Green energy geothermal

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Following an extended corporate transition, all GEG restructuring was finalized by December 2023.A refreshed Group has started 2024 with operating companies GEG Geoneer, GEG Geosleeve and GEG Geocool.

We are now supported with strategic direction and centralized management by GEG KE Ltd. and GEG Asset Management Corp. alongside streamlined governance and shareholding. Contact the new Board of Directors to learn more.

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Secure .gov websites use HTTPS A lock (Lock Locked padlock) or https:// means you"ve safely connected to the .gov website. Share sensitive information only on official, secure websites.

New Report from the "Pathways to Commercial Liftoff" Series Highlights Geothermal Energy"s Potential to Increase Production Twentyfold While Advancing the Clean Energy Transition

WASHINGTON, D.C. --The U.S. Department of Energy (DOE) today announced the release of its latest Pathways to Commercial Liftoff report, focusing on the potential of next-generation geothermal power to transform the U.S. energy landscape. "Pathways to Commercial Liftoff: Next-Generation Geothermal Power," marks the ninth installment in the Liftoff series which launched in March 2023. This report shows how advanced geothermal technology could increase the United States" geothermal energy production to 90 gigawatts or more by 2050, a twentyfold increase. This growth in geothermal energy supports the Biden-Harris Administration"s goals of facilitating a carbon-free electricity grid by 2035, while creating thousands of good-paying jobs to boost our clean energy economy.

"The US can lead the clean energy future with continued innovation on next-generation technologies, from harnessing the power of the sun to the heat beneath our feet, and cracking the code to deploy them at scale," saidU.S. Secretary of Energy Jennifer M. Granholm. "The newest report in DOE"s commercial liftoff series showcases the enormous potential for geothermal energy and that with strong public-private partnerships we can lower costs for this hot technology to expand access for cleaner, more reliable power to communities across the nation."

Next-generation geothermal energy represents a significant advancement in harnessing the Earth"s heat to generate power. This innovative approach involves the use of nascent technologies and methods to access and convert geothermal resources into electricity more efficiently and sustainably than ever before. Next-generational geothermal benefits from the long-standing use of geothermal as a power generation

technology, and features transferrable technology, supply chains, and workforces from the oil & gas sector.

The release of this liftoff report follows on the heels of DOE"s recent announcement of projects directed by the Bipartisan Infrastructure Law to demonstrate the efficacy and scalability of enhanced geothermal systems. These selections, coupled with incentives for geothermal electricity development through the Inflation Reduction Act, are part of President Biden"s Investing in America Agenda which includes substantial investment in clean energy technologies.

Key findings from the report include:

This Liftoff report supports the goals of DOE"s Enhanced Geothermal Shot(TM), part of DOE"s Energy Earthshots(TM) Initiative, which aims to unlock Earth"s near-inexhaustible heat resources and bring enhanced geothermal systems to Americans nationwide.

Learn more about geothermal energy research, development, and demonstration in DOE"s Geothermal Technologies Office.

Contact us for free full report

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