

# NETL OVERVIEW



For more than a century, the National Energy Technology Laboratory (NETL) has been a world-class technology innovation center with a global impact across the energy sector and beyond, including the defense and healthcare sectors. Today, NETL continues to address critical energy, infrastructure and manufacturing challenges by accelerating cutting-edge, cost-effective technological solutions, enabling low-carbon supply chains, and creating 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. This is accomplished by developing technologies to manage carbon across the full life cycle, thus promoting environmental sustainability for all Americans.

May 2024



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

NETL drives impactful research and development (R&D) within its laboratories and beyond. The laboratory conducts significant in-house R&D while managing R&D portfolios for various U.S. Department of Energy (DOE) offices, including the Office of Fossil Energy and Carbon Management (FECM); the Office of Energy Efficiency and Renewable Energy (EERE); the Office of Cybersecurity, Energy Security, and Emergency Response (CESER); the Office of Electricity (OE); the Grid Deployment Office (GDO); the Office of Manufacturing and Energy Supply Chains (MESC); and the Joint Office of Energy and Transportation. NETL's external R&D portfolio includes more than 1,100 projects – totaling an award value of more than \$6 billion and a cost-share of more than \$1.4 billion – with more than 500 partners from small and large businesses, national and international research organizations, colleges and universities, and other government laboratories, including NETL's sister DOE national laboratories. Through these partnerships, the laboratory fosters the growth of groundbreaking technologies that propel economic progress while diminishing risks.

Albany, OR • Morgantown, WV • Pittsburgh, PA • Houston, TX



**SITE INFORMATION**



- 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

**R&D CAMPUSES**



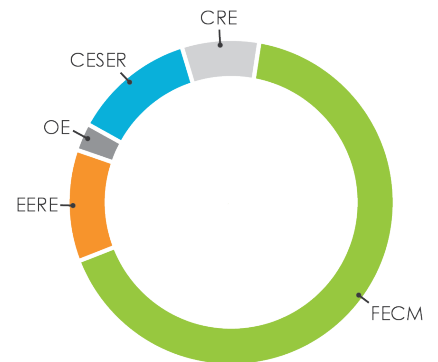
**STRATEGIC OFFICE**



**FY 2024 BUDGET**

**\$1.3 BILLION**

Fossil Energy and Carbon Management (FECM).....	\$865 million
Energy Efficiency and Renewable Energy (EERE) .....	\$144 million
Office of Electricity (OE) .....	\$36 million
Cybersecurity, Energy Security, and Emergency Response (CESER) .....	\$158 million
Collaborative Research and Engagement (CRE).....	\$100 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’s 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 states’ 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.

**Contacts**

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