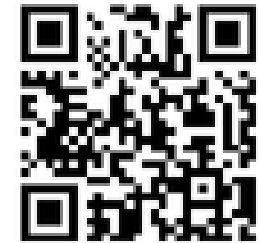


Welcome to the

Clean Energy Careers for All (CEC4A) Opportunity Informational Webinar/ Objective Strategic Session (IW/OSS)

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TechWerx

A DOE Innovation Hub

Connecting visionaries, researchers, industry and energy leaders with the opportunities and experts to build the ecosystem, technologies, workforce and infrastructure to enable an equitable and resilient energy transition.

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Notes



Please use the Q&A chat for all your questions and like (upvote) questions similar to yours.

NO Artificial Intelligence (AI) Bots are allowed in the meeting, per DOE requirements.



A recording of this session, along with a copy of the presentation materials, transcripts, and Q&A, will be posted to the TechWerx website in 2-3 business days.

Office of Energy Efficiency and Renewable Energy

The mission of EERE is to accelerate the research, development, demonstration, and deployment of technologies and solutions to equitably transition America to net-zero greenhouse gas emissions economy-wide by no later than 2050, while creating good paying jobs for the American people – with a particular focus on workers and communities who have been most negatively impacted by the energy transition, and those historically underserved by the energy system and overburdened by pollution.



Terrence Mosley

Senior Advisor for Diversity and STEM
Office of Energy Efficiency and Renewable Energy
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Zachary Quirk

Physical Scientist
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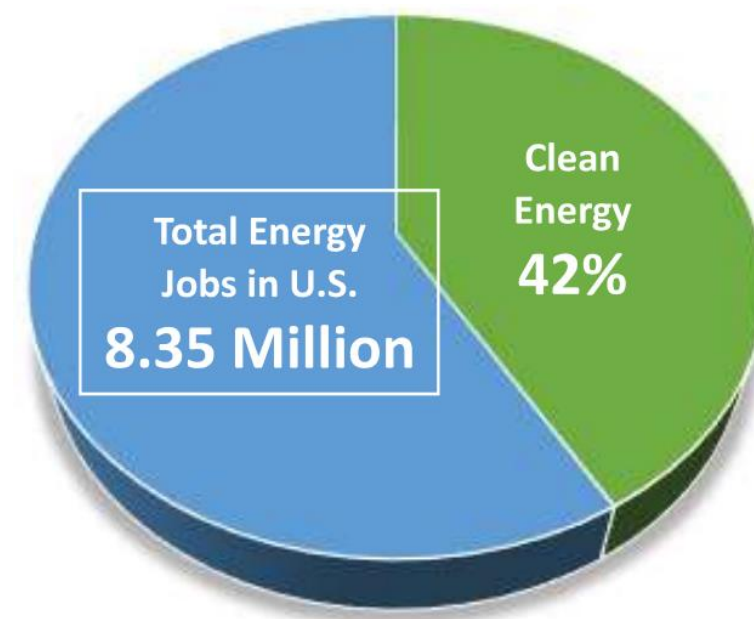
Alexandra Johnson

STP ORISE Fellow
EERE - DOE

Background

According to DOE's United States Energy & Employment Report 2024 (USEER):

- Energy employment contains five technology areas: electric power generation; energy efficiency; fuels; motor vehicles; and transmission, distribution, and storage. Employment across all five areas increased in 2023.
- 42% of energy jobs 2023 were made up of clean energy jobs (~5% new jobs created in the U.S. economy in 2023).
- Clean energy is driving job growth and is outpacing the rest of the energy sector at 12.8% (Compared to 9.8%).
- 82% of the entire energy workforce is under 55 years old.
- 142,000 clean energy jobs added in 2023.



Background

Select data from DOE's United States Energy & Employment Report 2024 (USEER), United States Energy Workforce Demographics and Characteristics Table

Demographics/Characteristics	Energy Workforce Average	National Workforce Average
Male	73%	53%
Female	26%	47%
Gender Nonbinary	<1%	N/A
Black or African American	9%	13%
Hispanic or Latino	18%	19%
American Indian or Alaska Native	2%	1%
Native Hawaiian or Other Pacific Islander	1%	<1%
White	74%	76%
Disability	2%	5%
Formerly Incarcerated	1%	2%

Overview

- **Purpose:**

- The Clean Energy Careers for All Workforce Development Project (this Opportunity) addresses the need for a diverse American energy workforce by leveraging organizations that are qualified to reach a wide variety of communities.
- EERE is looking for effective ways to broaden participation and engage individuals from many different groups within science, technology, engineering, and mathematics (STEM) in ways that promote interest in careers that support the nation's transition to clean energy.

- **Project Details:**

- EERE anticipates designating 7-10 awards of up to ~\$300,000 each during Phase 1. Projects are expected to be 9 months in length.
- 3-5 Phase 1 awardees may have the opportunity to receive a Phase 2 award (totaling \$750,000) based on performance and availability of additional funds.

Overview

- **Objective:** To promote the exposure to and inspiration of participants that will provide future growth of the clean energy workforce sector.

Workforce populations include (but not limited to):

- K-12
- Undergraduates (including 2- year community colleges and 4- year institutions, minority and majority serving institutions)
- Graduate students (minority and majority serving institutions)
- Alumni (including postbaccalaureates (postbacs), postdoctoral researchers (postdocs) and professionals)
- Veterans
- Formerly incarcerated or re-entering populations

Workforce sectors include (but not limited to):

- Advanced Materials & Manufacturing
- Bioenergy
- Building Energy Efficiency & Decarbonization
- Energy Storage
- Grid Integration
- Hydrogen & Fuel Cells
- Industrial Efficiency & Decarbonization
- Renewable Energy (Solar, Water, Wind Geothermal)
- Vehicles & e-Mobility

Potential Activities

- This Opportunity is aimed at funding new programs, or the expansion of current programs, that will provide future growth of the clean energy workforce sector.

Programming Components include (but not limited to):

- Facilitating work-based learning opportunities (like internships, apprenticeships, or other job-based experiences) with industry partners
- Providing career coaching and mentorship (including soft skills development)
- Enhancing education/curriculum development
- Providing career exposure (virtual exposure, or in-person visits) to stakeholder groups at multiple levels of the clean energy workforce pipeline

Note that projects can cover one or multiple programming components including those beyond the above list and can have components that are in-person, hybrid and/or virtual.

DOE is particularly interested in proposals that facilitate these activities at a scalable level that could result in wide-ranging national impact on the energy workforce.

Eligibility Criteria

- The objective of this Opportunity is to fund proposals from non-profit 501(c)(3) and non-lobbying 501(c)(6) organizations that are qualified to reach and best develop strategic programs that meet the need for a diverse American energy workforce.
- Preference will be given to programs with broad national or regional impact. While entities focused on state or local communities are welcome, they are encouraged to consider ways to expand their reach beyond a single state for this opportunity.
- Applicant must qualify as a domestic entity.

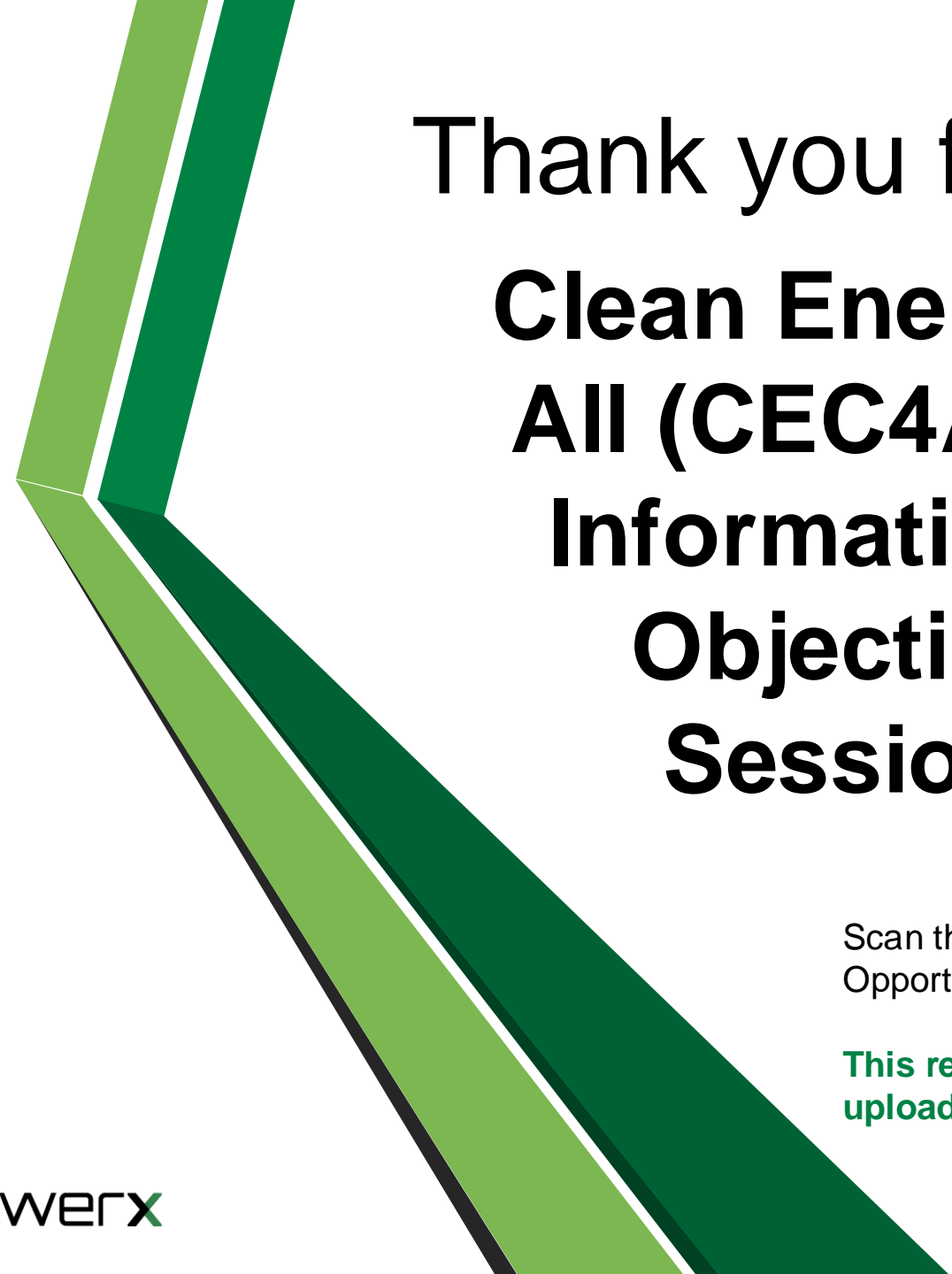


Collaboration and partnerships allowed and encouraged!

Review Criteria

- Focus on jobs in relevant technical areas (as described earlier)
- Breadth of participants (e.g. programs aimed for K-12, community colleges, undergraduate, graduate, veterans, formally-incarcerated, transitioning professionals, etc.)
- Types of support or programs that will be provided (e.g. certificate programs, internships, online programming, etc.)
- Preference will be given to programs with broad national or regional impact.
- Novelty of approach and potential quantifiable impact.
- Inclusion of industry engagement (e.g. companies, trade associations, etc.) or partnerships.
- Feasibility of implementation within proposed budget and timeline.
- Anticipated program milestones and evaluation metrics.

Key Dates

Applications open	9/24/2024
Objective Strategic Session	October 16, 2024 at 3 p.m. ET
Office Hours Session #1	November 13, 2024 at 3 p.m. ET
Office Hours Session #2	December 4, 2024 at 3 p.m. ET
Application Deadline	December 13, 2024 at 5 p.m. ET
Review and Selection	Expected end of January/early February 2025
Negotiations	2 months after selections have been made
Selectees Announced	Est. April 2025
Activities Begin	Est. April 2025



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**This recording, transcript and FAQ will be
uploaded to the TechWerx website.**



Thank you for attending!

For more information on additional resources and funding opportunities:

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