

CALIFORNIA ENERGY COMMISSION

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

**NOTICE OF PROPOSED AWARD (NOPA)**

Bringing Rapid Innovation Development to Green Energy (BRIDGE)
GFO-17-308

August 8, 2018

On November 15, 2017, the California Energy Commission released a competitive solicitation titled "*Bringing Rapid Innovation Development to Green Energy (BRIDGE)*" (GFO-17-308). The solicitation sought to provide follow-on funding for the most promising energy technologies that have previously received an award from an eligible California Energy Commission program or United States federal agency for eligible energy efficiency and demand response technologies. These projects will allow researchers to continue their technology development in either applied research, or demonstration and deployment, without losing momentum or pausing to fundraise from private sources.

Up to \$15 million in Electric Program Investment Charge (EPIC) funding is available for the agreements resulting from this solicitation, in:

- Group 1: Energy Efficiency Applied Research and Development (\$10 million available funding).
- Group 2: Energy Efficiency Technology Demonstration and Deployment (\$5 million available funding).

As the Energy Commission reserves the right to increase, reduce or shift funding among the groups to make additional awards, the Energy Commission is adding \$3,849,329 to this solicitation for a total funding amount of \$17,516,433. Of this amount, \$13,849,329 is for Group 1, and \$3,667,104 is for Group 2.

The Energy Commission received thirty-two applications by the due date of April 19, 2018. Each application was screened, reviewed, evaluated, and scored using the criteria in the solicitation. Twenty applications passed the Stage One Application Screening.

The attached "Notice of Proposed Award" identifies the applicants recommended for funding by Energy Commission staff and includes the recommended funding amount and score.

Funding of the 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 grant agreements. If the Energy Commission is unable to timely 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, reduce, or shift funding among the groups to make additional awards 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 Kevyn Piper at (916) 654-4845 or Kevyn.Piper@energy.ca.gov.

Kevyn Piper
Commission Agreement Officer
California Energy Commission
1516 Ninth Street, MS-18
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GFO-17-308**

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**Notice of Proposed Award
Wednesday, August 8, 2018**

Group 1: Energy Efficiency Applied Research and Development

Group Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Proposed Award							
1	Ubiquitous Energy, Inc.	Accelerating Commercialization of Advanced Energy Efficient Windows	\$ 2,998,055	\$ 2,998,055	\$ 4,310,659	96.60	Awardee
2	Glint Photonics, Inc.	High Efficiency Dynamic Lighting Systems	\$ 1,999,990	\$ 1,999,990	\$ 200,064	87.50	Awardee
3	MicroBio Engineering, Inc.	Improving Energy Efficiency and Performance of Wastewater Recycling	\$ 1,550,227	\$ 1,550,227	\$ 160,000	87.40	Awardee
4	Porifera, Inc.	Energy and Water Savings in Food and Beverage Wastewater Reuse	\$ 1,777,132	\$ 1,777,132	\$ 195,000	86.70	Awardee
5	Lucent Optics, Inc.	Ultra-thin Flexible LED Lighting Panels	\$ 1,692,069	\$ 1,692,069	\$ 169,207	86.60	Awardee
6	Porifera, Inc.	Energy Savings at Wineries Through Osmotic Control of Brix and Alcohol	\$2,061,293	\$2,061,293	\$225,862	86.30	Awardee
7	SkyCool Systems, Inc.	Radiative Sky Cooling-Enabled Efficiency Improvements on Commercial Cooling Systems	\$1,770,563	\$1,770,563	\$319,000	85.80	Awardee
Total Funding Recommended			\$13,849,329	\$13,849,329	\$5,579,792		
Passed but Not Funded							
Group Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
8	Wasatch Collaborating	EPIC Chair	\$1,439,680		\$145,000	85.20	Finalist
9	Extensible Energy, Inc.	Commercial Load Balancing Software	\$3,000,000		\$300,000	85.10	Finalist
10	Flometrics, Inc.	Next Generation Data Center Liquid Cooling	\$2,634,178		\$292,686	83.70	Finalist
Total			\$7,073,858	\$0	\$737,686		



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Group Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Did Not Pass							
	Siemens Corporation	Price-mediated, Automated Demand Response for Commercial Buildings with Differentiated Automation Systems	\$1,700,000		\$170,000		Did Not Pass
	Andromeda Power	Building Energy Management System with Demand Response Gateway (BEMS-DRG)	\$2,802,021		\$350,000		Did Not Pass
	ES Engineering Services	Demonstration of a Low-energy and Efficient Treatment System for Selenium and Other Contaminants Removal Using an Innovative Hybrid Biosorption Process	\$2,199,130		\$471,488		Did Not Pass
	Lucid Design Group, Inc.	Accelerating Energy Savings in Commercial Buildings through Prescriptive Portfolio-wide Energy Conservation Measure Prioritization	\$2,000,000		\$200,000		Did Not Pass
	Terzo Power Systems, Inc.	Distributed Smart Pump Network with Real Time Efficiency Optimization Software	\$3,000,000		\$400,000		Did Not Pass
	Hi-Z Technology, Inc.	Reducing Electricity Consumption with Thermoelectrics	\$2,000,000		\$200,000		Did Not Pass
	Flex Power Control, Inc.	System Integrated Distributed Energy Resource Management Platform (DERMP) Optimization and Commercialization Program	\$2,999,851		\$300,000		Did Not Pass
	Total		\$16,701,002	\$0	\$2,091,488		



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Disqualified							
	Alumina Energy, LLC	Alumina Packed Bed Thermal Energy Storage Technology for Solar Energy Per Demand System – Phase II of a Quad-Gen System.	\$2,999,420		\$606,414		Disqualified
	Antelope Valley Water Storage, LLC	Demand Response Using Virtual Pumped Storage	\$2,200,000		\$220,900		Disqualified
	BlocPower LLC	Integrating Building Science + Financial Feasibility Data and Analytics to Finance Energy Efficiency Projects in California's Financially Underserved Communities	2,034,000		\$291,000		Disqualified
	Cellink Corporation	High Conductance Flexible Circuits for Clean Power Devices	\$2,827,000		\$1,285,190		Disqualified
	Feasible Inc.	Acoustic Analysis for Improved Battery Quality and Performance	\$1,023,718		\$175,000		Disqualified
	Mark Miles Consulting, Inc.	Manufacturing and Systems Development for Solar Thermal Infrastructure	\$1,122,404		\$240,079		Disqualified
	MOEV, Inc.	Efficient DR with Aggregated DER Management and Shimmy Support	\$1,006,450		\$105,000		Disqualified
	Opus 12 Incorporated	Carbon Dioxide Utilization for Increased Grid-Scale Energy Efficiency	\$1,629,661		\$1,802,452		Disqualified
	ProsumerGrid, Inc.	DER Integrated Grid Planning Studio	\$3,000,000		\$333,333		Disqualified
	SAFCeLL, Inc.	Solid Acid Natural Gas Fuel Cell Module as Micro CHP	\$2,412,647		\$278,589		Disqualified
	Sepion Technologies, Inc.	Polysulfide-blocking Polymer Membranes for Ultra-low Cost Aqueous Sulfur Energy Storage Systems	\$2,996,506		\$403,080		Disqualified
	Sigmagen, Inc.	Rapidly Deployable and Transportable High-Power-Density Smart Power Generators	\$3,000,000		\$300,000		Disqualified
		Total	\$26,251,806		\$6,041,037		
		Grand Total	\$63,875,995	\$13,849,329	\$14,450,003		



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Group 2: Energy Efficiency Technology Demonstration and Deployment

Group Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Proposed Award							
1	Heliotrope Technologies, Inc.	Building Energy Impact Analysis of Low Cost NanoEC Electrochromic Window Control Algorithm Optimization	\$ 3,667,104	\$ 3,667,104	\$ 952,276	84.10	Awardee
Total Funding Recommended			\$3,667,104	\$3,667,104	\$952,276		

Group Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Did Not Pass							
	OhmConnect, Inc.	Power to the People: Connecting Smart Homes to the Smart Grid in Disadvantaged Communities via Automated Efficiency Tools and Demand Response	\$3,822,465		\$1,437,955		Did Not Pass
	Universal Devices, Inc.	Self-Managing, Autonomous, and Smart Homes Assistant (SASHA)	\$4,982,820		\$1,635,880		Did Not Pass
Total			\$8,805,285		\$3,073,835		
Grand Total			\$12,472,389	\$3,667,104	\$4,026,111		