

# Clean Energy Banner Center

Florida Energy System Consortium Summit  
Florida College Energy Workshop  
September 26, 2011  
Gainesville

# Florida Solar Energy Center

- » Created in 1975
- » Serves as Florida's energy research institute
- » Conducts research, testing, certification and education
- » ***Conducts energy efficiency and solar training***

# Banner Center for Clean Energy

- » Established in 2008
- » Train the Trainer Model
- » Focus on Solar Energy Training
- » Providers offer Continuing Education and College Credit Courses

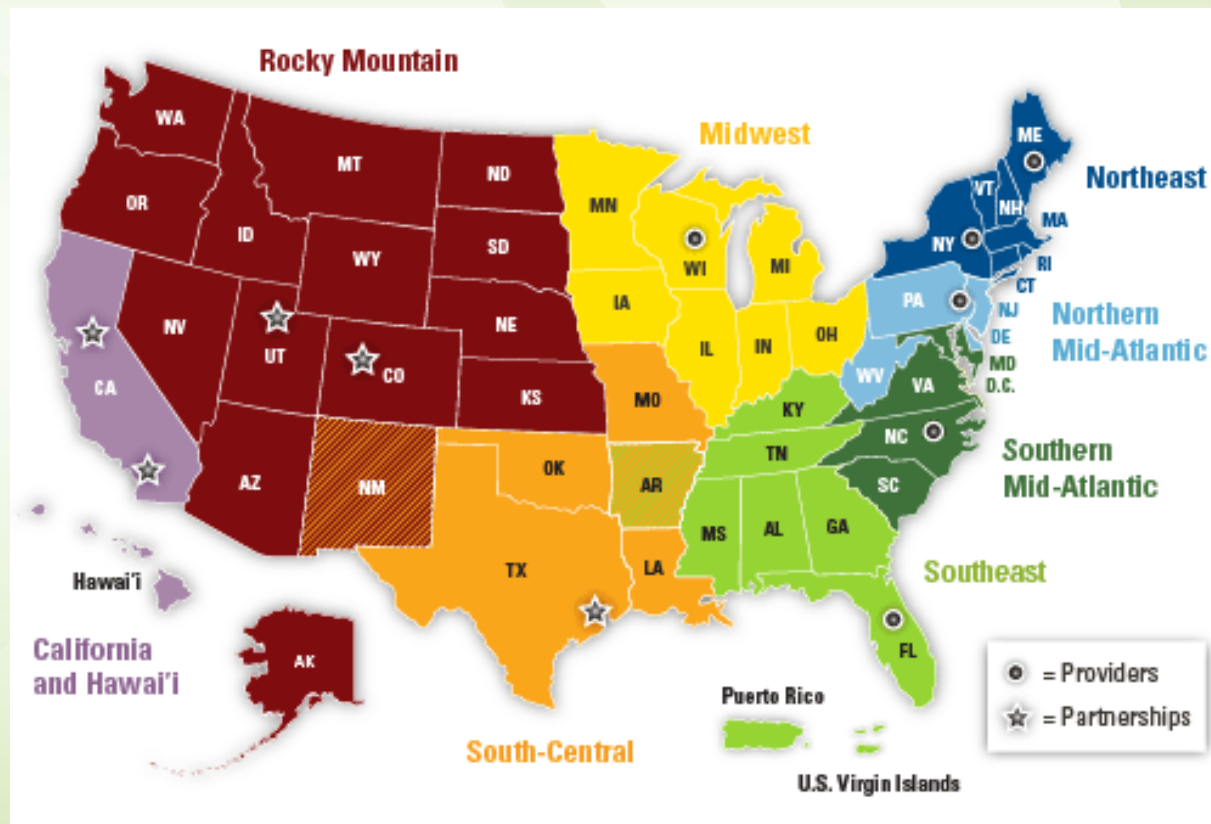
# Energy Efficiency Workshops

- » Offered to Practitioners
  - » Weatherization Inspectors
  - » Energy Raters
  - » Green Building Professionals

# Clean Energy Training Providers



# US DOE Solar Instructor Training Network



# Let's Get To Work



*Not so fast...*

# Florida vs. US Unemployment Rate

July 2011 (most recent statistics)

National 9.1%

Florida 10.7%

# Solar Energy Job Creation Potential

1 Megawatt of Solar\* = 50 Jobs

“The construction, installation labor, and installation labor related services for 700 MW would create 8,000 new jobs alone.” – Florida Tax Watch

*\*Refers to both solar water heating and PV*

# Focus on Market Development and Commercialization Opportunities

- » Education of Stakeholders and Decision Makers
- » US DOE SunShot Initiative
- » US EDA/SBDC/DOL Clean Energy Jobs Accelerator
- » Activities to Sustain the Banner Center

# Stakeholder Education

- » Consumer Education Modules for Industry Delivery
- » Business (Commercial User) Education Modules for Industry Delivery
- » Workshops for Builders, Realtors, Architects, Building Officials and Local Governments



- » Make solar energy cost competitive with other forms of energy by the end of the decade
- » Reduce the installed cost of solar energy systems by about 75%
- » Drive widespread, large-scale adoption of PV technology
- » Restore U.S. leadership in the global clean energy race

## Phase 1 Action Areas

- » Permitting and Interconnection Processes
- » Net Metering and Interconnection Standards
- » Financing Options
- » Planning and Zoning

## Anticipated Results

- » Cost effective residential and small commercial solar energy systems
- » Sustainable Market Development
- » Stable Workforce

## Consortium Members

- » Florida Solar Energy Center
- » City of Jacksonville, JEA
- » City of Orlando, Orange County, OUC
- » City of Tallahassee, Tallahassee Electric
- » Building Officials Association of Florida
- » Florida Municipal Electric Association
- » Florida Solar Energy Industries Association

# Clean Energy Jobs Accelerator

- » US Economic Development Agency, Small Business Administration, Department of Labor
- » Expansion of Clean Energy Industry Cluster
- » Space Florida, Space Coast Energy Consortium, Technological Research and Development Authority, Brevard Workforce, Banner Center for Clean Energy

## Contact Information

Colleen McCann Kettles, JD  
Director

Florida Solar Energy Center  
1679 Clearlake Road  
Cocoa, FL 32922  
321-638-1004

[www.floridaenergyworkforce.org](http://www.floridaenergyworkforce.org)  
[ckettles@fsec.ucf.edu](mailto:ckettles@fsec.ucf.edu)