STATE ECONOMIC IMPACTS OF NETL

WEST VIRGINIA

NETL

NATIONAL ENERGY TECHNOLOGY LABORATORY

Located in Morgantown, the U.S. Department of Energy National Energy Technology Laboratory (NETL) serves as an important economic catalyst for the state of West Virginia. Founded as part of a war-time effort during World War II to develop processes for producing synthesis gas from coal, NETL's West Virginia Laboratory has grown to a full-service fossil energy innovation center. Today the Laboratory investigates energy technologies related to geological and environmental sciences, energy conversion, computational science and more—all with the common goal of advancing energy and environmental technologies into the marketplace. West Virginia is well known as a region that is rich in fossil energy resources, and NETL is innovating ways of using these resources more cleanly and efficiently. Through its research activities, science education programs, employment, and operational activities, NETL continues to bolster the regional economy while advancing energy science and engineering.

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NETL conducted an economic analysis using a state-level input-output (IO) model to quantify the laboratory's economic impacts on West Virginia. The two tables below summarize NETL's impacts on West Virginia's economy in 2017.

The first table includes employment and salaries of individuals employed in West Virginia 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 West Virginia. The analysis revealed that NETL injected $82 million ($82M) directly into the state economy in 2017.

Summary of NETL expenditures and number of on-site employees (WV)

Impact Category	
Federal Employment and Site Support Contractor (full-time equivalent jobs)	532
Total Expenditures	**$82 M**

The impact of NETL on West Virginia'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 IO model through a series of multipliers that provide estimates of the impact of each dollar of direct spending cycling through the state economy in the form of additional (indirect and induced) spending, personal income, and employment. It was found that NETL had a total estimated impact of $151 million ($151M) on West Virginia's economy in 2017 (see table below).

Total Economic Impact of NETL on the State of West Virginia, 2017

Impact Category	
Jobs (direct, indirect, and induced full-time equivalent jobs)	1,074
Total Economic Impact (direct, indirect, and induced)	**$151 M**