

**CALIFORNIA ENERGY COMMISSION**

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

**NOTICE OF PROPOSED AWARD (NOPA)****Regional Climate Impacts and Adaptation Studies for the Natural Gas System  
and Other Environmental Related Issues****PON-14-507****August 5, 2015**

On March 24, 2015, the California Energy Commission (Energy Commission) released a competitive solicitation to fund research that addresses natural gas sector climate resilience policy, implementation, and management needs articulated by the Energy Commission's *2014 Integrated Energy Policy Report*, *California's Climate Change Research Plan (2015)*, and *Safeguarding California: Reducing Climate Risk (2013)*. The grant solicitation announced that there is up to \$2.9 million in Natural Gas Research Program funding available for the agreements resulting from this solicitation, in the following groups, and that the Energy Commission, at its sole discretion, reserves the right to increase or reduce the amount of funds available. The groups listed in the solicitation are:

- Group 1: Regional Studies (I-IV) – Investigate Climate Vulnerability of the Natural Gas Energy System and Identify Resilience Options
- Group 2: Assessment of Fugitive Methane Emissions from the Natural Gas System – Commercial Buildings
- Group 3: Probabilistic Seasonal and Decadal Forecasting for the Natural Gas System
- Group 4: Assessment of Current and Potential Environmental Benefits of Residential Solar Water Heating in California, Drawing on Installed Performance and User Experience

The Energy Commission received 12 proposals by the due date of May 26, 2015. Each proposal was screened, reviewed, evaluated and scored using the criteria in the solicitation. Twelve proposals passed the Stage One Application Screening.

The attached table, "Notice of Proposed Awards," 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 \$1,956,061.

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 Gordon Kashiwagi at (916) 654-5131 or at [Gordon.Kashiwagi@energy.ca.gov](mailto:Gordon.Kashiwagi@energy.ca.gov).

**Gordon Kashiwagi**  
Commission Agreement Officer



**California Energy Commission  
PON-14-507**

**and Other Environmental Related Issues**  
**Regional Studies (I-IV) - Investigate Climate Vulnerability of the Natural Gas Energy System**  
**and Identify Resilience Options**  
**Notice of Proposed Awards**  
 August 5, 2015

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
<b>Proposed Awards</b>							
1	ICF International	Regional Climate Impacts and Adaptation Studies for the Natural Gas System and Other Environmental Related Issues	\$456,703	\$456,703	\$166,200	77	Awardee
<b>Total Funding Recommended</b>			<b>\$456,703</b>	<b>\$456,703</b>	<b>\$166,200</b>		
<b>Passed but Not Funded</b>							
<b>Total</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		
<b>Did Not Pass</b>							
<b>Total</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		
<b>Disqualified</b>							
<b>Total</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		
<b>Grand Total</b>			<b>\$456,703</b>	<b>\$456,703</b>	<b>\$166,200</b>		



# California Energy Commission PON-14-507

## and Other Environmental Related Issues Assessment of Fugitive Methane Emissions from the Natural Gas System - Commercial Buildings

### Notice of Proposed Awards

August 5, 2015

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
<b>Proposed Awards</b>							
1	Gas Technology Institute	Assessment of Fugitive Emissions from the Natural Gas System - Commercial Buildings	\$599,891	\$599,891	\$0	80	Awardee
<b>Total Funding Recommended</b>			<b>\$599,891</b>	<b>\$599,891</b>	<b>\$0</b>		
<b>Passed but Not Funded</b>							
2	ICF International	Assessment of Fugitive Emissions from the Natural Gas System - Commercial Buildings	\$599,970	\$0	\$210,000	78	Finalist
<b>Total</b>			<b>\$599,970</b>	<b>\$0</b>	<b>\$210,000</b>		
<b>Did Not Pass</b>							
3	Tierra Resource Consultants, LLC	Proposal to Conduct an Assessment of Fugitive Methane Emissions from the Natural Gas System: Commercial Buildings Experience.	\$600,000			47	Did Not Pass
<b>Total</b>			<b>\$600,000</b>	<b>\$0</b>	<b>\$0</b>		
<b>Disqualified</b>							
<b>Total</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		
<b>Grand Total</b>			<b>\$1,799,861</b>	<b>\$599,891</b>	<b>\$210,000</b>		



# California Energy Commission PON-14-507

## and Other Environmental Related Issues Probabilistic Seasonal and Decadal Forecasting for the Natural Gas System

### Notice of Proposed Awards

August 5, 2015

5-Aug-15

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
<b>Proposed Awards</b>							
1	University of California, San Diego	Probabilistic Seasonal and Decadal Forecasting for the Natural Gas System	\$399,467	\$399,467	\$0	90	Awardee
<b>Total Funding Recommended</b>			<b>\$399,467</b>	<b>\$399,467</b>	<b>\$0</b>		
<b>Passed but Not Funded</b>							
2	Eagle Rock Analytics	Probabilistic Seasonal and Decadal Forecasting Using Linear Inverse Modeling	\$399,998	\$0	\$0	88	Finalist
<b>Total</b>			<b>\$399,998</b>	<b>\$0</b>	<b>\$0</b>		
<b>Did Not Pass</b>							
<b>Total</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		
<b>Disqualified</b>							
<b>Total</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		
<b>Grand Total</b>			<b>\$799,465</b>	<b>\$399,467</b>	<b>\$0</b>		



# California Energy Commission PON-14-507

**and Other Environmental Related Issues**  
**Assessment of Current and Potential Environmental Benefits of Residential Solar Water Heating in California,**  
**Drawing on Installed Performance and User Experience**

## Notice of Proposed Awards

August 5, 2015

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
<b>Proposed Awards</b>							
1	University of California, Davis	Understanding and Improving Solar Thermal Water Heating Effectiveness for California Households	\$500,000	\$500,000	\$40,000	101	Awardee
<b>Total Funding Recommended</b>			<b>\$500,000</b>	<b>\$500,000</b>	<b>\$40,000</b>		
<b>Passed but Not Funded</b>							
2	University of California, Davis	Quantifying the environmental potential of residential solar water heating in California: An integrated field, behavioral, and techno-economic approach	\$498,640	\$0	\$0	85	Finalist
3	Lawrence Berkeley National Laboratory	Overcoming Barriers to Greater Market Adoption of Solar Thermal Water Heating in California	\$500,000	\$0	\$3,700	83	Finalist
4	Center for Sustainable Energy	Assessing the Environmental Benefits and Adoption Pathways of Residential Solar Water Heating in California	\$496,343	\$0	\$19,921	82	Finalist
5	Itron, Inc.	Heating Up California's Solar Water Heating Market	\$500,000	\$0	\$0	76	Finalist
<b>Total</b>			<b>\$1,994,983</b>	<b>\$0</b>	<b>\$23,621</b>		
<b>Did Not Pass</b>							
6	Tierra Resource Consultants, LLC	Proposal to Conduct an Assessment of Current and Potential Environmental Benefits of Residential Solar Water Heating in California, Drawing on Installed Performance and User Experience	\$499,550	\$0	\$0	42	Did Not Pass
<b>Total</b>			<b>\$499,550</b>	<b>\$0</b>	<b>\$0</b>		
<b>Disqualified</b>							
<b>Total</b>			<b>\$0</b>	<b>\$0</b>	<b>\$0</b>		
<b>Grand Total</b>			<b>\$2,994,533</b>	<b>\$500,000</b>	<b>\$63,621</b>		