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Geothermal Maps

These geothermal maps show currently developed and planned geothermal power plant projects, as well as favorable resources for enhanced geothermal systems and identified hydrothermal sites.

Resource Potential

The geothermal resource potential map ([JPG 1.6 MB](#)) for the United States shows locations of identified hydrothermal sites and favorability of deep enhanced geothermal systems (EGS). The map does not include shallow EGS resources located near hydrothermal sites or U.S. Geological Survey (USGS) assessment of undiscovered hydrothermal resources. The map was created by NREL using data provided by the Southern Methodist University Geothermal Laboratory and NREL analyses for regions with temperatures equal to or greater than 150°C. Source data for identified hydrothermal sites is from "USGS Assessment of Moderate- and High-Temperature Geothermal Resources of the United States." (October 2008) (Temperature-at-depth data for deep EGS in Alaska and Hawaii not available.)



Power Generation

This geothermal map ([JPG 1.1 MB](#)) shows current and planned power generation capacity by state. Data are from the Geothermal Energy Association (GEA) (as of April 2010) and include projects funded by the American Recovery and Reinvestment Act (ARRA). The numbers for "planned" generation include projects in Phases 1-4 of development and unconfirmed projects. Total installed capacity is 3,086.6 MW, and total planned capacity is 5,256 to 7,877 MW.



For more geothermal information, access [Southern Methodist University Geothermal Laboratory](#), [Idaho National Laboratory](#) or U.S. DOE [Geothermal Technologies Program](#).

For Geographic Information System (GIS) geothermal resource data, access the [Data Resources](#) page.

For interactive maps and tools for viewing maps and data, access the [Data Visualization and Tools](#) page.

If you have difficulty accessing these maps because of a disability, please contact the [Webmaster](#).

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