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

NOTICE OF PROPOSED AWARDS (NOPA)

Advanced Natural Gas Engine Ignition Systems Research
Grant Solicitation PON-14-501
January 22, 2015

On October 10, 2014, the California Energy Commission (Energy Commission) released a competitive solicitation to fund research for advanced natural gas engine ignition. Up to $2,250,000 in Natural Gas Research Program funding was made available to fund applications in research and development projects to advanced high-energy ignition systems capable of overcoming the challenges of igniting natural gas fuel for natural gas vehicles.

The Energy Commission received six proposals by the due date of December 5, 2014. Each proposal was screened, reviewed, evaluated, and scored using the criteria in the solicitation.

The attached “Notice of Proposed Awards” identifies each applicant selected and recommended for funding by Energy Commission staff and includes the recommended funding amounts and scores. The Energy Commission augmented the funding total with an additional $749,868 to award a total of $2,999,868.

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

Funding of proposed projects resulting from this solicitation is contingent upon the approval of the project at a publicly noticed Energy Commission Business Meeting and execution of a grant agreement.

For information, please contact Tonya Heron, (916) 654-4484, tonya.heron@energy.ca.gov.

Tonya Heron
Commission Agreement Officer

California Energy Commission
PON-14-501
Advanced Natural Gas Engine Ignition Systems Research
Notice of Proposed Awards
January 22, 2015

Rank	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Proposed Award	Match Funds	Score	Award Status
Proposed Awards							
1	North American Repower, LLC	Comparison of Advanced Ignition Systems for Near-Zero-Emission Heavy-Duty NG Trucks	$750,000	$750,000	$1,138,726	88.0%	Awardee
2	Olson-EcoLogic Engine Testing Laboratories	Advanced Fueled and Unfueled Spark Ignited Prechambers Utilizing Turbulent Jet Ignition for Rapid Natural Gas Combustion in a Heavy Duty Natural Gas	$750,000	$750,000	$984,700	77.3%	Awardee
3	Institute of Gas Technology dba Gas Technology Institute	High Frequency Corona Discharge Ignition System Demonstration	$750,000	$750,000	$400,113	72.4%	Awardee
4	Institute of Gas Technology dba Gas Technology Institute	Advanced Plasma Ignition Systems for Class 3-8 Natural Gas Engines	$749,868	$749,868	$300,699	70.7%	Awardee
Total Funding Recommended				**$2,999,868**			
Did not Pass							
Project Applicant		**Title**	**Energy Commission Funds Requested**	**Energy Commission Proposed Award**	**Match Funds**	**Score**	**Award Status**
Digital-Engines, LLC		Development of a Pre-chamber Ignition and Combustion System for the Weichai WP13 Natural Gas Truck Engine	$750,000		$338,000		Did Not Pass
The Trustees of Princeton University		Advanced Volumetric Natural Gas Engine Ignition System for High Pressure and Ultra-Lean Regimes	$599,905		$0		Did Not Pass