

ECONOMIC IMPACTS OF NETL UNITED STATES

NETL

NATIONAL ENERGY TECHNOLOGY LABORATORY

The U.S. Department of Energy's National Energy Technology Laboratory (NETL) is the nation's laboratory dedicated to advancing carbon management and resource sustainability technologies. As the country's only government-owned and -operated energy laboratory, it plays a pivotal role in bridging early-stage research with practical energy solutions. NETL boasts wide-ranging expertise and drives impactful research and development (R&D) within its laboratories and beyond.

The Laboratory 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, Energy Efficiency and Renewable Energy, Cybersecurity, Energy Security and Emergency Response, Electricity, as well as the Grid Deployment Office, Manufacturing and Energy Supply Chains Office, and the Joint Office of Energy and Transportation. Our research portfolio spans 1,000 R&D activities across 49 states.

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.

ECONOMIC IMPACTS OF NETL UNITED STATES

NETL conducted an economic analysis using an input-output (IO) model to quantify the Laboratory's economic impacts on the United States. The two tables below summarize NETL's impacts on the national economy in 2023.

The first table includes employment and salaries of individuals employed in the United States at NETL as either federal employees or site support contractors (full-time equivalents), as well as NETL's spending on grants, R&D awards, contracts, cooperative agreements and purchase orders, within the country. The analysis revealed that NETL injected \$1.0 billion (\$1.0B) directly into the nation's economy in 2023.

Summary of NETL Expenditures and Number of Employees (U.S.)

Impact Category	
Federal Employment and Site Support Contractor (full-time equivalent jobs)	1,471
Total Expenditures	\$1.0B

NETL's impact on the U.S. economy is greater than the Lab's total 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 impact of each dollar of direct spending cycling through the national economy in the form of additional (indirect and induced) spending, personal income and employment. The analysis concluded that NETL had a total estimated impact of \$2.8 billion (\$2.8B) on the U.S. economy in 2023 (see table below).

NETL's Total Economic Impact on the United States, 2023

Impact Category	
Jobs (direct, indirect and induced full-time equivalent jobs)	14,835
Total Economic Impact (direct, indirect and induced)	\$2.8B

NETL is a U.S. Department of Energy national laboratory that drives innovation and delivers technological solutions for an environmentally sustainable and prosperous energy future. Through its world-class scientists, engineers and research facilities, NETL is ensuring affordable, abundant and reliable energy that drives a robust economy and national security, while developing technologies to manage carbon across the full life cycle, enabling environmental sustainability for all Americans, advancing environmental justice and revitalizing the economies of disadvantaged communities. Leveraging the power of workforce inclusivity and diversity, highly skilled innovators at NETL's research laboratories in Albany, Oregon; Morgantown, West Virginia; and Pittsburgh, Pennsylvania conduct a broad range of research activities that support DOE's mission to ensure America's security and prosperity by addressing its energy and environmental challenges through transformative science and technology solutions.