

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov

**AMENDED NOTICE OF PROPOSED AWARD (NOPA)****Developing a Portfolio of Advanced Efficiency Solutions (Phase II): Plug Load Technologies
GFO-15-310
January 27, 2016**

On September 28, 2015, the California Energy Commission (Energy Commission) released a competitive solicitation to fund applied research and development projects that develop next generation plug load efficiency technologies and strategies for the building sector. Up to \$40,260,444 **\$10,278,474** in Electric Program Investment Charge (EPIC) Program funding is available to fund applications in the following project groups:

- Group A: Develop Next Generation Plug Load Devices & Technologies
- Group B: Develop Integrated Plug Load Strategies

The Energy Commission received nine proposals for Group A and ten proposals for Group B by the due date of November 23, 2015. Each proposal was screened, reviewed, evaluated and scored using the criteria in the solicitation. Nineteen proposals passed the Stage One Application Screening.

The attached "Notice of Proposed Award" identifies each applicant selected and recommended for funding by Energy Commission staff and includes the recommended funding amount and score. The total amount recommended for group A is ~~\$7,579,723~~ **\$7,597,753**. The total amount recommended for Group B is \$2,680,721.

Funding of proposed projects resulting from this solicitation is contingent upon the approval of these projects at a publicly noticed Energy Commission Business Meeting and execution of a grant agreement. If the Energy Commission is unable to timely negotiate and execute a funding agreement with an Applicant, the Energy Commission, at its sole discretion, reserves the right to cancel or otherwise modify the pending award, and award the funds to another applicant.

In addition, the Energy Commission reserves the right to: 1) increase or decrease the available funding and the group minimum/maximum award amounts described in the solicitation and 2) negotiate with successful applicants to modify the project scope, schedule, and/or level of funding.

This notice is being mailed to all parties who submitted an application to this solicitation and is also posted on the Energy Commission's website at: www.energy.ca.gov/contracts/.

For information, please contact Angela Hockaday at (916) 654-5186 or Angela.Hockaday@energy.ca.gov

Angela Hockaday
Commission Agreement Officer



California Energy Commission
GFO-15-310

**Developing A Portfolio of Advanced Efficiency Solutions (Phase II): Plug Load Technologies
 and Approaches for Buildings**

Group A: Develop Next Generation Plug Load Devices & Technologies

AMENDED Notice of Proposed Award

January 27, 2016

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Proposed Awards							
1	Aggios, Inc.	Mobile Efficiency for Plug Load Devices	\$1,996,999	\$1,996,999	\$6,030,450	91.93	Awardee
2	Lawrence Berkeley National Lab	Efficiency and ZNE-Ready Plug Loads	\$1,600,000	\$1,600,000	\$495,000	91.78	Awardee
3	Home Energy Analytics	Plug Load Reduction App: Reduce Your Plug Loads (RYPL)	\$884,100	\$884,100	\$350,000	86.75	Awardee
4	Fisher Nickel, Inc.	Plug Load Savings Potential of Commercial Foodservice Equipment	\$945,000	\$945,000	\$202,450	85.35	Awardee
5	Lawrence Berkeley National Lab	A Plug Loads Game Changer: Gaming System Energy Efficiency without Performance Compromises	\$1,368,500 \$1,386,530	\$1,368,500 \$1,386,530	\$0	85.15	Awardee
6	The Regents of the University of California- Irvine Campus	Power Management User Interface	\$785,124	\$785,124	\$0	81.15	Awardee
Total Funding Recommended			\$7,579,723 \$7,597,753	\$7,579,723 \$7,597,753	\$7,077,900		



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Group A: Develop Next Generation Plug Load Devices & Technologies

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Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Passed but Not Funded							
7	TrickleStar LLC	Integrating Soft-Switching Technology into the Residential A/V Equipment	\$878,110	\$0	\$161,250	78.00	Finalist
8	The Regents of the University of California- Irvine Campus	Smart Energy Efficiency in Plug Load Devices with Cognitive Computing Technology	\$837,587	\$0	\$0	77.40	Finalist
9	My Green Lab	Sleeping in the Lab: Identifying Obstacles and Quantifying the Energy-Savings Potential of Laboratory Equipment Design and Operation	\$931,847	\$0	\$0	70.44	Finalist
Total			\$2,647,544	\$0	\$161,250		
Grand Total			\$10,227,267 \$10,245,297	\$7,579,723 \$7,597,753	\$7,239,150		



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Developing A Portfolio of Advanced Efficiency Solutions (Phase II): Plug Load Technologies and Approaches for Buildings

Group B: Develop Integrated Plug Load Strategies

AMENDED Notice of Proposed Award

January 27, 2016

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Proposed Awards							
1	Lawrence Berkeley National Lab	Unlocking Plug Load Energy Savings through Energy Reporting	\$1,630,699	\$1,630,699	\$494,318	88.37	Awardee
2	Electric Power Research Institute	Flexible Control Strategies for Plug Loads with Context-Aware Smart Power Outlets to Mitigate Electricity Waste and Support Demand Response	\$1,050,022	\$1,050,022	\$335,120	87.61	Awardee
Total Funding Recommended			\$2,680,721	\$2,680,721	\$829,438		
Passed but Not Funded							
3	RMS Energy Consulting	Leveraging the Connected Home to Unlock Cost-Effective Grid Stability	\$847,225	\$0	\$40,000	86.56	Finalist
4	White Box Technologies	Integrating Plug Load Control Devices with Building Energy Management Systems in Commercial Buildings	\$904,000	\$0	\$67,250	85.02	Finalist
5	The Regents of the University of California- Davis Campus	Control Automation for Appliances and Miscellaneous Plug Loads (CAAPs)	\$1,739,143	\$0	\$88,838	84.90	Finalist
6	Keewi, Inc.	User Behavior Change and Automated Plug Load Management Through Data Monitoring and Intelligent Management	\$921,855	\$0	\$54,565	83.00	Finalist
7	Lawrence Berkeley National Lab	Development and Evaluation of Advanced Smart Energy Monitoring and Management Systems with Integrated Plug-Load Device Controls for Residential Use	\$1,368,500	\$0	\$341,800	82.12	Finalist



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**Developing A Portfolio of Advanced Efficiency Solutions (Phase II): Plug Load Technologies
 and Approaches for Buildings**

Group B: Develop Integrated Plug Load Strategies

AMENDED Notice of Proposed Award

January 27, 2016

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
8	The Regents of the University of California- Berkeley Campus	XBOS/PL: A Plug Load Energy Manager for Heterogenous, Transient Devices in Commercial Buildings	\$2,000,000	\$0	\$500,000	79.64	Finalist
9	Energia	Managing Micellaneous Plug Load Usage with Characterization, Prioritization and Control	\$1,115,443	\$0	\$0	73.25	Finalist
Total			\$8,896,166	\$0	\$1,092,453		
Did Not Pass							
	Advanced Automated Utility	Plug Load Efficiencies Through Smart Building Energy Management (PLUGSEM)	\$1,946,052	\$0	\$389,210		Did Not Pass
Total			\$1,946,052	\$0	\$389,210		
Grand Total			\$13,522,939	\$2,680,721	\$2,311,101		