

Grant Project Descriptions

The Regents of the University of California (Davis), Davis, CA

Organization Type: Institute of Higher Education

Project Name: *Expanding Apprenticeship and Training to Enable Smart Cities with Enhanced Building Cybersecurity*

Award Amount: \$5,492,408

Target H-1B Industry Sector(s): IT and IT related industries

Target H-1B Occupations: IT

Credential(s) Awarded: Nevada Electrical Contractors License or California State-Certified General, Power Systems Cybersecurity Certification, CALCTP Certification

New or Existing Apprenticeship Program: Existing with new training areas focused on cybersecurity.

Cybersecurity and AI: Cybersecurity

Summary of Apprenticeship Program Activities: **The Regents of the University of California (Davis)** was awarded \$5,492,408 for its *Western Electrical Cybersecurity Apprenticeship and Training Program*, which will expand apprenticeship and training to address acute employment needs in the areas of smart cities and power systems cybersecurity. The program will develop industry-relevant and recognized apprenticeship training on electrical smart cities infrastructure and power systems cybersecurity; establish the training model and deploy the program across California and Nevada; and improve program components and processes, and ensure the program can be deployed beyond the 4-year grant period. The program is designed around an established, 5-year apprenticeship model composed of mandatory on-the-job and classroom training activities, which will include a paid work component with 8,000 hours of on-the-job-training, work-based learning and mentorship overseen by journey-level workers already employed on smart cities projects, and a minimum of 900 hours of theory and hands-on classroom instruction. The apprenticeship partnership will engage electric and power employer partners: Peak Power Solutions, Sullivan Solar Power; Briggs Electric; Cartier Electrical Technologies; Essco Electric Service and Supply; and optional partners such as ICF, Incorporated; IBEW-NECA Labor Management; Cooperation Committee of California and Nevada; California Advanced Lighting Controls Training Program and 20 Apprenticeship Training Centers in California. The program has a Statewide geographic scope, providing services to unemployed, underemployed workers located in California and Nevada including those in Opportunity Zones.

Geographic Scope: Statewide

Service Area: California and Nevada

Opportunity Zone: Yes

Proposed Number of Apprentices Served: 5,182

Target Population: Unemployed, underemployed, veterans, women, people of color

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