

**CALIFORNIA ENERGY COMMISSION**

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SACRAMENTO, CA 95814-5512  
www.energy.ca.gov



**NOTICE OF PROPOSED AWARDS**  
**Geothermal Grant and Loan Program**  
**Grant Funding Opportunity GFO-16-505**  
**March 9, 2017**

On November 14, 2016, the California Energy Commission (Energy Commission) released a Grant Funding Opportunity (GFO-16-505) titled “Geothermal Grant and Loan Program (GRDA).” This competitive grant solicitation requested applications from eligible local jurisdictions and private entities for geothermal energy-related projects in California. The activities allowed for proposed projects included local and regional geothermal planning, geothermal resource assessment and exploration, geothermal direct-use and electric generation technology research and development, mitigation of geothermal development impacts, and provision of public services necessitated by geothermal development. The solicitation announced that up to \$4,740,000 in grant funding was available, with applications due by January 20, 2017.

The applications received for GFO-16-505 have been reviewed and evaluated using the criteria described in the solicitation. Based on the Evaluation Committee’s scores, the Energy Commission proposes to award funding to five projects. The attached table titled “Notice of Proposed Awards and Results of Submitted Proposals” identifies each of the proposals recommended to receive funding, the project title, the recommended amount of Energy Commission funding, and scoring information.

Funding of the proposed projects resulting from this solicitation is contingent upon all of the following: 1) applicant submittal of sufficient documentation to support an Energy Commission determination that a decision to approve funding for a project complies with the California Environmental Quality Act (CEQA); 2) approval of the project grant agreement at a publicly noticed Business Meeting of the Energy Commission; and 3) execution of a grant agreement by all parties. If an applicant cannot provide sufficient documentation of compliance with CEQA in the timeframe required by the Energy Commission, and/or the Energy Commission and applicant are unable to negotiate and execute a grant agreement within the timeframe required by the Energy Commission, the Energy Commission, at its sole discretion, reserves the right to cancel a proposed award and recommend funding of the next highest scoring proposal that can meet the approval requirements above.

This notice is being mailed to all parties who submitted an application to this solicitation and is also being posted on the Energy Commission’s website at: <http://www.energy.ca.gov/contracts/index.html>. For additional information or questions about this notice, please contact Diana Parmley, Commission Agreement Officer, at (916) 651-9409, or by email at [Diana.Parmley@energy.ca.gov](mailto:Diana.Parmley@energy.ca.gov).



**California Energy Commission  
Geothermal Grant and Loan Program**

**GFO-16-505**

**Notice of Proposed Awards and Results of Submitted  
Proposals**

**March 9, 2017**



Proposal Number	Applicant	Project Title	Funds Requested	Proposed Award	Score	Recommendation
<b>Proposed Awards</b>						
9	Modoc Joint Unified School District	Modoc Joint Unified School District Geothermal Expansion	\$880,000	\$880,000	80.85	Awardee
1	County of Modoc	Geothermal Resource Confirmation Drilling	\$1,638,022	\$1,638,022	80.50	Awardee
7	Imageair, Inc.	Application of Surface Deformation and Induced Seismicity to Geothermal Operation and Exploration	\$604,928	\$604,928	77.30	Awardee
14	Golden Haven Hot Springs Spa and Resort	Golden Haven Injection Well	\$134,642	\$134,642	75.50	Awardee
2	GreenFire Energy, Inc.	Demonstration of a Novel Water-Free Method of Extracting Energy from Hot Dry Rock	\$1,490,757	\$1,482,408	75.10	Awardee
Subtotal:			\$4,748,349	\$4,740,000		

Proposal Number	Applicant	Project Title	Funds Requested	Proposed Award	Score	Recommendation
<b>Passed, but Not Funded</b>						
4	Western GeoPower, Inc.	Reducing the Drilling Cost of Geothermal Wells in California	\$2,320,721	\$0	74.30	Passed
15	Paulsson, Inc.	Development of a High Temperature Geothermal Reservoir Characterization System Using Optical Sensors	\$3,105,483	\$0	73.70	Passed
11	Ormat Nevada, Inc.	Sandpiper Geothermal Exploration Project	\$1,575,468	\$0	72.85	Passed
8	Ormat Nevada, Inc.	Drilling of Deep Groundwater Monitoring Well 28-25	\$450,000	\$0	71.10	Passed
13	Ruby Mountain, Inc.	Innovative Play Fairway Analysis to Enable Expanded, Cost-Effective Geothermal Development in California	\$732,500	\$0	70.30	Passed
10	Mammoth Community Water District	Construction and Sampling of Geothermal Monitoring Well BLM2	\$868,354	\$0	70.10	Passed
Subtotal:			\$9,052,526	\$0		
<b>Did Not Pass Technical Evaluation</b>						
12	Ormat Nevada, Inc.	Truckhaven Exploration Water Well Project	\$258,200	\$0		Did Not Pass
5	Technology & Investment Solutions, LLC	Geothermal Power Generation from Low Grade Heat Resources Using High Efficiency TEG & ORC in Existing Wells	\$340,001	\$0		Did Not Pass
6	Ormat Nevada, Inc.	Extraction and Recovery of Rare Earth Elements and Lithium from Spent Geothermal Brines	\$325,132	\$0		Did Not Pass
3	Edwin S. Newman	Substituting Piezoelectric Material for Turbines and Generators	\$1,000	\$0		Did Not Pass
Subtotal:			\$924,333	\$0		
Grand Total:			\$14,725,208	<b>\$4,740,000</b>		

Funds Requested

Funds Available