

CALIFORNIA ENERGY COMMISSION

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



NOTICE OF PROPOSED AWARD (NOPA)
Research and Demonstration to Decarbonize Transportation Fuels
Grant Solicitation GFO-16-901
May 17, 2017

On January 23, 2017, the California Energy Commission (Energy Commission) released a competitive solicitation to fund research and pre-commercial demonstration of fungible low-carbon fuel production processes. Up to \$15,000,000 in Low-Carbon Fuel Research and Development Program funding was available to support research and development for pilot-scale production of fungible low-carbon intermediate bio-oil fuel produced using advanced thermochemical conversion methods.

The Energy Commission received seven proposals by the due date of April 3, 2017. Each proposal was screened, reviewed, evaluated, and scored using the criteria in the solicitation.

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 is \$11,400,000.

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 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 Gordon Kashiwagi at (916) 654-5131, Gordon.Kashiwagi@energy.ca.gov.

Gordon Kashiwagi
Commission Agreement Officer



California Energy Commission

GFO-16-901

Research and Demonstration to Decarbonize Transportation Fuels

Notice of Proposed Award

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Rank	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Proposed Award	Match Funds	Score	Award Status
Proposed Awards							
1	Lawrence Livermore National Security, LLC	Wood-to-Fuel for California's Transportation Sector Using Autothermal Pyrolysis	\$5,700,000	\$5,700,000	\$1,696,787	76.4	Awardee
2	Biogas Energy Inc.	Conversion of Wood Biomass to Bio-Oil in an Ablative Fast Pyrolysis Reactor	\$5,700,000	\$5,700,000	\$1,710,000	70.8	Awardee
Total Funding Recommended			\$11,400,000	\$11,400,000	\$3,406,787		
Did Not Pass							
Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Proposed Award	Match Funds	Score	Award Status	
Green Earth Management, LLC.	Municipal Yard Waste into Bio-Oil	\$3,151,690	\$0	\$2,447,079		Did Not Pass	
Clean Green Hydrogen Power, Inc.	Forest Residue into Bio-Oil	\$3,151,690	\$0	\$2,447,079		Did Not Pass	
Mercurius Biorefining, Inc.	REACH Technology Demonstration Plant	\$5,700,000	\$0	\$3,475,000		Did Not Pass	
Biodico, Inc.	Biomass to Bio-Oil	\$3,193,362	\$0	\$1,667,700		Did Not Pass	
San Diego State University Research Foundation	Demonstration of Fungible Low-Carbon Bio-Crude Solution with Potential Wide Scale Adoption	\$3,004,678	\$0	\$752,444		Did Not Pass	
Total			\$18,201,420		\$10,789,302		
Grand Total			\$29,601,420	\$11,400,000	\$14,196,089		