



# University Enterprises California Smart Grid Workforce Development Network

## Project Description

The California Smart Grid Workforce Development Network (CSGWDN) is supporting the development of California's Smart Grid workforce by engaging electric utilities, California State University campuses, California community colleges, labor unions, and Smart Grid manufacturers in workforce training in advanced power system technology. The partners have identified the need to train 897 incumbent engineers, 521 new hire engineers, and 1,306 craft and technical workers over the next five years. CSGWDN is creating, executing, and evolving a statewide workforce development strategy through degree and certificate programs by connecting Smart Grid technology advances to workforce needs. Two webinars will be conducted to advance the professional development of professors and instructors at participating education locations. The program will be made available to the remaining 23-campus California State University system.

## Goals/Objectives

- Connect Smart Grid technology advances and roll-out to workforce needs
- Create, execute, and evolve a statewide workforce development strategy
- Enhance economic benefits of individual initiatives by leveraging programs, resources, and best practices statewide
- Increase effectiveness of degree and certificate programs across the state by offering students portable credentials that follow well-defined Smart Grid career pathways
- Build a strategic model to be shared across the U.S.

## Benefits

- Job retention
- Workplace-ready graduates
- National leadership maintained in the global marketplace



## CONTACTS

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## PARTNERS

California State Polytechnic University  
Pomona  
Los Angeles Trade Tech  
San Jose Evergreen  
American River  
California State University East Bay  
California Smart Grid Center  
California Energy Commission  
California State University Sacramento

## PROJECT DURATION

07/20/2010–07/20/2013

## COST

**Total Project Value**  
\$833,347

**DOE/Non-DOE Share**  
\$749,992/\$83,355

## PROJECT LOCATION

California

CID: OE0000492

*Managed by the National Energy Technology  
Laboratory for the Office of Electricity  
Delivery and Energy Reliability*

