



Pacific Center for Advanced Technology Training Education and Research in Clean Energy and Island Sustainability

Project Description

Pacific Center for Advanced Technology Training, in cooperation with Leeward Community College, Siemens Power and Transmission, and Hawaiian Electric Company, are developing a curriculum for technicians that deploys and maintains electric power transmission and distribution through the application of Smart Grid technologies, while providing participants with a working knowledge of generation, transmission, and distribution topics. This project provides an educational pathway for traditional, non-traditional, incumbent, and displaced workers to develop the knowledge and skills required for deploying and maintaining a Smart Grid distribution system while acquiring an associate degree or two-year certificate. This training program includes the development of practical problem-solving skills for lineworkers, technicians, system planners, reliability coordinators, control room operators, and control system administrators.

Goals/Objectives

- Design and develop industry-certified courses offering training to displaced workers, non-traditional students, and the incumbent workforce
- Identify and fulfill workforce needs
- Immediately offer short-term, non-credit, information technology courses that meet industry standards and Hawaiian Electric Company's needs

Benefits

- Job retention
- Immediate workforce needs addressed
- Displaced workers trained in cutting-edge technologies
- Active power industry engagement in education and training
- Workforce-ready trainees



CONTACTS

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PARTNERS

Siemens
Leeward Community College
Hawaiian Electric Company

PROJECT DURATION

7/30/2010–7/30/2013

COST

Total Project Value
\$833,000

DOE/Non-DOE Share
\$750,000/\$83,000

PROJECT LOCATION

Hawaii

CID: OE0000430

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

