



Northeast Wisconsin Technical College NEW Generation Power Skills Training Development Initiative

Project Description

The NEW Generation Power Skills Development Initiative develops and enhances regional training programs for the emerging Smart Grid workforce by incorporating industry identified “core skills,” and utilizing multiple delivery methods to accommodate the diverse needs of the learners (e.g., incumbent workers, unemployed, traditional students). The initiative maximizes the resources and expertise of the four partner colleges to integrate a standardized set of core competencies into Smart Grid related programming either through new courses and/or modification to existing curricula.

Goals/Objectives

- Collaborate with industry leaders in northeast Wisconsin to establish skill set competencies for existing and emerging jobs in Smart Grid-related disciplines
- Retrofit existing programs with industry identified Smart Grid skill set competencies
- Increase the accessibility to electro-mechanical courses throughout the region, especially in rural areas, by web-enabling the curriculum
- Establish an advanced Smart Grid certificate for incumbent workers
- Develop learning objects and/or on-line simulations to create an electronically accessible virtual lab experience
- Create a web-based training simulator that provides a real-time replication of energy information and knowledge for training exercises

Benefits

- A model curriculum that incorporates the latest technologies to provide hands on application through real-life scenarios, for wide-scale dissemination
- Up to 48 existing electro-mechanical course credits will be virtualized and accessible on-line
- An advanced training certificate option in Smart Grid technologies available to incumbent workers in northeast Wisconsin



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PARTNERS

Fox-Valley Technical College
Moraine Park Technical College
Lakeshore Technical College

PROJECT DURATION

6/15/2010–6/14/2012

COST

Total Project Value
\$859, 232

DOE/Non-DOE Share
\$750,000/\$109,232

PROJECT LOCATION

Wisconsin

CID: OE0000445

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