




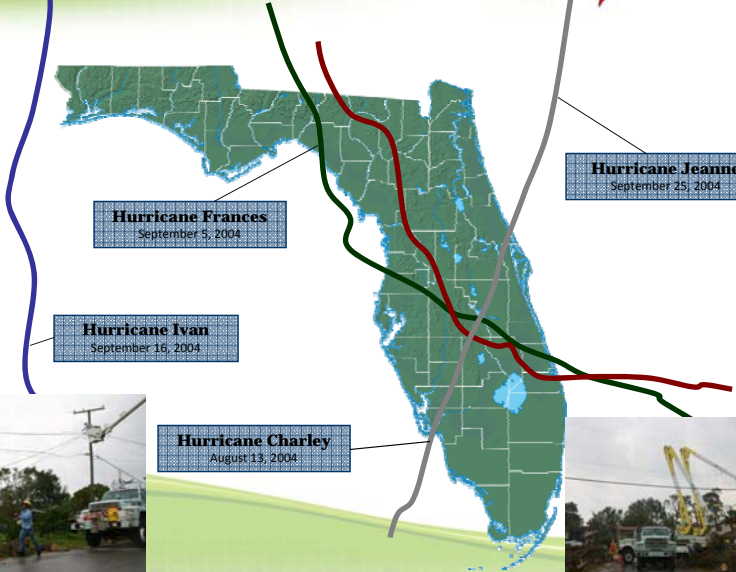
Florida's Energy Career Cluster

Energy Consortium Summit Newark, New Jersey August 16, 2011

Betsy Levingston
Lakeland Electric
FEWC Co-Chair



The Challenge





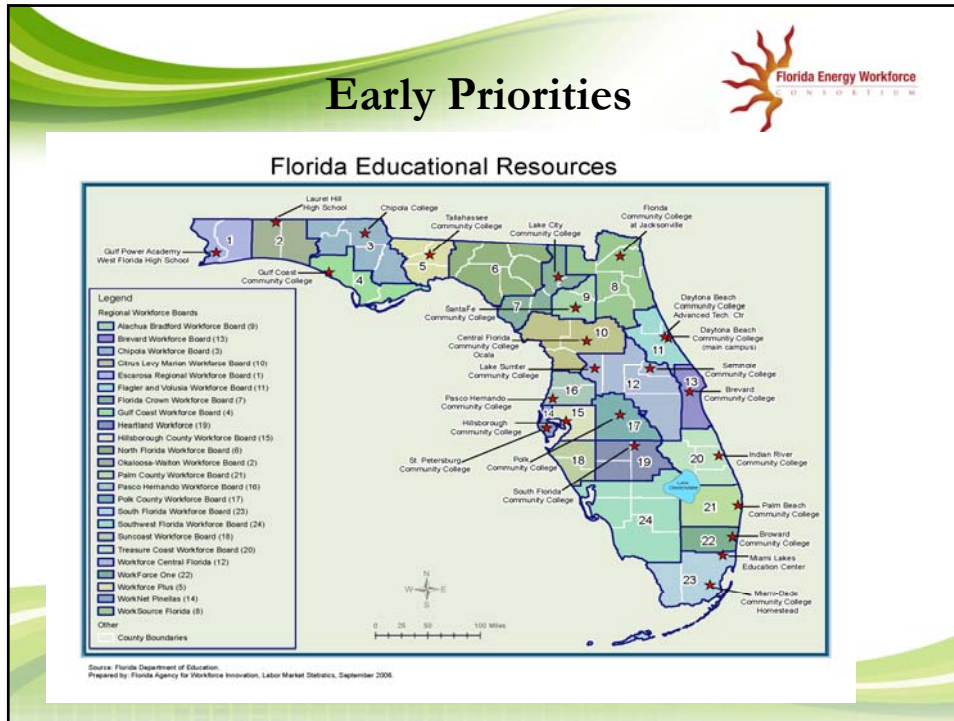

Hurricane Frances
September 5, 2004

Hurricane Ivan
September 16, 2004

Hurricane Charley
August 13, 2004


Hurricane Jeanne
September 25, 2004



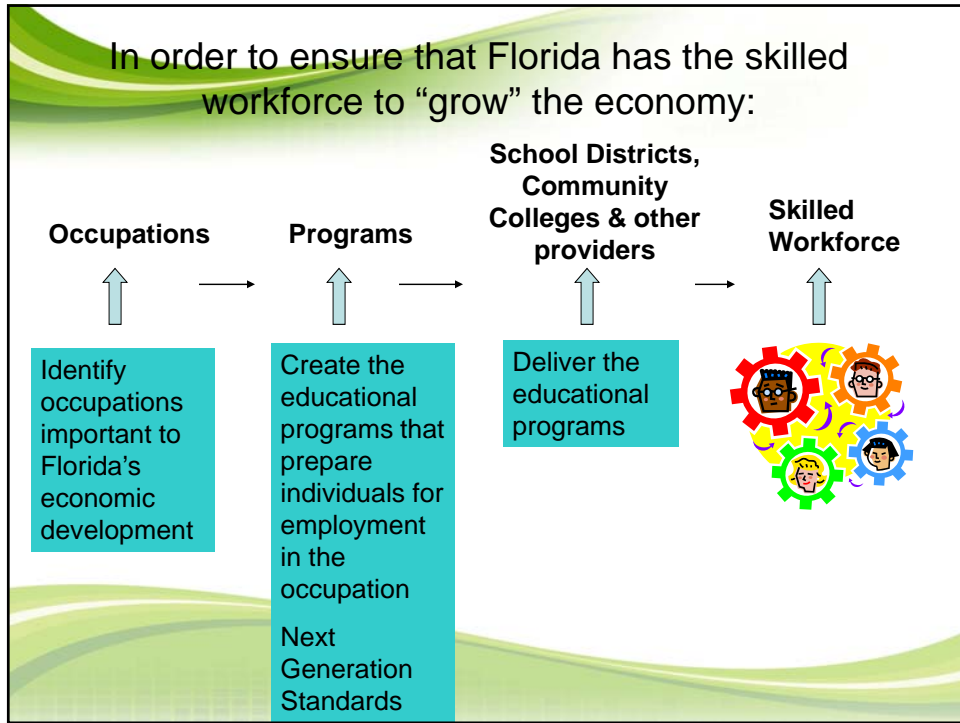



Creating the Next Generation Standards for Career & Technical Education Programs is Important to Florida's...

- Economic Development
 - #1 issue identified by business/industry seeking to relocate or expand their business in Florida:
Is the skilled workforce or “talent” available?
 - Ensuring that Florida’s career and technical education program standards are aligned with the needs of business and industry is a major component
- Citizens
 - Seeking educational opportunities that will prepare them for high-skill, high-wage, high-demand occupations



Source: “Creating the Next Generation Standards for Career & Technical Education”
Florida Department of Education, Department of Workforce Education





Energy Occupations of Concern


Florida Energy Workforce Consortium

- Power plant operators
- Line installers and repairers
- Maintenance and repair workers
- Electricians
- Plumbers, pipefitters and steamfitters
- Engineers & Engineering technicians








SOLAR




NUCLEAR




WIND



BIOMASS



LANDFILL GAS



BIOGAS

Examples of Green Jobs



- Meter Technician Trainee/Energy Auditor
- Meter Technician/Energy Analyst
- Engineer I & II
- Conservation Coordinator
- Demand Side Management Program Manager
- Manager, Environmental
- Smart Grid Technicians



Pipeline Development Initiatives

Middle School Awareness

Secondary Career Academies

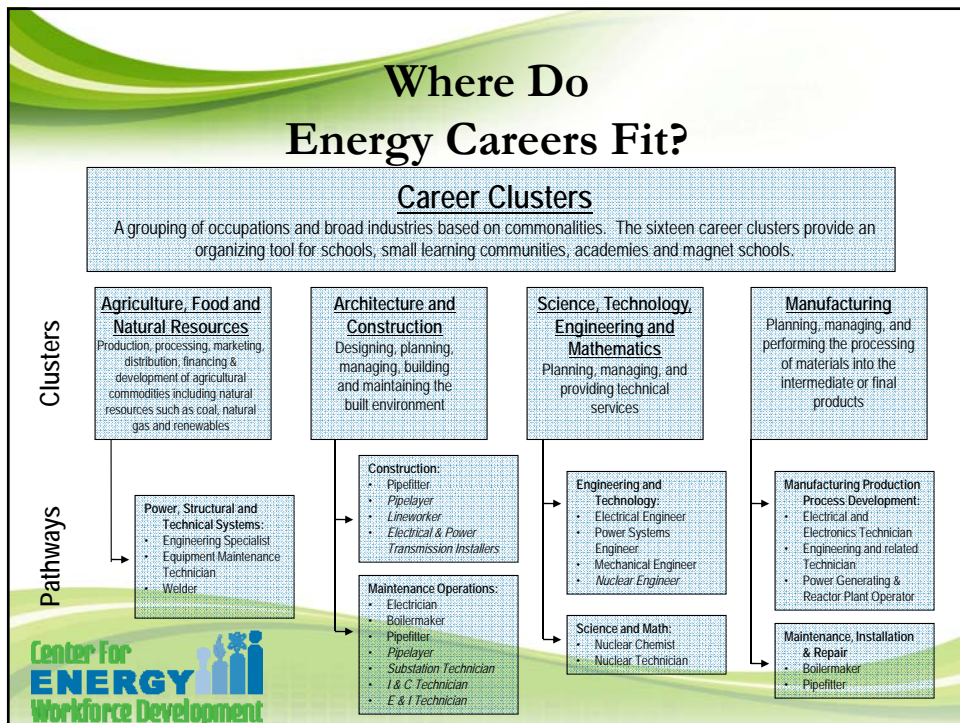
Employ Florida Banner Center for Energy

Florida Tech Centers, Community Colleges, State Colleges and University Partnerships















Working Groups

- [Agriculture, Food, and Natural Resources](#)
- [Architecture and Construction](#)
- [Arts, Audio/Video Technology, Communication](#)
- [Business, Management, and Administration](#)
- [Education & Training](#)
- [Energy - New](#)** ←
- [Financial Services](#)
- [Government and Public Administration](#)
- [Health Science](#)
- [Hospitality and Tourism](#)
- [Human Services](#)
- [Information Technology](#)
- [Law, Public Safety, and Security](#)
- [Manufacturing](#)
- [Marketing, Sales, and Services](#)
- [Transportation, Distribution and Logistics](#)




http://www.fldoe.org/workforce/dwdframe/energy_cluster_frame11.asp

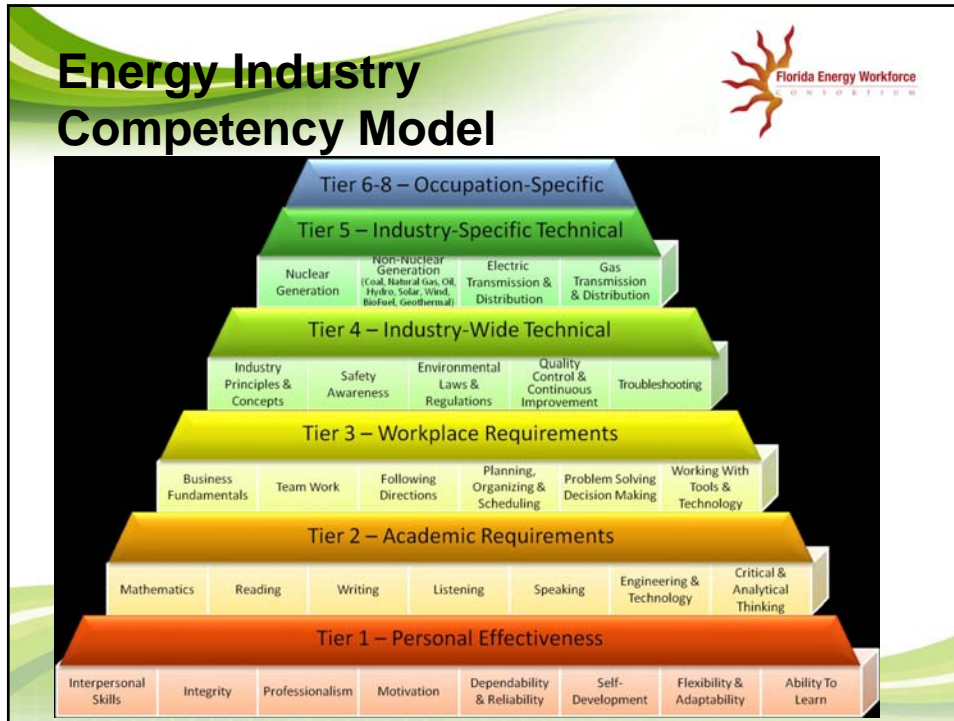
Role of the Energy Working Group




- Overall Goal
 - To ensure that the occupations included in the specific career cluster are aligned with the needs of Florida’s business and industry
- Specific Tasks include
 - Identify the energy occupations that are critical to Florida’s economic development
 - Develop a 3-year program of work to ensure career & technical education occupational standards are relevant
 - Determine/approve
 - Strategies for standards development/revision
 - Timeline
 - Participants

Manage the process for the specific career cluster








Florida DOE Approved Energy Curriculum Frameworks




- Five new frameworks:
 - Energy Technician
 - Energy Generation Technician
 - Power Distribution Technician
 - Solar Energy Technology
 - Turbine Generator Maintenance, Inspection and Repair

*Secondary and PSAV programs
- First two courses in most frameworks:
 - **Energy Foundations (Energy Industry Fundamentals)**
 - **Introduction to Alternative Energy**





Questions?



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www.fewc.org

www.getintoenergy.com

