

Grant Project Descriptions

Electrical Training Alliance, Bowie, MD

Organization Type: Electrical Industry Sector

Project Name: *Interim Credential Electrical Apprenticeship Program (ICEAP)*

Award Amount: \$5,998,953

Target H-1B Industry Sector(s): Advanced Manufacturing; IT and IT-related Industries

Target H-1B Occupations: Electrical Engineers, Electronic Engineers, and Network and Computer Administrators, Electrical Engineering Technician, Electronic Engineering Technician, Computer Network Support Specialist

Credential(s) Awarded: Industry-recognized credentials with 2,000 hours of Paid Work/On-the-Job Training. A Certificate of Completion will be given to all successful apprentices and an opportunity to receive up to 8 credit hours by EA and/or CCAC.

New or Existing Apprenticeship Program: New
Cybersecurity and AI: AI

Summary of Apprenticeship Program Activities: The **Electrical Training ALLIANCE** was awarded \$5,998,953 for the *Interim Credential Electrical Apprenticeship Program (ICEAP)* to serve 5,000 apprentices nationwide to fill current and future job vacancies and close the skills gap between employer workforce needs and the skills and competencies of the current workforce in the electrical industry in certain H-1B occupations. The program will create a new Registered Apprenticeship program and provide post-secondary opportunities on a national scale to underrepresented populations while developing individual competencies toward middle- and high-skilled occupations in the electrical industry. ICEAP will emphasize the growing need for AI training within the electrical industry, which includes advanced manufacturing, and focus on specific tasks such as transmission-line supervision, detection of hot spots, or surveillance. Future work will continue to increase the adaptability of robots in power systems and improving sensory systems. The Apprenticeship Partnership is comprised of the International Brotherhood of Electrical Workers (IBEW) and the National Electrical Contractors Association (NECA); employer partners Christenson Electric, Inc., Portland, OR, Fuller Electric, San Diego CA, Mid-West Electric, Houston, TX, Tennessee Associated Electric, Knoxville, TN, and Thompson Electric Company, Sioux City, IA; and Community College of Allegheny County (CCAC), PA. The program is National in geographic scope and will serve unemployed, underemployed individuals and others located in Opportunity Zones across the country.

Geographic Scope: National; **Service Area:** All 50 States **Opportunity Zone:** Yes

Proposed Number of Apprentices Served: 5,000

Target Population: Underrepresented individuals including unemployed, underemployed; military veterans, spouse of military personnel, transitioning service members; women; and persons of color.

Authorized Representative Contact: Todd Stafford; Executive Director; 301-715-2300;
tstafford@electricaltrainingalliance.org