



**ENERGY INDUSTRY
Fundamentals**

Support Sought to Provide Energy Education to 500,000 Students



The Center for Energy Workforce Development will educate 500,000 students about careers in energy over the next ten years through revitalization of the Energy Industry Fundamentals Program. Through collaborative partnerships with energy companies, educators, and community-based organizations, those from under-served and historically disenfranchised communities will be prioritized beneficiaries of the program. CEWD seeks to partner with those who share a commitment to this educational objective and can support the \$750,000 undertaking.



STUDENTS NEED GREATER EXPOSURE TO ENERGY CAREERS

The energy industry will hire hundreds of thousands of employees over the next several years for skilled trade jobs, technical roles, engineering positions, cyber-security needs, and the myriad of positions that support the business of energy. With factors including the competition for talent, the “great resignation,” the “demographic drought,” decarbonization objectives, and a reimagined energy grid, business leaders question where tomorrow’s talent will come from. There has never been a greater need to expose students to careers in energy and demonstrate the need for innovators, technical thinkers, and those who can support a clean energy future than now. A modernized Energy Industry Fundamentals curriculum will serve as that national catalyst for education and exposure.



DELIVERY OF A MODERNIZED LEARNING EXPERIENCE

The current EIF program is 10 years old. Its bones are solid, but it needs content and delivery enhancements to meet the needs of today's learners as they explore their "what's next." It needs to excite them and demonstrate why there's never been a more exciting time to be part of the energy industry, while exposing them to educational fundamentals to support career exploration. The reimagined EIF program will build on current teachings of units including generation, transmission, distribution, safety, and regulations - with curriculum reflecting cutting edge developments in renewables, EV infrastructure, energy storage, electrification, renewable natural gas and more.

In addition, the new program will offer highly engaging, learner-centric course experiences to students, targeting those in underserved communities. Online education, learner personas, and learner expectations have all changed dramatically in the last decade, providing new requirements and opportunities to drive learner engagement, knowledge and skills development, and enable workforce development outcomes.



A REIMAGINED EIF WILL FUEL INTEREST AND ACTION

A revitalized EIF program is an essential and foundational component in making energy the industry employer of choice for America's workforce. An updated and enhanced energy curriculum is of interest to teachers' groups, community-based organizations, educators and organizations serving communities under-represented in today's industry. We are excited to rebuild the program and work with partners throughout the country to provide greater education about the industry to drive a skilled, diverse energy workforce.

Modernizing the curriculum, housing the online platform, promoting the program, and expanding programs with distribution partners, will cost approximately \$750,000. If you would like to learn more about how your company or foundation can support connecting 500,000 students with energy careers, contact

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