

**CALIFORNIA ENERGY COMMISSION**

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



**November 10, 2014**  
**PON-14-304**

**Stage One Results**

**2014 Electric Program Investment Charge  
Bringing Energy Efficiency Solutions to California's  
Industrial, Agriculture and Water Sectors**

On August 13, 2014 the California Energy Commission (Energy Commission) released a competitive grant solicitation for deployment of energy efficient solutions to California's Industrial, Agricultural and Water sectors. The solicitation was structured as a two-stage solicitation and announced that up to \$27.3 million in Electric Program Investment Charge (EPIC) funding was available.

Stage One was a request for qualification, which consisted of an eight (8) page project abstract (along with additional supporting documents) that was scored on a pass/fail basis. Stage One ensures that only those technologies that are most needed in California's market and are the most appropriate for an industrial, agricultural or water/wastewater deployment will continue to Stage Two and the development of full proposals.

This notice is being mailed to all parties who submitted an abstract to this solicitation and is also posted on the Energy Commission website <http://www.energy.ca.gov/contracts>.

For further information, please contact Michael Poe at (916) 654-4809 or [Michael.Poe@energy.ca.gov](mailto:Michael.Poe@energy.ca.gov).



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Abstract Number*	Applicant	Project title	Pass/Not Pass
1	Water FX, Inc	Ultra-high Recovery Solar Desalination	Not Pass
2	Cascade Clean Energy, Inc	Integrated Process of Cutting Energy Consumption of Wastewater Treatment and Generating Electricity from Wastewater Sludge	Not Pass
3	University of California, Davis (Center for Water Efficiency)	Real-time Monitoring of Water And Energy Losses in Water Infrastructure	Pass
4	BrightSol, LLC	Optimizing Lighting Efficiency and Energy Conservation in California's Commercial and Industrial Buildings	Not pass
5	University of California, Davis	Industrial Water Energy Nexus Assessment Technology	Not Pass
6	CO2 Nexxus	Energy Efficient CO2 Clean-room Garment Processing	Not Pass
7	Hazen and Sawyer	Towards Reducing Energy Demand at Water Resource Reclamation Facilities-Deploying Pre-commercial Ion Exchange Technology for Nutrient Removal and/or Recovery	Pass
8	Purdue University	Optimization of UV Disinfection Systems for Use in Treatment of Municipal Wastewater, Wastewater Reuse, and Drinking Water Applications	Not Pass
9	Stanford University (Resubmitted as Proposal #12)	Socially Responsible Data Center Cooling Utilizing Return Water for the Small to Medium Enterprise	_____
10	University of California, Davis	Improving Cooling Efficiency in California's Dairy Industry	Not Pass
11	Cal Poly Corporation	Active Integrated Walls and CSP Combined Cooling for Post-harvest Facilities	Not Pass
12	Stanford University	Socially Responsible Data Center Cooling Utilizing Return Water for the Small to Medium Enterprise	Not Pass
13	Porifera, Inc.	Water and Energy Savings Utilizing Innovative Forward Osmosis Systems for Irrigation and Indirect Potable Reuse	Pass
14	UC Riverside	Bringing Energy Efficiency Solutions to California's Water Sector with the use of Customized Energy Management and Supervisory and Data Acquisition System	Pass
15	GTI (Resubmitted as Proposal #30)	Integrated Gas Quality Sensor/Air Fuel Ratio Control System for Reduced Emissions and Increased Availability at Stationary Biogas Fueled IC Engines Used in Power Generation	_____

\*Abstract Number is used for internal tracking and does not represent ranking of the submitted abstracts



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16	GTI (Resubmitted as Proposal #33)	Field Demonstration of the Industrial Wastewater Recovery and Reuse for Food Processing and Agricultural Applications	_____
17	Porifera, Inc.	Water and Energy Savings Through Osmotic Concentration of Products and Waste in Food and Beverage Industry	Pass
18	Regents of the University of California	Unlocking Industrial Energy Efficiency through Optimized Energy Management Systems	Pass
19	HydroFreeze a division of Ramco Consulting Co., Inc.	Clathrate Freeze Desalinization Project	Not Pass
20	Eastern Municipal Water District	Combined Heat and Power Technology for Reduced Grid Demand	Not Pass
21	GDRU Energy solutions LLC (dba Wexus Technologies)	Wexus Energy & Water Management Mobile Software Pilot	Pass
22	Energy Concepts, LLC	Thermosorber for Efficient Integrated Process Chilling and Heating	Pass
23	ADS Algae LLC	Magnetic Algae to Biofuels	Not Pass
24	Advantageous Systems LLC	ADS Arsenic Removal Water Treatment Technology	Not Pass
25	Cleantech Institute, Inc	An Energy-efficient and Low-cost Electric Vehicle DC Fast Charging Station	Not Pass
26	Filmax Inc., dba BKT United	Gravity Based, Low Energy Biofilter for Nitrogen and Other Contaminant Removal in Water and Wastewater	Pass
27	University of California Irvine	Internet of Water: Intelligent Drought Proof Irrigation for California	Not Pass
28	Electricore, Inc	Mobile Unmanned Air System for Moisture Content Detection in Agriculture	Not Pass
29	Cascade Clean Energy, Inc	An Integrated Process of Cutting Energy Consumption of Wastewater Treatment and Generating Electricity from Water	Not Pass
30	GTI	Integrated Gas Quality Sensor/Air Fuel Ratio Control System for Reduced Emissions and Increased Availability at Stationary Biogas Fueled IC Engines Used in Power Generation	Not Pass
31	Quantitative BioSciences, Inc.	Energy Efficient Algae-based Treatment of Dairy Wastewater	Not Pass
32	Kennedy/Jenks Consultants, Inc.	Improving Membrane Treatment Energy Efficiency Through Monitoring and Removal of Colloidal Particle Foulants	Pass
33	GTI	Field Demonstration of the Industrial Wastewater Recovery and Reuse for Food Processing and Agricultural Applications	Not Pass
34	Pow Wow Energy, Inc.	Irrigation Optimization and Well Pump Monitoring Leveraging Smart Meter Data	Pass

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35	Lawrence Berkeley National Laboratory	Streamlined End Use Specific Industrial Demand Response Tool	Not Pass
36	Lawrence Berkeley National Laboratory	Demonstration of Energy Management Systems in Small to Midsized Manufacturing Facilities	Not Pass
37	Lawrence Berkeley National Laboratory	Agricultural Irrigation Energy and Water Management Tool Demonstration	Not Pass
38	Lawrence Berkeley National Laboratory	Demonstration of the Use of Direct Current Power In Data Centers	Not Pass
39	Lawrence Berkeley National Laboratory	High Efficiency Data Center Demonstration	Not Pass
40	Lawrence Berkeley National Laboratory	Advanced Data Center Infrastructure and Integrated Control System Demonstrations	Not Pass
41	Kennedy/Jenks Consultants Inc.	Raw Wastewater Filtration for Carbon Diversion to Achieve Significant Electricity Savings at Wastewater Treatment Plants	Pass
42	Sierra Institute for Community and Environment	Plumas Biomass Energy Action Plan	Not Pass
43	Humboldt State University Sponsored Programs Foundation	Engineered Osmosis Assisted Seawater RO Desalination for Energy Reduction and Enhanced Water Recovery	Pass
44	San Marino Venture Group	Energy Efficient Modular WW Treatment Systems for Decentralized Applications	Not Pass
45	EPRI	Optimization of the Water and Energy Processes for Economic, Environmentally Friendly and Efficient Farming	Not Pass
46	EPRI	Demonstration of Efficient Retrofit Technologies for Direct Expansion Cooling Systems in Data Centers	Not Pass
47	EPRI	A Breakthrough Solution for Comprehensive Energy-water Management of California Water Utilities	Not Pass
48	EPRI	Water, Energy and Demand Savings in California Using Sap Flow Monitoring in Fruit Cultivation	Not Pass
49	Astek	Demonstration of a Low-cost Data Center Liquid Cooling with 12 Month Payback	Pass

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