

## CALIFORNIA ENERGY COMMISSION

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

**NOTICE OF PROPOSED AWARD (NOPA)****Electric Program Investment Charge Demonstrating Bioenergy Solutions That Support California's Industries, the Environment, and the Grid****PON-14-305****Amended August 26, 2015**

On August 12, 2014, the California Energy Commission (Energy Commission) released a competitive solicitation to fund technology demonstration and deployment projects that demonstrate and appraise the operational and performance characteristics of pre-commercial biomass conversion technologies, generation systems, and development strategies.<sup>1</sup> Electric Program Investment Change (EPIC) funding is available to fund applications in:

- Group 1: Advanced Pollution Control Equipment and Low Emission Generators;
- Group 2: Fuel Handling and Delivery Systems or Technologies;
- Group 3: Biochemical Conversion Technologies or Deployment Strategies;
- Group 4: Thermochemical Conversion Technologies or Deployment Strategies

The Energy Commission received 23 proposals by the due date of November 7, 2014. Each proposal was screened, reviewed, evaluated and scored using the criteria in the solicitation. Nineteen proposals passed the Stage One Application Screening.

The attached **amended** "Notice of Proposed Awards" identifies each applicant selected and recommended for funding by Energy Commission staff and includes the recommended funding amount. The full amount of solicitation funding recommended is ~~\$29,011,030~~ **\$27,511,030**.

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) remove or shift funding between the different groups if there are insufficient passing proposals in one group and

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<sup>1</sup> The first Electric Program Investment Charge (EPIC) plan can be found here:

[http://www.energy.ca.gov/research/epic/documents/final\\_documents\\_submitted\\_to\\_CPUC/2012-11-01\\_EPIC\\_Application\\_to\\_CPUC.pdf](http://www.energy.ca.gov/research/epic/documents/final_documents_submitted_to_CPUC/2012-11-01_EPIC_Application_to_CPUC.pdf) Strategic Objective 13.1 is described on pages 147-151.

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/](http://www.energy.ca.gov/contracts/).

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For information, please contact Sandra Raymos: (916) 654-4584, [Sandra.Raymos@energy.ca.gov](mailto:Sandra.Raymos@energy.ca.gov) .

**Sandra Raymos**

Commission Agreement Officer

Attachment 1 - Project Group NOPA Tables

**California Energy Commission  
PON-14-305**

Electric Program Investment Charge Demonstrating Bioenergy Solutions That  
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Project Group 1: Advanced Pollution Control Equipment and Low Emission Generators

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Rank	Prime Applicant	Title	Funds Requested	Funds Recommended	Match Funds	Score	Award Status
<b>Proposed Awards</b>							
1	The Regents of the University of California; University of California, Irvine	Pollution Control and Power Generation for Low Quality Renewable Fuel Streams	\$1,499,386	\$1,499,386	\$438,345	78.7	Awardee
2	Recology Bioenergy	Hay Road Low-Emission Renewable Power Generation System	\$1,500,000	\$1,500,000*	\$1,067,029	76.9	Awardee Declined
<b>Total Funding Recommended</b>				<del>\$2,999,386*</del> <b>\$1,499,386</b>			
* Conditional Approval - Amount may be lowered or award may be cancelled based on future discussions regarding requested funds.							
<b>Did Not Pass</b>							
3	ABEC Bidart-Stockdale-LLC (ABEC Stockdale)	CALBIO 2G BETA "Ultra Low NOx" Biogas Cogeneration Module	\$1,275,715	\$0	\$543,790	48.0	Did not pass
4	Biogas & Electric, LLC	Emissions Control for a Biogas Engine at a Dairy in San Joaquin Valley Air Pollution Control District	\$1,349,874	\$0	\$8,000,000	47.0	Did not pass

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Project Group 2: Fuel Handling and Delivery Systems or Technologies

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Rank	Prime Applicant	Title	Funds Requested	Funds Recommended	Match Funds	Score	Award Status
<b>Did Not Pass</b>							
1	Community Power Corporation	Glenn Biomass Generation Project	\$2,000,000	\$0	\$2,862,407	37.0	Did not pass
<b>Total Funding Recommended</b>				\$0			

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**Project Group 3: Biochemical Conversion Technologies or Deployment Strategies**

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Rank	Prime Applicant	Title	Funds Requested	Funds Recommended	Match Funds	Score	Award Status
<b>Proposed Awards</b>							
1	ABEC #3 LLC, dba Lakeview Farms Dairy Biogas	The Lakeview Farms Dairy Biogas – to – Electricity Projects	\$4,000,000	\$4,000,000	\$4,500,000	96.0	Awardee
2	ABEC #2 LLC, dba West Star North Dairy Biogas	The West Star North Dairy Biogas – to – Electricity Projects	\$4,000,000	\$4,000,000	\$5,000,000	94.0	Awardee
3	Organic Energy Solutions	Organic Energy Solutions Community Scale Digester with Advanced Interconnection to the Electric Grid	\$5,000,000	\$5,000,000	\$7,772,939	91.6	Awardee
4	Kennedy/Jenks Consultants	Lowering Food-Waste Co-digestion Costs through an Innovative Combination of a Pre-Sorting Technique and a Strategy for Cake Solids Reduction	\$1,496,902	\$1,496,902	\$2,630,000	90.1	Awardee
5	Biogas & Electric, LLC	Installation of a Lean Burn Biogas Engine with Emissions Control to Comply with Rule 1110.2 at a Wastewater Treatment Plant in South Coast air Quality	\$2,249,322	\$2,249,322	\$450,000	83.3	Awardee
6	Lawrence Berkeley National Laboratory	Enabling Anaerobic Digestion Deployment for Municipal Solid Waste-to-Energy	\$4,300,000	\$4,300,000	\$1,500,000	82.7	Awardee
<b>Total Funding Recommended</b>				<b>\$21,046,224</b>			

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Project Group 3: Biochemical Conversion Technologies or Deployment Strategies

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Rank	Prime Applicant	Title	Funds Requested	Funds Recommended	Match Funds	Score	Award Status
<b>Did Not Pass</b>							
7	MSB Investors, LLC affiliate of Mustang Renewable Power Ventures, LLC (individually and/or collectively, "Mustang")	Tajiguas Resource Recovery Project	\$3,500,000	\$0	\$3,500,000	47.7	Did not pass
8	Biogas Energy, Inc.	Advanced Anaerobic Digestion New Technology Deployment	\$2,639,320	\$0	\$647,850	46.7	Did not pass
9	Anaergia Services LLC	High Solid Anaerobic Digestion of MSW Organics	\$3,949,644	\$0	\$4,520,972	46.7	Did not pass
10	Biodico Westside, LLC	Improving the Economic Viability of Dairy Digesters in California	\$4,610,651	\$0	\$5,604,787	43.3	Did not pass

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Project Group 4: Thermochemical Conversion Technologies or Deployment Strategies

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Rank	Prime Applicant	Title	Funds Requested	Funds Recommended	Match Funds	Score	Award Status
<b>Proposed Awards</b>							
1	The Watershed Research and Training Center	North Fork Community Power Forest Bioenergy Facility	\$4,965,420	\$4,965,420*	\$1,169,216	73.1	Awardee
				<b>Total Funding Recommended</b>	<b>\$4,965,420*</b>		
* Conditional Approval - Amount may be lowered or award may be cancelled based on future discussions regarding requested funds.							
<b>Did Not Pass</b>							
2	Renewable Energy Institute International	Demonstration of Thermochemical Conversion of biomass for the Economical Production of Renewable Power	\$4,984,432	\$0	\$8,270,278	68.5	Did not pass
3	SHEETA Global Technology Corporation (SGTC)	Integrated Air-blown Biomass Thermochemical Unit for Power Generation	\$4,252,228	\$0	\$1,064,425	45.3	Did not pass
4	Synagro – WWT, Inc	Thermochemical Conversion Technology Demonstration Project for the CEC	\$5,000,000	\$0	\$6,750,000	44.8	Did not pass

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**Project Group 4: Thermochemical Conversion Technologies or Deployment Strategies**

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Rank	Prime Applicant	Title	Funds Requested	Funds Recommended	Match Funds	Score	Award Status
<b>Disqualified – All from Group 4</b>							
0	Prairie Fire LLC	Project Frontrunner	\$4,229,482	\$0	\$ 874,000	N/A	Disqualified
0	FuelCell Energy, Inc.	Advanced Solid Oxide Fuel Cell Power Generator Fueled by Renewable Biogas	\$3,664,740	\$0	\$2,104,068	N/A	Disqualified
0	Biogenic Energy LLC	Biogenic Energy's Hydrothermal Liquefaction Power Plant	\$5,000,000	\$0	\$9,600,000	NA	Disqualified
0	All Power Labs, Inc.	Using Small Scale Biomass Gasification To Convert Forest Fire Remediation Waste Into Affordable Community Energy and Biochar	\$2,896,562	\$0	\$675,662	N/A	Disqualified