

FLORIDA SOLAR ENERGY CENTER

Creating Energy Independence Since 1975

FSEC Training and Workforce Activities

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Monthly photovoltaic workshop

- High demand provided monthly
- Classes booked months in advance
- Trained over 700 individuals in last 7 years
- Course restricted to 25 students due to hands-on labs
- Attendees from various trades and occupations
- Tailored training as well:
 - Utilities
 - Code officials





Quarterly solar thermal class

- Increased demand for this training in past year
- Last two workshops averaged 84 students
- Anticipate norms of 40-50 students
- Utilize demonstrations versus labs

Tailored thermal workshops for utilities

- OUC
- Gulf Power
- Solar America Cities





Web based instruction

- Developed solar thermal webinar through Zero Energy Homes Program
 - Photovoltaic webinars in the works
- Developing PV related web based instructional material
- On agenda full thermal web course





Employ Florida Banner Center for Alternative Energy - 2008

- Funded by Workforce Florida, Inc.
- **\$650,000**
- Train local community college and Vo-Tech instructors

Collaboration between:

- Recognized experts in the industry
- Educational providers
- Industry representation
- Workforce boards





- Identified workforce needs
- Developed curriculum
- Developed and implemented train-thetrainer program at FSEC
 - Photovoltaic and thermal
- Partners in turn conduct student training at partner institutions



Workforce Development



Banner 2008 Partners

Tallahassee Community College Brevard Community College Westside Technical School Broward College



Brevard Work Force Development Board Florida Solar Energy Research and Education Fnd.



Workforce Development



- Will add more training partners in next phase
- FSEC award new Banner contract for 2009 -\$300,000
- Banner 2009 Partners *

Gulf Coast Community College (Panama City)

Miami Dade College (Dade County)

Santa Fe Community College (Gainesville)

Valencia Community College (Orlando)

Indian River Community College (Fort Pierce)

Palm Beach Community College (Lake Worth)

Florida Keys Community College (Key West)

Levy Construction Vo-Tech (Venice)





Southern Alternative Energy Training Network

- DOE solar workforce proposal
- Replicate the Banner Center on a U.S.
 Southeast basis
- Major goal: Provide training and professional development to instructors
 - Instructors will then create or improve training courses for their local solar installation workforce
- Enlist various partners throughout the SE and also US Territories



Southern Alternative Energy Training Network

- Commitment from:
 - Florida, Georgia, Alabama, Louisiana, Mississippi, Arkansas, the U.S. Virgin Islands, and the Commonwealth of Puerto Rico
- \$3.5 million over a 5-year span
- Modify FSEC workshop curriculum to target trainers







- Numerous training related programs
- All tie in together in regards to technology and curriculum
- Workforce development is hot topic at this time