



# ECONOMIC IMPACTS OF NETL UNITED STATES

# NETL

NATIONAL **ENERGY** TECHNOLOGY LABORATORY

For more than 100 years, the U.S. Department of Energy's 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 develops domestic coal, natural gas, and oil to economically power our Nation's homes, industries, businesses, and transportation while protecting our environment by increasing efficiency, reducing emissions and enhancing our energy security and independence.

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U.S. DEPARTMENT OF  
**ENERGY**



October 2020

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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 2019.

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 \$760 million (\$760M) directly into the nation's economy in 2019.

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

| Impact Category  |        |
|--|--------|
| Federal Employment and Site Support Contractor (full-time equivalent jobs) | 1,257  |
| Total Expenditures   | \$760M |

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 \$2,038 million (\$2,038M) on the U.S. economy in 2019 (see table below).

NETL's Total Economic Impact on the United States, 2019

| Impact Category  |          |
|--|----------|
| Jobs (direct, indirect, and induced full-time equivalent jobs) | 10,761   |
| Total Economic Impact (direct, indirect, and induced)          | \$2,038M |