

Navajo Tribal Utility Authority Smart Grid Workforce Training

Project Description

Navajo Tribal Utility Authority (NTUA) has been diversifying its power generation sources and modernizing its distribution services through the upgrade of remote switching and monitoring operations, feeder and substation automation for online monitoring and equipment interoperability, and the deployment of information technology solutions. In support of these improvements, NTUA is developing a program to provide trainees with the skills and abilities to continue these upgrades and contribute to the development of a nationwide Smart Grid. As an educational partner, Navajo Technical College is marketing the training program and identifying individuals within its students who have an interest or aptitude to work within the power industry. In addition to the Navajo Technical College, training is also provide at NTUA's district offices and will be web-enabled for distance learning. Courses provide the fundamentals of electric power distribution systems, business management skills, and specialized training in advanced areas. NTUA's training program will maximize employment opportunities for citizens of the Navajo Nation, reduce unemployment, and aid in the successful implementation of the Smart Grid.

Goals/Objectives

• 43 individuals trained for jobs within the NTUA in Smart Grid implementation and renewable energy projects, including wind and solar power

Benefits

- Access to electricity and other basic infrastructure to the estimated 18,000 homes currently without this necessity
- Modernized power distribution services
- Jobs created and retained
- Smart Grid implementation and development





CONTACTS

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PARTNERS

Navajo Technical College

PROJECT DURATION 6/30/2010-6/30/2013

COST

Total Project Value \$1,408,971

DOE/Non-DOE Share \$704,485.50/\$704,485.50

PROJECT LOCATION

Arizona New Mexico Utah

CID: OE0000442

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