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**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
ENVIRONMENTAL DATA SERVICE  
National Geophysical and Solar-Terrestrial  
Data Center  
Boulder, Colorado 80302

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**NEW MAP OF GEOTHERMAL ENERGY RESOURCES OF THE WESTERN UNITED STATES**

A multicolor map showing the geothermal energy resources and related data for the Western United States has been prepared by the National Geophysical and Solar-Terrestrial Data Center (NGSDC) in cooperation with the Energy Research and Development Administration and the U.S. Geological Survey. The area covered extends from slightly east of the Rocky Mountains to the Pacific coast and from Mexico to Canada.

The map has been designed for use by geothermal specialists and nonspecialists alike. One of the main goals of this compilation is to promote an understanding of the importance of the heat from the earth's interior in helping to fill the future energy needs of the United States.

The geothermal areas shown include those that are now producing electrical power from steam-driven turbines, or that are under development or have a known potential for the generation of electricity. Also depicted are areas where hot water presently is being used for nonelectrical purposes (e.g., heating of buildings, agriculture, and various manufacturing processes) or where there is a known potential for such use. In addition, the map presents other types of geological and geophysical data that are closely associated with geothermal resources:

The following are specific types of data shown on the map: 1) high-temperature hydrothermal convection systems, color coded according to temperature (from USGS Circular 726); 2) locations of over 1000 lower temperature thermal springs; 3) "Known Geothermal Resources Areas" (KGRAs); 4) areas valuable prospectively for geothermal resources; 5) locations and values of heat-flow measurements; 6) earthquake epicenters; 7) major faults; and 8) volcanoes and volcanic cones of Quaternary and late Tertiary age. Standard and some special data sources have been used, as indicated on the map legend. In addition, the map includes brief descriptions of 12 areas that have been developed or that have the potential for producing geothermal energy.

The map, which measures approximately 46 by 35 inches, is on the standard Albers Equal Area Projection at a scale of 1:2,500,000 (see overleaf for excerpt).

*OBTAINING MAPS:*

Copies of the map (specify Geothermal Energy Resources Map of the Western United States) are available from our distribution agent:

NOAA/National Ocean Survey  
Distribution Division, C44  
Riverdale, MD 20840

Specify if the map is to be folded or sent in a mailing tube (rolled). The cost is \$2.50. Make check or money order payable to "COMMERCE/NOS".

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# GEOTHERMAL ENERGY RESOURCES of the WESTERN UNITED STATES



