



Florida Power & Light Gateway to Power: Development of Innovative Strategic Electric Power, Renewable Energy, and Smart Grid Workforce

Project Description

The Gateway to Power Consortium (G2P), led by Florida Power & Light and Smart Energy Grid Associates, consists of four Florida colleges/universities and three out-of-state universities. Their mission is to deliver workforce training for electrical power sector personnel in areas most relevant to the next-generation electric power workforce. These college and university-level cross-disciplinary training programs will lead to both certificates and degrees that include science, engineering, social science, economics, and other topics needed as the traditional power system transforms into a national, clean-energy Smart Grid. Courses include Advanced Metering Infrastructure, Customer Interaction with Smart Grid, and Synergy of Smart Energy Systems. Program graduates will have the knowledge and skills to design, plan, construct, operate, and maintain a modern electricity delivery system, including power system infrastructure and information systems. It is expected that several jobs with salaries ranging from \$57K to \$95K will be created as a result of this initiative.

Goals/Objectives

- Train professionals at all levels of the utility hierarchy to implement future innovations in Smart Grid and clean technology systems
- Provide continuing education programs to upgrade skills

Benefits

- Jobs created and retained
- High-tech training in cutting-edge Smart Grid technologies
- Efficient service to customers from the use of state-of-the-art technologies
- Workplace-ready graduates prepared to resolve cross-disciplinary engineering issues confronting the electric power industry



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PARTNERS

Florida Atlantic University
Florida International University
Indian River State College
Massachusetts Institute of Technology
Palm Beach State College
The State University of New York at Buffalo

PROJECT DURATION

7/30/2010–7/30/2013

COST

Total Project Value
\$12,539,735

DOE/Non-DOE Share
\$5,000,000/\$7,539,735

PROJECT LOCATION

Florida

CID: OE0000435

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

