

ECONOMIC IMPACTS OF NETL UNITED STATES



NETL

NATIONAL ENERGY TECHNOLOGY LABORATORY

For more than 100 years, the U.S. Department of Energy National Energy Technology Laboratory (NETL) has innovated technologies to provide clean, reliable, affordable energy to the American people. NETL's broad range of energy and environmental research and development programs will return benefits for generations to come, while serving as an important economic catalyst for the nation. The Laboratory's research enables domestic coal, natural gas, and oil to economically power our Nation's homes, industries, businesses, and transportation while protecting our environment and enhancing our energy security and independence.



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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 2018.

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 \$711 million (\$711M) directly into the nation's economy in 2018.

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

Impact Category	
Federal Employment and Site Support Contractor (full-time equivalent jobs)	1,180
Total Expenditures	\$711 M

The impact of NETL on the U.S. economy is greater than the total of the lab'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 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 (see table below). It was found that NETL had a total estimated impact of \$1,907 million (\$1,907M) on the U.S. economy in 2018 (see table below).

Total Economic Impact of NETL on the United States, 2018

Impact Category	
Jobs (direct, indirect, and induced full-time equivalent jobs)	10,067
Total Economic Impact (direct, indirect, and induced)	\$1,907 M