

# RWFI E-NOTE MONTHLY

REGIONAL WORKFORCE INITIATIVE • JUNE 2024

## Welcome Message

Greetings NETL RWFI stakeholders,

In this month's funding opportunity in focus is DOE's *Methane Emissions Reduction Program Oil and Gas Methane Monitoring and Mitigation* program. Also in this month's E-Note is the announcement of the opening of the *U.S. DOE and National Science Foundation New Clean Hydrogen Internship Program*. Visit the links or article in this e-note for more information about application requirements and deadlines.

Attached to this email is a hyperlinked PDF version of this note. If you would like to unsubscribe, please reply "unsubscribe" to this email.

— Sincerely, The NETL RWFI Team

## Workforce Funding Announcements

FUNDING SPOTLIGHT

*Inflation Reduction Act (IRA)—Methane Emissions Reduction Program Oil and Gas Methane Monitoring and Mitigation*

**Department of Energy, Deadline, Aug. 26, 2024**

The objective of this Funding Opportunity Announcement (FOA) is to make funds available to a variety of entities for the purpose of mitigating methane emissions from marginal conventional wells and other oil and natural gas assets; accelerating the commercialization, scale-up and application of innovative methane emissions reduction technologies; and advancing the characterization and reduction of methane emissions through multi-scale, measurement-informed data collection and analysis.

*Science of Learning and Augmented Intelligence*

**National Science Foundation, Deadline, Aug. 7, 2024**

Science of Learning and Augmented Intelligence supports potentially transformative research that develops basic theoretical insights and fundamental knowledge about principles, processes and mechanisms of learning, and about augmented intelligence—how human cognitive function can be augmented through interactions with others, with technology, or through variations in context.

*Innovative Technology Experiences for Students and Teachers*

**National Science Foundation, Deadline, Aug. 9, 2024**

The economic prosperity and national security of the United States is reliant upon the nation's capacity to remain globally competitive in the technological and computational fields. The nation's competitiveness, however, is contingent upon its capacity to educate the next generation. Learning and teaching must be reimagined to better

represent the diverse composition and perspective of our nation's people and be expanded to encompass all pathways for students to receive a high-quality STEM education.

*Fiscal Year (FY) 2025 Brownfields Job Training Grants*

**Environmental Protection Agency, Deadline, Aug. 15, 2024**

Training programs funded by the Brownfields Job Training Grant provide program graduates with the opportunity to seek and obtain environmental jobs that contractors may otherwise fill from outside the affected community. The Environmental Protection Agency (EPA) intends to use this grant opportunity to support the creation of good-paying jobs with the free and fair choice to join a union and the incorporation of strong labor standards and workforce programs. Brownfields Job Training Grants help residents take advantage of jobs across a spectrum of brownfield related activities, including the assessment, cleanup, remediation, and planning/site preparation for the revitalization of brownfields.

*FY24 Department of Navy (DON) STEM Education and Workforce Program*

**Office of Naval Research, Deadline, Aug. 30, 2024**

The Office of Naval Research is interested in receiving a broad range of proposals for augmenting existing and/or developing innovative solutions that directly maintain and/or cultivate a diverse, world-class STEM workforce to maintain the U.S. Navy and Marine Corps' technological superiority. The goal of proposed efforts must provide solutions that establish, build, and/or maintain STEM educational pathways of U.S. citizens directly relevant to the needs of DON's current and future workforce.

*Tribal Colleges and Universities Program (TCUP)*

**National Science Foundation, Deadline, Sept. 3, 2024**

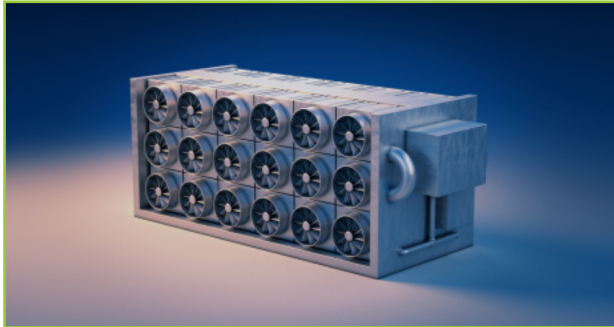
TCUP provides awards to federally recognized Tribal Colleges and Universities, Alaska Native-serving institutions, and Native Hawaiian-serving institutions to promote high quality STEM education (including sociology, psychology, anthropology, linguistics, economics and bioeconomics, statistics, and other social and behavioral sciences; natural sciences; and computer science—including, but not limited to, artificial intelligence, quantum information science, and cybersecurity), as well as research and outreach.

NETL News



*DOE And EPA Announce \$850M to Reduce Methane Pollution from the Oil and Gas Sector*

The DOE and EPA today announced that applications are open for \$850M in federal funding for projects that will help monitor, measure, quantify, and reduce methane emissions from the oil and gas sectors as part of President Biden’s Investing in America agenda. Oil and natural gas facilities are the nation’s largest industrial source of methane, a climate “super pollutant” that is many times more potent than CO<sub>2</sub> and is responsible for approximately one third of the warming from greenhouse gases occurring today. Today’s announcement builds on unprecedented action across the Biden Administration to dramatically cut methane pollution, with agencies taking nearly 100 actions in 2023 alone, including the finalization of an EPA rule that will yield an 80% reduction in methane emissions from covered oil and gas facilities.



*NETL Expertise to Help Develop Standards for Direct Air Capture (DAC) Industry*

NETL will help guide the development of new science-based performance metrics, testing methods, and standards for DAC—a critical emerging technology to address climate change by removing CO<sub>2</sub> from the atmosphere and meet the nation’s decarbonization goals.



*NETL Microwave Projects Driving Decarbonization and Electrification of Industrial Chemical Processes*

Recognizing the potential of NETL’s microwave technology to decarbonize critical sectors of the economy, DOE’s Industrial Efficiency & Decarbonization Office has awarded federal funding for multiple new projects intending to drive transformational technology and innovation necessary to reduce industrial greenhouse gas emissions.



*NETL-Led Project for Reducing Methane Emissions from Marginally Producing Wells Releases Measurement Guidance*

NETL, led by DOE’s Office of Fossil Energy and Carbon Management (FECM), announces the release of detailed report that presents key guidelines for measuring methane emissions from marginally producing oil and natural gas wells. The guidelines were developed to assist the 14 states awarded funding under Funding Opportunity DE-FOA-0003109. This report was made possible through a partnership between NETL and the EPA.



*NETL Supports Program to Improve Mobility, Access to Transportation in Rural Communities*

Residents in Greene County, PA, can now request rides to health care appointments and other services as part of a four-month pilot program, advanced with NETL oversight and support, to bring mobility and efficient transportation solutions to rural America.



**DOE Invests More Than \$9M to Advance Clean Hydrogen Projects**

The DOE’s FECM today announced six projects selected to receive approximately \$9.3M in federal funding to develop cutting-edge technology solutions to make clean hydrogen a more available and affordable fuel for electricity generation, industrial decarbonization, and transportation. The projects will focus on advancing hydrogen systems that convert varied waste feedstock materials into clean energy with superior environmental performance to help achieve the Biden-Harris Administration’s historic decarbonization goals.



**Carbon Storage Assessment Tool Upgraded, Released by NETL**

NETL has released version five of a user-friendly, sophisticated database that can be used to estimate the CO<sub>2</sub> storage potential of underground geological environments, helping stakeholders make more informed decisions that could improve the efficiency, safety, and long-term stability of CO<sub>2</sub> storage.

**Reports and Resources**

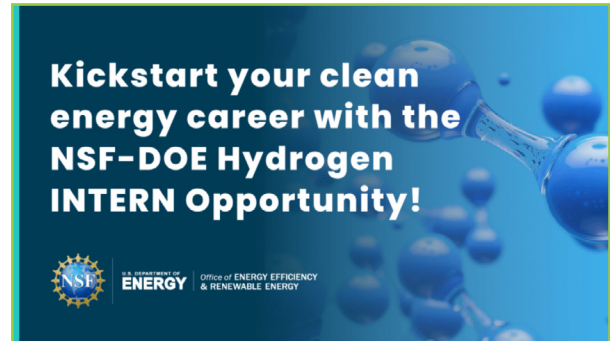


**National Wind Workforce Assessment: Challenges, Opportunities, and Future Needs**

A new National Renewable Energy Laboratory report—National Wind Workforce Assessment: Challenges, Opportunities, and Future Needs—estimates that in 2030, the demand for workers could reach

258,000, whereas the supply of full-time workers might reach only 134,000—a shortfall of approximately 124,000 workers.

**DOE STEM Rising**



**DOE and National Science Foundation (NSF) Announce New Clean Hydrogen Internship Program**

The DOE’s Office of Energy Efficiency and Renewable Energy (EERE) and the NSF announced a new internship program to support workforce development goals outlined in the U.S. National Clean Hydrogen Strategy and Roadmap. This new Hydrogen Non-Academic Research Internships for Graduate Students (INTERN) collaboration is funded by EERE’s Hydrogen and Fuel Cell Technologies Office as part of NSF’s INTERN program. The program will support up to 10 six-month research internships per year for graduate students involved in active NSF grants, who are interested in professional development and training for careers that support the emerging clean hydrogen economy.

**DOE to Support 1,073 Outstanding Undergraduate Students and 113 Faculty Members from Institutions Underrepresented in the Scientific Research Enterprise**

The DOE’s Office of Science will sponsor the participation of 1,073 undergraduate students and 113 faculty members in three STEM-focused workforce development programs at 17 DOE national laboratories and a national fusion facility during Summer 2024. Collectively, these programs ensure DOE and our nation have a strong, sustained workforce trained in the skills needed to address the energy, environment, and national security challenges of today and tomorrow.

## ABOUT NETL



*NETL*, owned and operated by DOE, is one of the Department's 17 National Laboratories. NETL supports DOE's mission to advance the national, economic, and energy security of the United States.

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