

## **NOTICE OF PROPOSED AWARD (NOPA)**

### **Advanced Vehicle-Grid Integration Research and Demonstration GFO-16-303 Group 4 February 6, 2017**

On July 20, 2016, the California Energy Commission (Energy Commission) released a competitive solicitation to fund Applied Research and Development (AR&D) and Technology Demonstration and Deployment (TD&D) projects in the vehicle-grid integration (VGI) topic area. Up to \$16,000,000 in Electric Program Investment Charge (EPIC) funding is available to fund applications in four project groups:

- Group 1: Smart and Efficient Charging of PEVs
- Group 2: Advanced Vehicle-Grid Integration (VGI) Technologies and Methods
- Group 3: Advanced Technologies for PEV Batteries
- Group 4: Advanced VGI for Fleets

This NOPA covers only Group 4, which is for TD&D projects. The NOPA for Groups 1-3 will be released separately. For Group 4, the anticipated total EPIC funding available is \$12,000,000. The Energy Commission received 12 proposals for Group 4 by the due date of October 21, 2016. Each proposal was screened, reviewed, evaluated and scored using the criteria in the solicitation. Ten proposals passed the Stage One Application Screening.

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 for Group 4 is \$16,297,108.

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) add to, remove, or shift funding between the different groups if there are insufficient passing proposals in one group and 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/).

For information, please contact Phil Dyer at (916) 654-1651 or [Phil.Dyer@energy.ca.gov](mailto:Phil.Dyer@energy.ca.gov).

**Phil Dyer**  
Commission Agreement Officer



## California Energy Commission

GFO-16-303

Advanced Vehicle-Grid Integration Research and Demonstration

Project Group 4: Technology Demonstration and Deployment Program Area

*Advanced Vehicle-Grid Integration for Fleets*

### Notice of Proposed Award

February 6, 2017

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
<b>Proposed Awards</b>							
1	The Zero Net Energy (ZNE) Alliance	California E-Bus to Grid Integration Project	\$3,327,953	\$3,327,953	\$3,729,000	90.65	Awardee
2	Motiv Power Systems	Adaptive Chargers for Delivery Customers Demonstrating California Advances in Charging	\$4,529,956	\$4,529,956	\$1,513,524	88.99	Awardee
3	Board of Trustees of the Leland Stanford Junior University (SLAC National Accelerator Laboratory)	Demonstration of Vehicle-Grid Integration Under Non-Residential Scenarios	\$2,340,000	\$2,340,000	\$597,593	88.44	Awardee
4	Prospect Silicon Valley	Advanced Transit Bus VGI Project	\$1,899,199	\$1,899,199	\$1,030,700	86.59	Awardee
5	Nuvve Corporation	Intelligent Electric Vehicle Integration (INVENT)	\$4,692,125	\$4,200,000	\$3,697,744	85.87	Awardee
<b>Total Funding Recommended</b>			<b>\$16,789,233</b>	<b>\$16,297,108</b>	<b>\$10,568,561</b>		



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GFO-16-303

Advanced Vehicle-Grid Integration Research and Demonstration

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<b>Passed but Not Funded</b>							
6	Cleantech Institute, Inc.	Demonstration of Vehicle-Grid Bi-Directional Integration for a Fleet of Electric Vehicles in Northern and Southern California	\$5,000,000	\$0	\$1,806,399	85.17	Finalist
7	Electric Power Research Institute	Electric Vehicle Circuit Breaker Demonstration - A Low-Cost, Grid Integrated, Scalable PEV Infrastructure Solution	\$3,351,925	\$0	\$904,469	83.52	Finalist
8	Transportation Power, Inc.	Medium and Heavy Duty Advanced Vehicle-Grid Integration	\$4,707,777	\$0	\$1,355,210	77.22	Finalist
9	MOEV Inc.	Smart Management of Electric Vehicles at Scale to Optimize Simultaneous Requirements of Power Grid, Microgrid, Fleet and Automobile Operator	\$2,008,647	\$0	\$616,272	74.60	Finalist
<b>Total</b>			<b>\$15,068,349</b>	<b>\$0</b>	<b>\$4,682,350</b>		
<b>Did Not Pass</b>							
	Electric Built, Inc.	Electric Built Shuttle Buses – Mobility Stabilized	\$2,931,026	\$0	\$1,070,090		Did Not Pass
<b>Total</b>			<b>\$2,931,026</b>	<b>\$0</b>	<b>\$1,070,090</b>		
<b>Disqualified</b>							
	KnGrid Inc.	Project Oxygen: The World's First Complete and Cybersecure ISO 15118 VGI Ecosystem	\$3,007,709	\$0	\$485,331		Disqualified
	Electric Motor Werks, Inc.	California Smart Grid EV Charging Initiative	\$4,716,851	\$0	\$393,714		Disqualified
<b>Total</b>			<b>\$7,724,560</b>	<b>\$0</b>	<b>\$879,045</b>		
<b>Grand Total</b>			<b>\$42,513,168</b>	<b>\$16,297,108</b>	<b>\$17,200,046</b>		