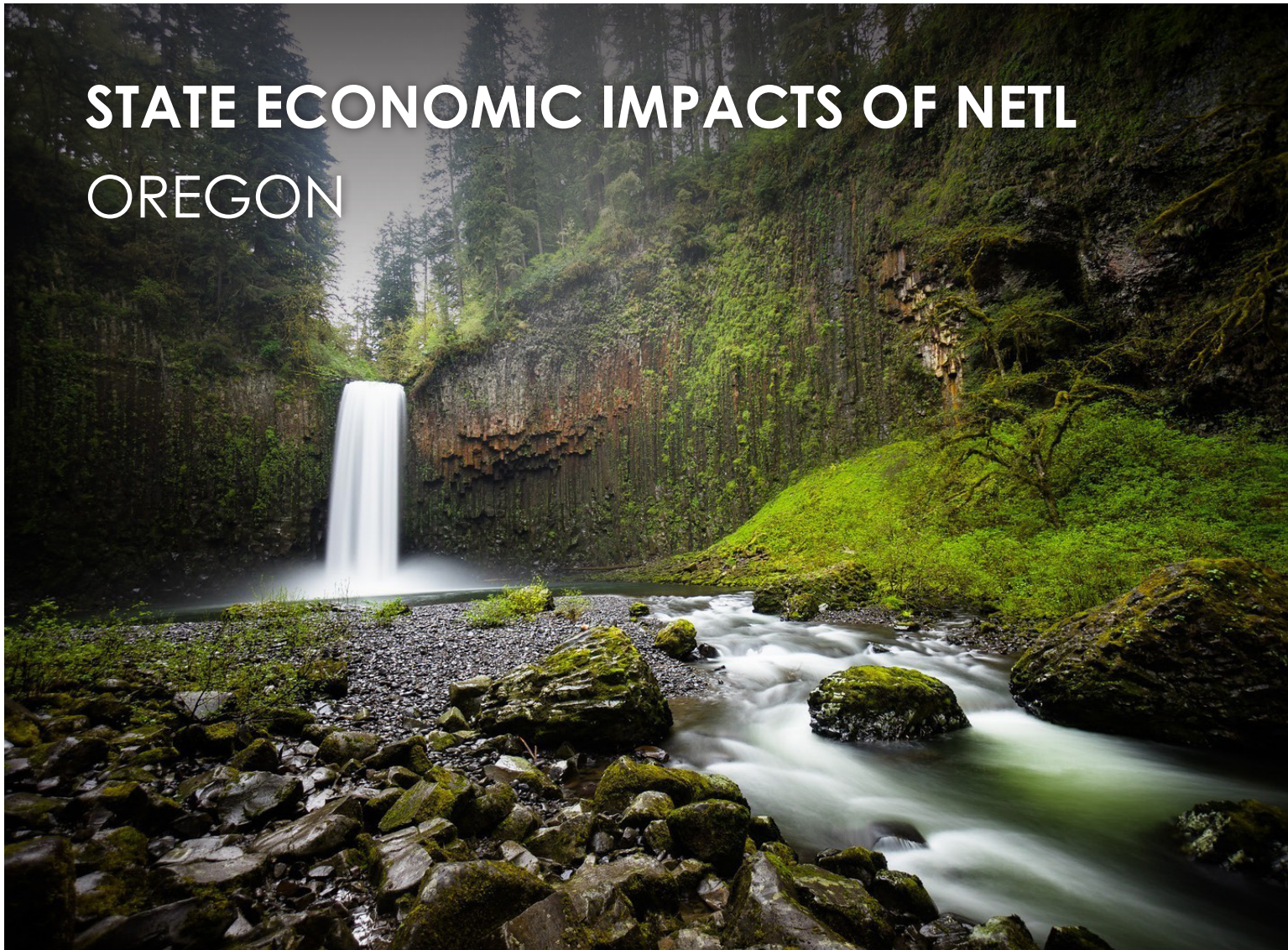


STATE ECONOMIC IMPACTS OF NETL OREGON



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 to develop cost-effective, high performance alloys that are a key enabler for advanced energy systems and other critical technologies. Through its research activities, science education programs, employment, and operational activities, NETL serves as an important economic catalyst for Oregon.

ECONOMIC IMPACTS OF NETL OREGON

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 2021.

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 \$27 million (\$27M) directly into the state economy in 2021.

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

Impact Category	
Federal employment and Site Support Contractor (full-time equivalent jobs)	137
Total Expenditures	\$27M

NETL's impact on the U.S. economy is greater than the lab's total direct spending because the money 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 \$48 million (\$48M) on Oregon's economy in 2021 (see table below).

NETL's Total Economic Impact on the State of Oregon, 2021

Impact Category	
Jobs (direct, indirect, and induced full-time equivalent jobs)	312
Total Economic Impact (direct, indirect, and induced)	\$48M

NETL is a U.S. Department of Energy national laboratory that drives innovation and delivers technological solutions for an environmentally sustainable and prosperous energy future. Through its world-class scientists, engineers and research facilities, NETL is ensuring affordable, abundant and reliable energy that drives a robust economy and national security, while developing technologies to manage carbon across the full life cycle, enabling environmental sustainability for all Americans, advancing environmental justice and revitalizing the economies of disadvantaged communities. Leveraging the power of workforce inclusivity and diversity, highly skilled innovators at NETL's research laboratories in Albany, Oregon; Morgantown, West Virginia; and Pittsburgh, Pennsylvania conduct a broad range of research activities that support DOE's mission to ensure America's security and prosperity by addressing its energy and environmental challenges through transformative science and technology solutions.