGRAM

Efficiency Services Group

- The Task Order between RPU and Efficiency Services Group is for Fiscal Year 2019-20 in the amount of **\$200,000**
- The annual resource cost of this program is **\$0.36/kWh**
- 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%**



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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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%**



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%**



BUSINESS OUTDOOR LIGHTING DIRECT INSTALLATION PROGRAM

Richard Heath and Associates

- 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



RECOMMENDATIONS

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;



RECOMMENDATIONS

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

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

10. Authorize the City Manager, or designee, to sign the Task Orders with 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 non-substantive changes to the Task Orders without exceeding the previously approved program budget.



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