



NSF & OREGON

FAST FACTS

\$193,348,000

Total NSF awards to Oregon in FY19

\$66,035,000

Amount invested in fundamental research in Oregon in FY19

\$19,192,000

Amount invested in STEM education in Oregon in FY19

\$3,187,000

Amount invested in Oregonian startups through NSF's small business program in FY19

TOP 3 NSF-FUNDED ACADEMIC INSTITUTIONS FOR FY19

\$148,711,000

Oregon State University

\$16,397,000

Portland State University

\$14,767,000

University of Oregon, Eugene

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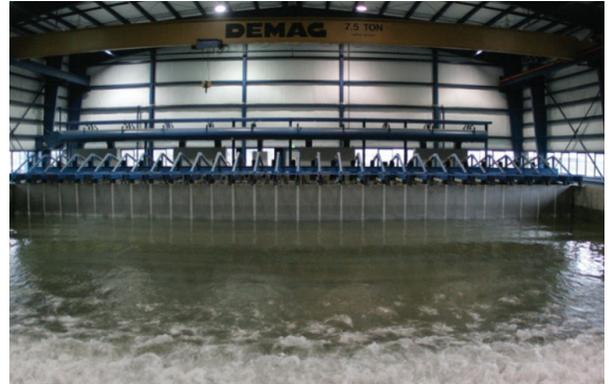


In Fiscal Year (FY) 2019, the **National Science Foundation made \$193,348,000** to Oregon in support of fundamental research, advanced technical education, entrepreneurial training, STEM teacher training, long-term ecological monitoring, small business development, major research instrumentation and more.

DID YOU KNOW?

IMPACT | The Regional Class Research Vessel (RCRV) project is a major research facilities construction project funded by NSF and led by **Oregon State University**. The RCRV project is a major component in the plan for right-sizing and modernizing the U.S.

Academic Research Fleet and will provide vessels essential for U.S. coastal ocean research. The project is funded through a cooperative agreement with Oregon State University (OSU) to manage the design, construction, and commissioning of three RCRVs, and operation of the first RCRV (R/V Taani), a Native Tribal language (Siletz) word meaning "offshore", pronounced "tawney". OSU has contracted with Gulf Island Shipyards in Houma, LA for construction of all RCRVs.



The O.H. Hinsdale Wave Research Laboratory is the largest tsunami and storm wave research facility in the United States and among the top 10 in the world.

Image Credit: Oregon State University (CC BY-SA 2.0)

STEM WORKFORCE DEVELOPMENT | In FY 2019 **Pacific University** received a five-year (2019-2024) Noyce Teacher Scholarship award. Noyce is a program that prepares high-quality STEM teachers for local high-need, rural school districts. This project will develop a supported pathway into long term teaching careers for 60 undergraduate STEM majors or STEM career changers. It will prepare these Noyce Teacher Scholars to be highly-effective teachers who can use culturally responsive teaching methods to support their students' success in STEM.

SUPPORTING STUDENTS | With a \$1.2 million three-year grant from NSF, a team at the **University of Oregon, Eugene**, is expanding a STEM mentoring program that pairs Oregon high school students with undergraduates from underrepresented communities. Participants create "My STEM Story" videos about their struggles and successes as students working in STEM. The videos can then be viewed by high school classes with high minority populations with the goal of broadening participation of students from groups historically underrepresented in STEM-related education pathways and careers.

SCIENCE & ENGINEERING INDICATORS | **5.02%** of the Oregon workforce is employed in S&E occupations, and 8.20% of Oregon business establishments are industries with high employment in science, engineering and technology (SET) occupations.[†]

FACILITY | Located in Oregon's western Cascades Mountains, the H.J. Andrews Experimental Forest Long-term Ecological Research (LTER) site is one of 28 LTER sites funded by NSF. Andrews Forest was a charter member of the LTER network when it began in 1980. The network supports sustained observations of the environment. The Andrews Forest site, which covers 16,000 acres, provides research on forests, streams and watersheds, and integrates this research into education outreach and research-management partnerships with Oregon organizations. In 2014, **Oregon State University** received a six-year, \$5.7 million grant from NSF to fund research at Andrews Forest.

[†]National Science Board, National Science Foundation. 2020. Science and Engineering Indicators 2020: The State of U.S. Science and Engineering. NSB-2020-1. Alexandria, VA. Available at <https://nces.nsf.gov/pubs/nsb20201/>.