



HGEO Strategic Plan

Advancing American Energy Dominance, Security, and Global Leadership

The Hydrocarbons and Geothermal Energy Office (HGEO) is advancing a new chapter for the Nation's hydrocarbon and geothermal energy portfolio—one grounded in innovation, partnership, and coordinated action.

This Strategic Plan establishes the goals and objectives that will shape HGEO's activities and investments. It also introduces new Centers of Excellence at the National Energy Technology Laboratory (NETL) that will enhance collaboration on key functional areas with industry, other National Laboratories, and partners across the Federal government and academia.



Mission

Unleash the full potential of America's hydrocarbon and geothermal resources to provide affordable, reliable, and secure energy.



Vision

An America that leads the world with affordable, reliable, and secure energy; powering prosperity, freedom, and human flourishing.



Strategic Goals

- 1) Stabilize, optimize, and grow the American coal industry, restoring it as a cornerstone of the U.S. energy mix.
- 2) Ensure resilience of U.S. oil and natural gas production and infrastructure reliability.
- 3) Accelerate the discovery and development of gigawatt-scale geothermal energy and position geothermal as a competitive domestic source for reliable baseload electricity generation.
- 4) Ensure the security, stability, and strategic value of the Nation's oil and gas exports and the Strategic Petroleum Reserve (SPR).
- 5) Fill the SPR to its maximum capacity and maintain drawdown readiness.
- 6) Drive execution of the HGEO mission through the implementation of leading-edge, efficient, and fiscally responsible solutions across HGEO programs, processes, and systems.
- 7) Uphold gold standard science and advance industry-aligned technologies to commercial-scale.



Centers of Excellence

The **Centers of Excellence**—one at each NETL location—serve as dedicated hubs for collaboration, connecting stakeholders with laboratory capabilities, facilities, and multidisciplinary teams best aligned to support their goals.

These Centers are anchored at NETL's facilities in Morgantown, West Virginia (coal), Pittsburgh, Pennsylvania (oil and natural gas), and Albany, Oregon (critical minerals), along with a geothermal energy location which will be announced soon.



Scan the QR code to explore HGE0's Strategic Plan, its objectives, and the Centers of Excellence

U.S. DEPARTMENT of **ENERGY** | Hydrocarbons and Geothermal Energy Office

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