



Summary of US Department of Energy Geothermal Technologies Program ARRA Project Awards for Oregon

Grantee	DOE Grant Amount	Project Location (City)	Project Location (State)	Description
1) Innovative Exploration and Drilling Projects				
Nevada Geothermal Power Company	\$1,764,272	Crump Geyser	OR	<p>Nevada Geothermal Power Co. will test a new low (environmental) impact drilling technique and create a method to model the movement of fluid in the reservoir.</p> <p>Crump Geyser is in the Warner Valley/Crump Lake area of south central OR. The area is high potential for geothermal direct use and energy development. Work by Nevada Geothermal Power has the potential to improve the drilling efficiency while exploring the resource potential.</p>
Newberry Geothermal Holdings, LLC	\$5,000,000	Newberry Volcano	OR	<p>Newberry Geothermal Holdings, LLC will use advanced geological techniques to locate geothermal reservoirs in Oregon's Cascade range.</p> <p>This project has great potential for geothermal resource understanding in the Cascades.</p>
ORMAT Nevada, Inc.	\$4,377,000	Glass Buttes	OR	<p>ORMAT Nevada will use a combination of advanced geological techniques to identify faults in geothermal reservoirs, with initial tests in Glass Buttes, OR.</p>
2) Coproduced, Geopressured, and Low Temperature Projects				
City of Klamath Falls	\$816,100	Klamath Falls	OR	<p>This funding will facilitate construction of a low temperature power plant combined with a district heating system to help power the city of Klamath Falls, OR.</p> <p>This is a great opportunity for Klamath Falls and the ideal use of their geothermal resource.</p>

Johnson Controls, Inc.	\$1,047,714	Oregon Institute of Technology Campus (Klamath Falls)	OR	Johnson Controls, Inc. will install a low temperature unit on the Oregon Institute of Technology Campus. OIT is still on board to become the first university campus that will operate completely off the grid.
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3) Enhanced Geothermal Systems Demonstration Projects

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Alta Rock Energy, Inc.	\$24,999,430	Newberry Volcanic Monument Bend	OR	Alta Rock Energy will demonstrate EGS technology to generate power from the Newberry Known Geothermal Resource Area. EGS is experimental technology to develop techniques of extracting energy from geothermal systems that may not have sufficient water available in the system for energy transfer (hot, dry rock systems). Newberry Known Geothermal Resource Area falls under this category at this time.

4) Geothermal Data Development, Collection, Maintenance

Arizona State Geologic Survey/ OR Dept of Geology and Mineral Industries/	\$17,799,947	40 State Surveys		DOGAMI in collaboration with 39 other state geologic surveys and lead by Arizona State Geologic Survey will be developing the National Geothermal Data System and populating it with relevant geothermal data from the states. State geologic surveys are repositories of comprehensive and long lived geologic data about individual states. This project will provide funds to assist state surveys with compiling data and information that presently resides in formats from paper to digital in one standard format and structure. DOGAMI is slated to receive up to \$600,000 for this work.
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