

# 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 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 2016. All dollar figures presented in the tables are in millions of dollars.

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 \$17 million (\$17M) directly into the state economy in 2016.

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

Impact Category	
Federal employment and Site Support Contractor (full-time equivalent jobs)	117
Total Expenditures	<b>\$17 M</b>

The impact of NETL on Oregon'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 measured 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 \$30 million (\$30M) on Oregon's economy in 2016 (see table below).

## Total Economic Impact of NETL on the State of Oregon, 2016

Impact Category	
Jobs (direct, indirect, and induced full-time equivalent jobs)	207
Total Economic Impact (direct, indirect, and induced)	<b>\$30 M</b>