

## CALIFORNIA ENERGY COMMISSION

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**NOTICE OF PROPOSED AWARD (NOPA)****GFO-15-311****Groups 1, 3 and 4****Advancing Solutions That Allow Customers to Manage Their Energy Demand****March 4, 2016**

On December 21, 2015, the California Energy Commission released a competitive solicitation titled “Advancing Solutions That Allow Customers to Manage Their Energy Demand” under the Electric Program Investment Charge (EPIC) Program. The purpose of this solicitation is to fund applied research and development projects that enable high renewable resource penetration and meet carbon emissions goals by facilitating the more effective use of DR and Distributed Resources by all sectors of California IOU customers. Each application was required to fall within one of four applicable project groups. Up to \$17 million in EPIC funding was originally available for grants awarded under this solicitation; in addition, the Energy Commission has increased the amount available to Group 1 by \$4 million. **This NOPA identifies awards for selected projects in Groups 1, 3 and 4. The awards for Group 2 will be released in a separate NOPA.**

The Energy Commission received five proposals for Group 1, three proposals for Group 3, and one proposal for Group 4 by the due date of March 1, 2016. The proposals were screened, reviewed, evaluated and scored using the criteria in the solicitation.

The attached “Notice of Proposed Award” identifies the Applicants that are recommended for funding by Energy Commission staff and includes the recommended funding amount and score. The total amount recommended for Group 1 is \$11,955,733. The total amount recommended for Group 3 is \$499,997. The total amount recommended for Group 4 is \$500,000.

Funding of the proposed projects resulting from this solicitation is also contingent upon the approval of the projects at a publicly noticed Energy Commission Business Meeting and execution of a grant agreement. If the Energy Commission is unable to timely execute a funding agreement with the 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 the Applicants of 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 Brad Worster at (916) 654-4299 or [Brad.Worster@energy.ca.gov](mailto:Brad.Worster@energy.ca.gov).

**Brad Worster**  
Commission Agreement Officer



# California Energy Commission

GFO 15-311

Advancing Solutions That Allow Customers to Manage Their Energy Demand

Project Group 1: Load Management Systems that Facilitate Participation as Supply-side Resources

**Notice of Proposed Award**

March 4, 2016

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
<b>Proposed Awards</b>							
1	BMW of North America, LLC	Total Charge Management: Advanced Charge Management for Renewable Integration	\$3,999,900	\$3,999,900	\$411,931	83.7	Awardee
2	Center for Sustainable Energy	Meeting Customer and Supply-side Market Needs with Electrical and Thermal Storage, Solar, Energy Efficiency and Integrated Load Management Systems	\$3,960,805	\$3,960,805	\$1,981,262	83	Awardee
3	OhmConnect, Inc.	Empowering Prosumers to Access Wholesale Energy Products	\$3,995,028	\$3,995,028	\$374,417	77.4	Awardee
<b>Total Funding Recommended</b>			<b>\$11,955,733</b>	<b>\$11,955,733</b>	<b>\$2,767,610</b>		
<b>Passed but Not Funded</b>							
<b>Total</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		
<b>Did Not Pass</b>							
#	Lawrence Berkeley National Laboratory	Development of Open Source Methods to Evaluate Resource Availability and Optimal Control of Distributed Energy Systems as Supply Side Resources	\$3,955,000	\$0	\$344,151		Did Not Pass
<b>Total</b>			<b>\$3,955,000</b>	<b>\$0</b>	<b>\$344,151</b>		
<b>Disqualified</b>							
#	IPKeys Technologies, LLC	"Market Aware" High Performance Buildings	\$3,476,792	\$0	\$268,515		Disqualified
<b>Total</b>			<b>\$3,476,792</b>	<b>\$0</b>	<b>\$268,515</b>		
<b>Grand Total</b>			<b>\$19,387,525</b>	<b>\$11,955,733</b>	<b>\$3,380,276</b>		



# California Energy Commission

GFO 15-311

Advancing Solutions That Allow Customers to Manage Their Energy Demand

Project Group 3 – Develop One or More Transactive Signals to Facilitate Demand Response

## Notice of Proposed Award

March 4, 2016

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
<b>Proposed Awards</b>							
1	Electric Power Research Institute, Inc.	Transactive Incentive Signals to Manage Electricity Consumption (TIME): A System for Transactive Load Management	\$499,997	\$499,997	\$108,750	82	Awardee
<b>Total Funding Recommended</b>			<b>\$499,997</b>	<b>\$499,997</b>	<b>\$108,750</b>		
<b>Passed but Not Funded</b>							
2	OpenADR Alliance	Productizing a Transactive Signal Specification for use in the California energy market	\$429,832	\$0	\$429,838	79	Finalist
<b>Total</b>			<b>\$429,832</b>	<b>\$0</b>	<b>\$429,838</b>		
<b>Disqualified</b>							
#	IPKeys Technologies, LLC	OpenADR 2.0b Signals for Pricing and Virtual End Node (VEN) Reporting	\$493,579	\$0	\$328,515		Disqualified
<b>Total</b>			<b>\$493,579</b>	<b>\$0</b>	<b>\$328,515</b>		
<b>Grand Total</b>			<b>\$1,423,408</b>	<b>\$499,997</b>	<b>\$867,103</b>		



# California Energy Commission

GFO 15-311

Advancing Solutions That Allow Customers to Manage Their Energy Demand

Project Group 4 – The Value Proposition for Nonresidential Building Lighting Retrofits and Demand Response

## Notice of Proposed Award

March 4, 2016

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
<b>Proposed Awards</b>							
1	Lawrence Berkeley National Laboratory	The Value Proposition for Cost-Effective, DR-Enabling, Nonresidential Lighting System Retrofits in California Buildings	\$500,000	\$500,000	\$138,638	81	Awardee
<b>Total Funding Recommended</b>			<b>\$500,000</b>	<b>\$500,000</b>	<b>\$138,638</b>		
<b>Grand Total</b>			<b>\$500,000</b>	<b>\$500,000</b>	<b>\$138,638</b>		