

NETL OVERVIEW

WHO WE ARE

For over a century, NETL has been a world-class technology innovation center with global impact across the energy sector and beyond, including the defense and health care sectors. Today, NETL continues to address critical energy, infrastructure, and manufacturing challenges by accelerating cutting-edge technological solutions that are cost effective, enable low-carbon supply chains, and create cleaner and better paying American jobs for sustained economic growth.

NETL's mission is to drive innovation and deliver solutions for an environmentally sustainable and prosperous energy future by ensuring affordable, abundant, and reliable energy that drives a robust economy and national security. We accomplish this by developing technologies to manage carbon across the full life cycle, thus promoting environmental sustainability for all Americans.

NETL continues to be the nation's premier energy technology laboratory, delivering integrated solutions to enable America's transformation to a sustainable energy future. Our research advances clean and renewable energy technologies while enabling traditional fossil energy resources to economically power our nation's homes, industries, businesses, and transportation while protecting our environment and enhancing our energy independence.

NETL

NATIONAL ENERGY TECHNOLOGY LABORATORY

NETL is the nation's premier laboratory dedicated to advancing carbon management and resource sustainability technologies. As the country's only government-owned and operated energy laboratory (GO-GO), it plays a pivotal role in bridging early-stage research with practical energy solutions. NETL boasts a wide-ranging expertise in areas such as geological and environmental systems, materials engineering, energy conversion, strategic systems analysis, computational science, and program execution.

NETL drives impactful research and development (R&D) both within its laboratories and beyond. The lab conducts significant intramural R&D, while also managing a comprehensive extramural R&D portfolio across various DOE offices. These include the Offices of Fossil Energy and Carbon Management (FECM), Energy Efficiency and Renewable Energy (EERE), Cybersecurity, Energy Security and Emergency Response (CESER), Electricity (OE), Grid Deployment Office (GDO), Manufacturing and Energy Supply Chains Office (MESCO), and the Joint Office of Energy and Transportation. Our research portfolio spans 1,000 R&D activities across 49 states, with a total award value of over \$5 billion, including private sector cost-sharing of \$1.3 billion.

NETL forges strong ties with industry, academic institutions, and national and international research entities. Through these partnerships, the lab fosters the growth of groundbreaking technologies that propel economic progress while diminishing risks.

SITE INFORMATION



240.79 Acres

128 Buildings



\$839.6M Replacement Value



1,470 Full-time Equivalent Employees (FTEs)

31 Joint Faculty

7 Postdoctoral Researchers

12 Graduate Students

2 Undergraduate Students

Data as of August 2023; FTE indicated, other human capital numbers are headcount

1,124,000

GSF in Buildings
(GSF - gross square footage)

2,083

GSF in Leased Facilities



Albany, OR



Anchorage, AK



Houston, TX



Morgantown, WV

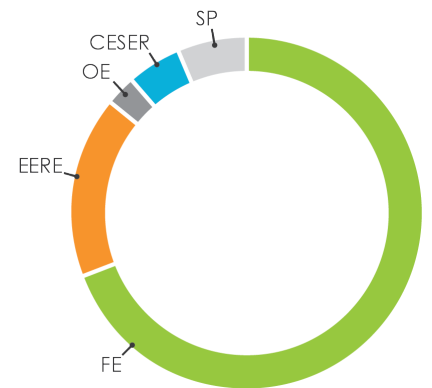


Pittsburgh, PA

FY 2023 BUDGET

\$1.3 BILLION

Fossil Energy and Carbon Management.....	\$890 million
Energy Efficiency and Renewable Energy.....	\$214 million
Electricity Delivery and Energy Reliability.....	\$35 million
Cybersecurity, Energy Security, and Emergency Response.....	\$64 million
Collaborative Research and Engagement.....	\$80 million



NATIONAL ECONOMIC BENEFITS

NETL conducted an economic analysis using a state-level input-output model to quantify the laboratory's total economic impact on the three states in which its laboratory research sites reside; Oregon, Pennsylvania, and West Virginia. The analysis revealed that NETL injected a total of \$966 million directly into those states economies in 2022. These economic impacts include jobs at NETL research sites, filled by federal and contractor employees, as well as NETL's spending on grants, R&D awards, cooperative agreements, contracts, and purchase orders within the laboratory's host states.

NETL's impact on the three state economies is greater than the total of the laboratory's direct spending, because money spent by NETL is spent again by the recipient employees and businesses. This economic "ripple effect" is captured in the model through a series of multipliers that provide estimates of the number of times each dollar of direct spending cycles through the state economy in the form of additional (indirect and induced) spending, personal income, and employment. The analysis revealed that NETL injected a total of \$966 million directly into those states economies in 2022.

Contacts

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