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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