

**CALIFORNIA ENERGY COMMISSION**

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SACRAMENTO, CA 95814-5512  
www.energy.ca.gov



**NOTICE OF PROPOSED AWARDS (NOPA)**  
**Hybrid Generation and Fuel-flexible Distributed Generation/Combined Heat and Power/Combined Cooling, Heat and Power (DG/CHP/CCHP) Systems**  
**Grant Solicitation PON-11-507**  
**March 22, 2012**

On January 6, 2012, the California Energy Commission's Public Interest Energy Research (PIER) Program released a Program Opportunity Notice (PON-11-507) entitled "Hybrid Generation and Fuel-flexible Distributed Generation/Combined Heat and Power/Combined Cooling, Heat and Power (DG/CHP/CCHP)." The purpose of this competitive Solicitation is to fund research, development and demonstration (RD&D) projects that will: (1) advance the science, technology and market penetration in California of grid-connected distributed generation/combined heat and power/combined cooling, heating and power (DG/CHP/CCHP); and (2) integrate emerging multiple DG/CHP/CCHP technologies, including energy storage and fuel flexibility, in diversified applications. The solicitation announced that an estimated \$5,000,000 in funding was available for a maximum award size of \$2,000,000 per project.

The proposals were screened, reviewed, evaluated, and scored using the criteria prescribed in the solicitation. Based on the Review Team's scores and suggested funding level, the Energy Commission proposes to award \$5,000,000 and fund four (4) out of six (6) passing projects under this solicitation. Of the four awardees, three are recommended to receive full award and one partial award. However, should additional funds be made available, the partial award **may** be made into full award and the remaining passing projects **may** also receive funding. This Notice of Proposed Awards is hereby issued pursuant to those recommendations.

The attached table titled "Notice of Proposal Awards and Results of Submitted Proposals" identifies each of the applicants recommended to receive funding, the project title, the recommended amount of Energy Commission funding, and scoring information.

Applicants identified for funding in the Notice of Proposed Awards must complete and return (return means received by the Energy Commission - not postmarked) required agreement documents and confirm their agreement to the terms and conditions to the Energy Commission's Contracts and Grants Office by 4:00 PM on April 4, 2012. The required agreement documents that applicants must submit by this date are the Statement of Work, the budget exhibits consistent with the Statement of Work, and the Schedule of Products and Due Dates Exhibits consistent with the Statement of Work. All documents must follow the required templates. To confirm that the Applicant agrees to the terms and conditions, the Applicant must submit a signed form indicating such agreement. If an Applicant misses this deadline, or meets the deadline and otherwise cannot successfully execute an agreement, the Energy Commission, at its sole discretion, reserves the right to cancel the pending award and fund the next highest ranked eligible project from the NOPA.

Final approval of these awards rests with the Energy Commission, which will consider each project at a publicly noticed Business Meeting at the Energy Commission in Sacramento, California.

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

For further information about this matter, contact Pablo S. Gutierrez at (916) 327-1542, [pgutierr@energy.state.ca.us](mailto:pgutierr@energy.state.ca.us).



## California Energy Commission PON-11-507



### Notice of Proposed Awards and Results of Submitted Proposals Hybrid Generation and Fuel-flexible Distributed Generation/Combined Heat and Power/Combined Cooling, Heat, and Power (DG/CHP/CCHP) Systems

Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	Match Funds	Score Status
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**Proposed Awards**

1	ZERE Energy and Biofuels, Inc.	Novel Flex Fuel Oxidation for Distributed Generation	\$998,346.00	\$998,346.00	\$437,500.00	<b>Awardee</b>
2	Southern California Gas Company	Combined Heat and Power with Thermal Storage for Modern greenhouses	\$1,502,699.00	\$1,502,699.00	\$901,080.00	<b>Awardee</b>
3	University of California, Irvine	Megawatt High Efficiency, Ultra-Low Emission Hybrid Fuel Cell Gas Turbine	\$1,842,523.00	\$1,842,523.00	\$614,283.00	<b>Awardee</b>
<b>4*</b>	Gas Technology Institute	Fuel-Flexible, Hybrid CHP at San Bernardino Municipal Water Department	\$1,767,185.00	\$656,432.00		<b>Awardee</b>
<b>5*</b>	Altex Technologies Corporation	Tri-generation Energy System Technology (TRIEST)	\$1,739,118.70			<b>Finalist</b>
<b>6*</b>	Biodico, Inc.	Renewable Cogeneration from Production Byproducts & Sunlight	\$2,000,000.00			<b>Finalist</b>

**Did not Pass**

Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	Match Funds	Score Status
0	CHA Corporation	DG/CHP for Flex Fuel (Biomass and Waste)	\$620,622.00			<b>Did not pass</b>
0	Solar Stream Innovations, LLC	Rooftop Fuel-Flexible Solar Thermal and Natural Gas CHP System	\$1,347,320.00			<b>Did not pass</b>



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Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	Match Funds	Score Status
0	Interra Energy, Inc.	Development of Carbon-Negative Renewable Flex-Fuel CHP Hybrid	\$1,112,367.00			<b>Did not pass</b>
0	Colony Energy Partners	Colony Energy Partners Tulare Sustainable Renewable Energy	\$1,500,000.00			<b>Disqualified - Screening</b>
0	Xnergy	Combined Cooling, Heating, and Power for University of California, Irvine	660,000.00			<b>Disqualified - Screening</b>
0	University of California, Irvine	A Low Cost, Fuel Flexible Rotary Engine DG/CHP System	\$996,558.00			<b>Disqualified - Screening</b>
0	Pacific Oil Products	Commercial Scale Algae Demonstration Project	\$2,000,000.00			<b>Disqualified - Screening</b>

**\* Projects 4 to 6 may be awarded the full requested amount if additional funds are made available.**