

CALIFORNIA ENERGY COMMISSION

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

**NOTICE OF PROPOSED AWARD (NOPA)**

**Group 1: Applied Research and Development
Advancing Water and Energy Efficient Strategies and Technologies in California
GFO-15-317
April 28, 2016**

On November 20, 2015, the California Energy Commission (Energy Commission) released a competitive solicitation titled “Advancing Water and Energy Efficient Strategies and Technologies in California” under the Electric Program Investment Charge (EPIC). Up to \$15,000,000 of EPIC funding is available to fund applications in the following project groups:

- Group 1: Applied Research and Development
- Group 2: Technology Demonstration and Deployment
- Group 3: Market Facilitation

This NOPA identifies selected projects for Group 1 only. A NOPA for Group 2 was posted March 11, 2016 and an Amended NOPA for Group 2 was posted on April 20, 2016. A NOPA for Group 3 was posted on March 3, 2016.

The Energy Commission received 16 proposals for Group 1 by the due date of February 8, 2016. Each proposal was screened, reviewed, evaluated and scored using the criteria in the solicitation. All 16 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 1 is \$5,867,521.

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 Phil Dyer at (916) 654-4651 or Phil.Dyer@energy.ca.gov

Phil Dyer
Commission Agreement Officer



California Energy Commission

GFO-15-317

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April 28, 2016

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Proposed Awards							
1	UC Davis	Improving Water and Energy Efficiency in California's Dairy Industry	\$1,000,000	\$1,000,000	\$164,710	87.87	Awardee
2	Porifera Inc.	The dprShield Water Treatment System for Fail-Safe Low-Energy Direct Potable Water Reuse	\$999,795	\$999,795	\$144,784	87.78	Awardee
3	Kennedy/Jenks Consultants, Inc.	Novel Amphiphilic, Anti-adhesive Membrane to Improve Energy Efficiency and Increase Water Yield during Membrane Treatment	\$882,430	\$882,430	\$98,600	85.50	Awardee
4	ES Engineering Services, LLC	Low Energy, Zero Liquid Discharge Adsorption Technology to Remove Contaminations and Recover Source Water	\$986,262	\$986,262	\$198,890	85.08	Awardee
5	Altex Technologies Corporation	Power and Water Saving Advanced Hybrid Air/Wet Cooling System	\$999,994	\$999,994	\$187,207	84.01	Awardee
6	Lawrence Livermore National Security, LLC	A New Solution to California's Energy and Water Challenges: Reducing the Cost of Desalination and Increasing Water Reuse	\$999,040	\$999,040	\$17,983	81.43	Awardee
Total			\$5,867,521	\$5,867,521	\$812,174		



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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	Fisher Nickel, Inc.	Advanced Commercial Dishwasher Technologies for Foodservice Facilities	\$670,282	\$0	\$174,472	80.25	Finalist
8	EPRI	Energy Efficiency and Water Savings in Cooling Towers for Commercial and Industrial Facilities in California	\$999,738	\$0	\$99,996	80.07	Finalist
Total			\$1,670,020	\$0	\$274,468		
Did Not Pass							
	Calliope Waterworks, Inc.	Using a Whole-House Water Meter and App to Reduce Indoor Water and Energy Demand in California's Residential Sector	\$1,000,000	\$0	\$337,700		Did Not Pass
	CSU Fresno	Water and Energy Platform (WEP) to Enhance Farm Efficiency	\$999,844	\$0	\$0		Did Not Pass
	Nrgtek, Inc.	Low-Cost, Low-Energy Water Treatment/Purification	\$700,000	\$0	\$131,798		Did Not Pass
	UC Merced	Development of a Solar Powered Regenerative Energy System for an On-Demand Water Irrigation System	\$1,000,000	\$0	\$315,000		Did Not Pass
	River Road Research	Saving California's Water and Energy: Animal Feedstock Production by Algae Farming	\$773,659	\$0	\$169,300		Did Not Pass
	USC	A Hybrid Chemical Energy Recuperation –Thermal Evaporation System for Energy Savings and Water Reuse	\$1,000,000	\$0	\$345,995		Did Not Pass
	MicroBio Engineering, Inc.	Increasing reclaimed water supplies with low energy, low cost wastewater treatment technology	\$679,338	\$0	\$93,627		Did Not Pass



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	Water and Energy Symbiosis Technology, LLC	Water and Energy Symbiosis Technology	\$960,000	\$0	\$97,000		Did Not Pass
Total			\$7,112,841	\$0	\$1,490,420		
Grand Total			\$14,650,382	\$5,867,521	\$2,577,062		