



U.S. National
Science Foundation



ALASKA

FY 2023 Fast Facts



\$60,877,000

Total NSF Awards to Alaska



\$59,396,000

Invested in Fundamental Research in Alaska



\$1,481,000

Invested in STEM Education in Alaska



\$117,000

Invested in Alaska Businesses

Top NSF-funded Academic Institutions for FY 2023

University of Alaska
Fairbanks

\$51,226,000

University of Alaska
Anchorage

\$4,908,000

Alaska Pacific University

\$3,108,000

NSF By The Numbers

The U. S. National Science Foundation (NSF) is an [\\$9.06 billion](#) independent federal agency created by Congress in 1950 to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense. NSF's vital role is to support basic research and researchers who create knowledge that transforms the future.

DID YOU KNOW?

NSF has funded the work of **261** Nobel Prize winners over 75 years.



\$9.06B

FY 2024
Total Enacted

93%
Funds research,
education and
related activities



11K
Awards



1.9K
Institutions



353K
People

**Data represents FY 2023 Actuals unless otherwise indicated*



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Expanding the Frontiers of Science

Remote and islanded (non-grid-connected) regions rely on delivered diesel fuel for power generation, leaving them vulnerable to expensive market fluctuations and supply chain disruptions. These regions also face the most pressing scientific and societal challenges in adapting their energy infrastructure for climate resilience. While the technology exists to transition away from fossil fuels, there is a disparity between the application and adoption of these technologies for remote, islanded communities on microgrids and other high-income, grid-connected areas of the United States. The **University of Alaska Fairbanks** is leading an Experiential Learning for Emerging and Novel Technologies award to advance the national health, prosperity and welfare of remote, islanded and underserved communities at the front line of climate impacts by empowering rural energy specialists to integrate emerging clean energy technologies into their microgrids. The Energy Leadership Accelerator invests in local energy leaders in the design and implementation of community energy projects that adopt emerging renewable energy technologies—such as solar and wind microgrids and battery energy storage systems—and build sustainable opportunities for the local workforce.



STEM Education and Broadening Participation

With support from the Louis Stokes Alliances for Minority Participation (LSAMP), funded through the NSF LSAMP program, the **University of Alaska Anchorage** is effecting a systemic change in the hiring patterns of Alaska Natives in STEM professions. The focus of the effort is to eradicate the belief that minority students are not science and engineering material; inspire students to complete advanced science and math coursework in middle and high school; and develop students so they are socially and academically hyper-prepared for undergraduate STEM degrees when they arrive at the university. Since the first LSAMP award in 2001, the Alliance has graduated 1,296 minority STEM students and nearly quadrupled the average annual number of underrepresented STEM undergraduate degrees. The alliance includes all 19 campuses within the University of Alaska system.



Regional Innovation Engines

U.S. National Science Foundation Regional Innovation Engines (NSF Engines) Development Awards help organizations create connections and develop their local innovation ecosystem within two years to prepare a strong proposal for becoming a future NSF Engine. The program seeks regional teams rooted within industry, academia, government, nonprofits, civil society and communities of practice to catalyze and foster innovation ecosystems across the U.S. to advance critical technologies, address national and societal challenges, promote economic growth and job creation, spur sustainable regional innovation and nurture diverse talent.

To stay in the loop about future funding calls and opportunities to engage, [sign up for the NSF Engines newsletter](#).

EPSCoR

COMPETITIVE RESEARCH | Alaska is one of 28 U.S. states or territories under the [NSF Established Program to Stimulate Competitive Research \(EPSCoR\)](#). **\$3,914,441** in awards have been made to Alaska academic institutions through EPSCoR in FY 2023. For more information, visit Alaska's EPSCoR state web page.

NCSES

According to the [NSF National Center for Science and Engineering Statistics \(NCSES\)](#), which is housed in NSF, 42% of science, engineering and health doctorates conferred in Alaska are made in life sciences. [Visit Alaska's science and engineering state profile to learn more!](#)

- 30.86%** of Alaska's [higher education degrees are concentrated in S&E fields](#).
- 4.70%** of Alaska's [workforce is employed in S&E occupations](#).
- 1.54%** of Alaska's [total employment is attributable to knowledge - and technology - intensive industries](#).

Learn More

CHIPS & SCIENCE – The CHIPS and Science Act's investments in the U.S. National Science Foundation will help the United States remain a global leader in innovation. Implementation of this legislation will be key to ensuring that ideas, talent and prosperity are unleashed across all corners of the nation. [For more information, please visit the NSF CHIPS and Science website.](#)

RESEARCH SECURITY – NSF is committed to safeguarding the integrity and security of science and engineering while also keeping fundamental research open and collaborative. NSF seeks to address an age of new threats and challenges through close work with our partners in academia, law enforcement, intelligence and other federal agencies. By fostering transparency, disclosure and other practices that reflect the values of research integrity, NSF is helping to lead the way in ensuring taxpayer-funded research remains secure. [To learn more, please visit the NSF Research Security website.](#)

CONNECT WITH NSF – For more information on NSF's impact in your state, please contact the NSF Office of Legislative and Public Affairs at congressionalteam@nsf.gov.