

CALIFORNIA ENERGY COMMISSION

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NOTICE OF PROPOSED AWARDS
Renewable Natural Gas Transportation Fuel Production Systems with Value Added
Co-Products/Benefits
Grant Solicitation PON-12-506
February 27, 2013

On December 17, 2012, the California Energy Commission's Public Interest Energy Research (PIER) Program released a Program Opportunity Notice (PON-12-506) entitled "Renewable Natural Gas Transportation Fuel Production Systems with Value Added Co-Products/Benefits." The purpose of the solicitation is to accelerate research, development and demonstration (RD&D) of advanced technologies that produce renewable natural gas (RNG) transportation fuels through the use of technologies that are novel, innovative, and generate economically significant co-products and/or co-benefits for California. The solicitation announced that \$2,450,000 in funding was available for a maximum award size of \$400,000 for bench scale projects and \$820,000 for working demonstration unit and prototype development projects.

The proposals were screened, reviewed, evaluated, and scored using the criteria prescribed in the solicitation. Based on the Review Team's scores and suggested funding level, the Energy Commission proposes to award four projects for \$818,147, \$820,000, \$395,000, and \$359,847 respectively, for a total of \$2,392,994. However, should additional funding be made available, the remaining passing projects *may* receive funding.

This Notice of Proposed Awards is hereby issued pursuant to these recommendations.

The attached table titled "Notice of Proposed Awards and Results of Submitted Proposals" identifies each of the applicants recommended to receive funding, the project title, the recommended amount of Energy Commission funding, and scoring information.

Funding of proposed projects resulting from this solicitation is contingent upon the approval of each project at a publicly noticed Business Meeting at the Energy Commission in Sacramento, California, and execution of a grant agreement for each project. If the Commission is unable to timely negotiate and execute a funding agreement with an Applicant, the Commission, at its sole discretion, reserves the right to cancel the pending award and shift the available funds. Applicants will be notified of such changes in a revised notice.

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

For further information about this matter, contact Angela Hockaday at (916) 654-5186, or by email at Angela.Hockaday@energy.ca.gov.



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Notice of Proposed Awards and Results of Submitted Proposals Renewable Natural Gas Transportation Fuel Production Systems with Value Added Co-Products/Benefits

February 27, 2013

Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	Match Funds	Score	Award Status
Proposed Awards							
1	Interra Energy	Interra Reciprocating Reactor for Low-Cost & Carbon Negative RNG	\$818,147	\$818,147	\$228,146	83.48	Awardee
2	CleanWorld	CleanWorld Fertilizer Production System	\$820,000	\$820,000	\$690,830	80.13	Awardee
3	Anaergia Services	Green Waste to Transportation Fuel by PyroBioMethane	\$395,121	\$395,121	\$437,093	80.10	Awardee
4	UC Riverside	CO2 Based Co-Products for Commercially Viable RNG Fuel Production	\$359,847	\$359,847	\$0	79.30	Awardee
Total Funding Recommended			\$2,393,115	\$2,393,115	\$1,356,069		
Passed But Not Funded							
5	Environmental Energy & Engineering Company	A New Approach to Biomethane Production	\$819,840	\$0	\$100,000	79.00	Finalist
6	Recycling Energy Systems	Working Demonstration of Gasification Unit to Produce RNG and Bio-Char High Value Soil Amendment Byproduct	\$820,000	\$0	\$15,150	78.52	Finalist
7	Kiverdi and Partners	Biological water-gas shift for the Production of RNG with Biopolymers and Biochar and High-Value Co-Products	\$559,125	\$0	\$0	76.40	Finalist
8	Impulse Devices	Bench-Scale Focused Cavitation Flow Through Device for Industrial Applications	\$400,000	\$0	\$113,128	75.61	Finalist
9	Whole Energy Pacifica	Whole Energy: Low Cost Application of Glycerine to Enhance Renewable natural Gas Quantity and Quality	\$840,000	\$0	\$50,000	71.60	Finalist
10	Technikon	Methane Production from Biomass Gasifier	\$810,429	\$0	\$400,000	71.29	Finalist



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Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	Match Funds	Score	Award Status
Did not Pass							
11	Monterrey Regional Waste Management	Closing the Loop: A Localized Trash-To-Gas Project	\$819,998	\$0	\$3,427,617	64.78	Did Not Pass
12	Responsible Energy	From Grapes to Gas	\$623,030	\$0	\$7,600	64.00	Did Not Pass
13	Sandia National Laboratories	Livermore Renewable Fuel Demonstration	\$820,000	\$0	\$1,895,000	57.69	Did Not Pass
Did not Pass Administrative Screening							
14	Lawrence Berkeley National Laboratory	Integrated Anaerobic Digestion and Algae Biorefinery System for Sustainable Renewable Natural Gas Production	\$820,000	\$0	\$647,497	0.00	Did Not Pass