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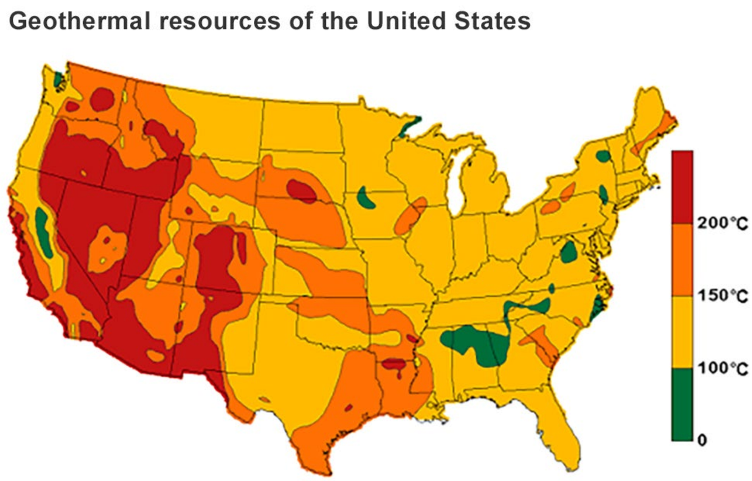
Daily Insights

New tech could broaden geothermal's geographic footprint

13 August 2026

US geothermal resources are concentrated out west
US map of geothermal resources



Source: BofA Global Research, US Department of Energy Office of Energy Efficiency & Renewable Energy

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Geothermal energy harnesses the Earth's internal heat, typically by drilling into hot underground rock formations and using naturally occurring or engineered fluid systems to bring that heat to the surface for electricity generation, heating or cooling. While geothermal currently accounts for less than 1% of global energy demand, it offers a source of reliable, around-the-clock power.

Historically, geothermal development has been concentrated in the western US, where high-quality hydrothermal resources are most abundant. As a result, deployment has been limited to a relatively narrow set of geographies. However, advances in next-generation technologies, including enhanced geothermal systems (EGS) and closed-loop systems, could expand development beyond traditional geothermal hotspots by enabling access to heat resources across a broader range of locations.

Read the full publication: [Geothermal 101: The heat at your feet!]

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