

STATE ECONOMIC IMPACTS OF NETL OREGON



NETL

NATIONAL ENERGY TECHNOLOGY LABORATORY

Originally founded to discover methods for developing new metallurgical processes that use the Albany area's abundant electrical energy, the U.S. Department of Energy's National Energy Technology Laboratory (NETL) has long been an economic asset to the state of Oregon. The work of researchers at NETL's Oregon Laboratory led to the birth of both the titanium and zirconium industries. In addition, the Lab is located in the heart of the reactive and high-temperature metals industries, several of which were spun out of NETL research or were brought into existence through partnerships between the Laboratory and the metals manufacturers located in the vicinity. Today, NETL continues its legacy of making unique contributions to materials science. Through its research activities, science education programs, employment, and operational activities, NETL serves as an important economic catalyst for Oregon.



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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 Oregon. The two tables below summarize NETL's impacts on Oregon's economy in 2019.

The first table includes employment and salaries of individuals employed in Oregon 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 Oregon. The analysis revealed that NETL injected \$23 million (\$23M) directly into the state economy in 2019.

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

Impact Category	
Federal employment and Site Support Contractor (full-time equivalent jobs)	122
Total Expenditures	\$23M

NETL's impact on Oregon'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 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. The analysis concluded that NETL had a total estimated impact of \$41 million (\$41M) on Oregon's economy in 2019 (see table below).

NETL's Total Economic Impact on the State of Oregon, 2019

Impact Category	
Jobs (direct, indirect, and induced full-time equivalent jobs)	270
Total Economic Impact (direct, indirect, and induced)	\$41M