

ECONOMIC IMPACTS OF NETL UNITED STATES

NETL

NATIONAL ENERGY TECHNOLOGY LABORATORY

The U.S. Department of Energy's National Energy Technology Laboratory (NETL) is driving innovation and delivering solutions for an environmentally sustainable and prosperous energy future by 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, and enabling environmental sustainability for all Americans. NETL focuses on science and technology development leading to commercialization of low-cost, reliable energy that spurs economic development while mitigating technical and environmental risks. NETL continues to address critical energy, infrastructure, and manufacturing challenges that are cost effective, enable low-carbon supply chains, and create cleaner and better paying American jobs for sustained economic growth.



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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 2021.

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 \$881 million (\$881M) directly into the nation's economy in 2021.

Summary of NETL expenditures and number of on-site employees (U.S.)

Impact Category	
Federal Employment and Site Support Contractor (full-time equivalent jobs)	1,350
Total Expenditures	\$881M

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 \$2.4 billion (\$2.4B) on the U.S. economy in 2021 (see table below).

NETL's Total Economic Impact on the United States, 2021

Impact Category	
Jobs (direct, indirect, and induced full-time equivalent jobs)	12,471
Total Economic Impact (direct, indirect, and induced)	\$2.4B

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.