

CALIFORNIA ENERGY COMMISSION

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

**NOTICE OF PROPOSED AWARD (NOPA)
AMENDED****2016 Natural Gas Energy Efficiency Research Grants for Residential and Commercial
Buildings
Phase 1, Groups A-C
GFO-16-502
September 23, 2016
October 20, 2016**

On June 29, 2016, the California Energy Commission (Energy Commission) released the first phase of a competitive solicitation to fund applied research, development and demonstration projects that focus on improving the efficiency of water heating and distribution systems, building envelope and HVAC systems and integration of systems that can serve multiple purposes. Up to \$5,679,439 in Natural Gas Program funding is available to fund applications in the following project groups:

- Group A: Advanced Water Heating System Demonstrations
- Group B: Advanced HVAC and Building Envelope Demonstrations
- Group C: Integrated Natural Gas System Demonstrations
- Group D: Applied Research Strategies for Appliances, Zero Net Energy Buildings and Codes and Standards

Phase 1 covered Groups A to C. Phase 2 will cover Group D. Information on Phase 2 will be released in an upcoming notice.

For Phase 1, the Energy Commission received two proposals for Group A, three proposals for Group B, and two proposals for Group C for a total of seven proposals by the due date of August 19, 2016. Each proposal was screened, reviewed, evaluated and scored using the criteria in the solicitation. Six proposals passed the Stage One Application Screening.

The attached "Notice of Proposed Awards" 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 \$1,837,835. The total amount recommended for Group B is \$1,966,707. The total amount recommended for Group C is \$864,294.

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 Brad Worster at (916) 654-4299 or Brad.Worster@energy.ca.gov

Brad Worster
Commission Agreement Officer



California Energy Commission

GFO-16-502

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Phase 1, Groups A-C

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Group A: Advanced Water Heating System Demonstrations

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Group A Proposed Awards							
1	Energx Controls, Inc.	Comprehensive, High Efficiency Solution for Water Heating in Multi-Family Buildings	\$753,605	\$753,605	\$192,840	82.75	Awardee
2	Gas Technology Institute	Demonstration and Assessment of Residential Gas Heat Pump Water Heaters	\$1,084,230	\$1,084,230	\$310,500	78.80	Awardee
Total Funding Recommended			\$1,837,835	\$1,837,835	\$503,340		

Group B: Advanced HVAC and Building Envelope Demonstrations

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Group B Proposed Awards							
1	Advanced Microgrid Solutions, Inc.	Integrated Approach to Reduce Natural Gas Use in High-Consuming Commercial Buildings	\$1,216,707	\$1,216,707	\$902,460	88.25	Awardee
2	Gas Technology Institute	Demonstration of Advanced High-Efficiency, Low Capacity HVAC Systems	\$750,000	\$750,000	\$182,000	87.45	Awardee
Total Funding Recommended			\$1,966,707	\$1,966,707	\$1,084,460		



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Group B Passed but Not Funded							
3	Electric Power Research Institute	Integrated Space Conditioning Gas Efficiency in Mass Market Homes	\$1,498,568	\$0	\$309,941	81.23	Finalist
Total			\$1,498,568	\$0	\$309,941		

Group C: Integrated Natural Gas System Demonstrations

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Group C Proposed Awards							
1	Gas Technology Institute	Low-Cost Gas Heat Pumps for Integrated Commercial Hot Water and Air-Conditioning in Restaurants	\$864,294	\$864,294	\$265,500	82.61	Awardee
Total Funding Recommended			\$864,294	\$864,294	\$265,500		
Did Not Pass							
	<u>Lifetime Energy LLC</u>	<u>Demonstration of Solar-Thermal-Assisted Absorption-Chiller-Based Cooling (HVAC) and Water Heating (Pools) for Life Time Fitness Gym</u>	<u>\$1,199,187</u>	<u>\$0</u>	<u>\$200,746</u>		<u>Did Not Pass</u>



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<i>Disqualified</i>							
	Lifetime Energy LLC	Demonstration of Solar-Thermal-Assisted Absorption Chiller-Based Cooling (HVAC) and Water Heating (Pools) for Life-Time Fitness-Gym	\$1,199,187	\$0	\$200,746		Disqualified
Grand Total			\$7,366,591	\$4,668,836	\$2,363,987		