

CALIFORNIA ENERGY COMMISSION

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www.energy.ca.gov



NOTICE OF PROPOSED AWARD (NOPA)
Renewable Intermediate Fuel Production for Jet Fuel in Heavy-Duty Transportation Sector
Grant Solicitation GFO-17-901
November 28, 2017

On August 11, 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 \$3,000,000 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 two proposals by the due date of October 13, 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 \$3,000,000.

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-17-901

Renewable Intermediate Fuel Production for Jet Fuel in Heavy-Duty Transportation Sector

Notice of Proposed Award

November 28, 2017

Rank	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Proposed Award	Match Funds	Score	Award Status
Proposed Awards							
1	West Biofuels, LLC	Agricultural and Woody Biomass to Jet Fuel Intermediate	\$3,000,000	\$3,000,000	\$1,321,000	75.9	Awardee
2	T2M Global, LLC	Co-production of Lower-Cost Bio-oil for Green Jet Fuel	\$2,999,480	\$0	\$2,530,000	74.3	Finalist
Total Funding Recommended			\$3,000,000	\$3,000,000	\$1,321,000		
Grand Total			\$5,999,480	\$3,000,000	\$3,851,000		



California Energy Commission

GFO-16-506

Off-Road Heavy-Duty Natural Gas Vehicle Research and Development

Notice of Proposed Award

January 23, 2017

Rank	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Proposed Award	Match Funds	Score	Award Status
Proposed Awards							
1	Gladstein, Neandross & Associates	Research and Development of Advanced Ultra-Low Emission Natural Gas Port Yard Trucks	\$1,399,681	\$1,399,681	\$49,001	104.1	Awardee
2	Olson-Ecologic Engine Testing Laboratories	Research, Development and Demonstration of Low-Emission CNG Engines for Construction Vehicles	\$1,500,000	\$1,500,000	\$1,970,000	93.3	Awardee
3	Terzo Power Systems, LLC.	CNG Hybrid Electric Systems for Off-Road Agricultural Vehicles	\$1,497,400	\$1,497,400	\$5,150	85.6	Awardee
Total Funding Recommended				\$4,397,081	\$2,024,151		



California Energy Commission

GFO-16-506

Off-Road Heavy-Duty Natural Gas Vehicle Research and Development

Notice of Proposed Award

January 23, 2017

Did Not Pass

Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Proposed Award	Match Funds	Score	Award Status
VeRail Technologies, Inc.	VeRail 4-Axle, 2,100 HP, Near-Zero Emissions CNG Switch Locomotive San Joaquin Valley Demonstration	\$1,499,739	\$0	\$1,702,801		Did Not Pass
VeRail Technologies, Inc.	VeRail 4-Axle, 2,100 HP, Near-Zero Emissions CNG Switch Locomotive South Coast Air Basin Demonstration	\$1,499,739	\$0	\$1,702,801		Did Not Pass
Optimized Fuel Technologies	Advanced Performance and Emission Reduction of Natural Gas Engines and Aftertreatment System with Optimized Fuel Technologies	\$1,244,292	\$0	\$617,866		Did Not Pass
Energy Conversions, Inc.	Tier 4 CNG Powered Mother-Slug Switcher Locomotive with Passive Fast Fill Refueling	\$1,499,067	\$0	\$1,288,156		Did Not Pass
Total		\$5,742,837		\$5,311,624		
Grand Total		\$5,999,480	\$3,000,000	\$3,851,000		