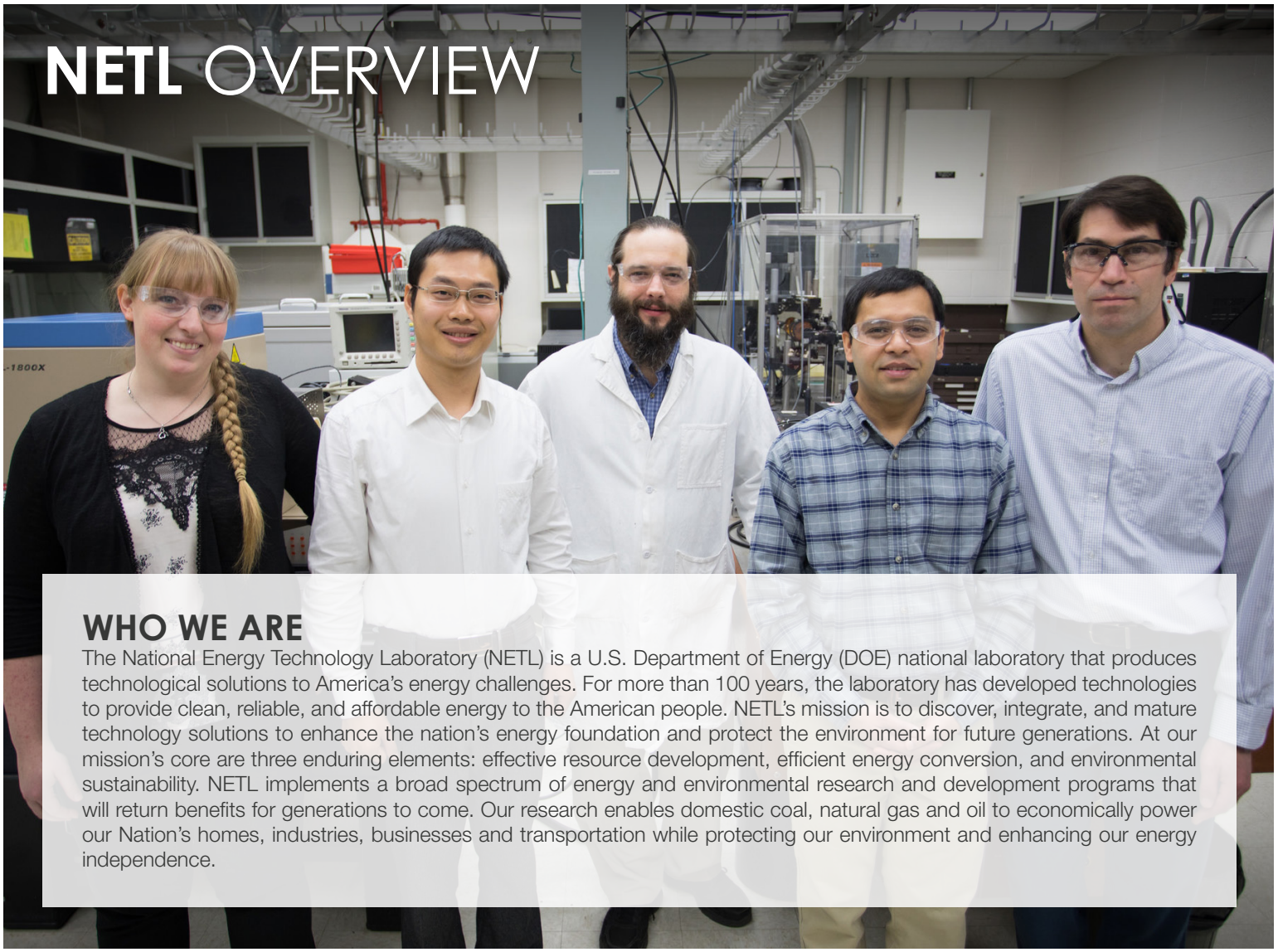
NETL OVERVIEW



WHO WE ARE

The National Energy Technology Laboratory (NETL) is a U.S. Department of Energy (DOE) national laboratory that produces technological solutions to America's energy challenges. For more than 100 years, the laboratory has developed technologies to provide clean, reliable, and affordable energy to the American people. NETL's mission is to discover, integrate, and mature technology solutions to enhance the nation's energy foundation and protect the environment for future generations. At our mission's core are three enduring elements: effective resource development, efficient energy conversion, and environmental sustainability. NETL implements a broad spectrum of energy and environmental research and development programs that will return benefits for generations to come. Our research enables domestic coal, natural gas and oil to economically power our Nation's homes, industries, businesses and transportation while protecting our environment and enhancing our energy independence.

NETL

NATIONAL ENERGY TECHNOLOGY LABORATORY

WHAT WE DO

NETL is distinguished by its strategic focus on applied research programs that are directly linked to the laboratory's aim of driving technology to the marketplace. NETL's research addresses such national energy challenges as developing and deploying advanced energy conversion systems; development of materials, sensors, and advanced computer systems for future energy systems; enhanced natural gas and oil production and environmentally prudent resource development; safe and efficient natural gas transmission and delivery systems; unlocking methane hydrate resources; and carbon management.

NETL's core research competencies include computational science and engineering; materials engineering and manufacturing; geological and environmental systems; energy conversion engineering; systems engineering and analysis; and program execution and integration. NETL also possesses extensive project management capabilities that it uses to shape, fund, and manage research throughout the United States. The laboratory's research portfolio includes more than 936 projects and activities, with a total award value that exceeds $6 billion and private sector cost-sharing of more than $3 billion. In addition, NETL conducts studies of large, complex energy systems and the interactions among those systems. Published results of these studies supply analysis and insight that form a technical foundation for the policymakers responsible for providing direction and funds to meet national energy goals.

NETL OVERVIEW

SITE INFORMATION

237 Acres
116 Buildings

$577.4M
Replacement Value

1,141,000+
GSF in Buildings
(GSF - gross square footage)

11,100+
GSF in Leased Facilities

1,234 Full-time Equivalent Employees (FTEs)
78 Joint Faculty
124 Postdoctoral Researchers
101 Graduate Students
43 Undergraduate Students

Employee and Research Associate data as of November 2018


Albany, OR


Anchorage, AK


Houston, TX

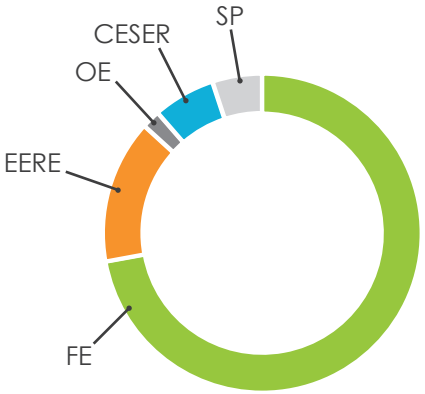

Morgantown, WV


Pittsburgh, PA

FY 2019 BUDGET

$1.03 billion

Fossil Energy (FE) ..... $740 million
Energy Efficiency and Renewable Energy (EERE) ..... $150 million
Electricity Delivery and Energy Reliability (OE) ..... $19 million
Cybersecurity, Energy Security, and Emergency Response (CESER) ..... $65 million
Strategic Partnerships (SP) ..... $45 million



REGIONAL ECONOMIC BENEFITS

NETL conducted an economic analysis using a state-level input-output model to quantify the laboratory's total economic impact on the three states in which its laboratory research sites reside; Oregon, Pennsylvania, and West Virginia. The analysis revealed that NETL injected a total of $202 million directly into those states' economies in 2017. These economic impacts include jobs at NETL research sites, filled by federal and contractor employees, as well as NETL's spending on grants, R&D awards, cooperative agreements, contracts, and purchase orders within the laboratory's host states.

NETL's impact on the three state economies is greater than the total of the laboratory'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 model through a series of multipliers that provide estimates of the number of times each dollar of direct spending cycles through the state economy in the form of additional (indirect and induced) spending, personal income, and employment. It was determined that NETL had a total estimated impact of $408 million on the three state economies in 2017.

Contact

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