FLORIDA SUNSMART EMERGENCY SHELTER PROGRAM
Solar + Storage in Florida Public Schools

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FLORIDA SUNSMART EMERGENCY SHELTER PROGRAM

Project Objectives

• Generate clean electricity from the sun
• Understand your energy needs in a disaster
• Provide power to critical needs in emergency shelters
• PV system designed as a uninterruptable power supply (UPS)
• Educate students and teachers about clean energy technology and careers
• Create ‘clean’ jobs in Florida
• Reduce green house gas emissions
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Barrier to Implementation

- Biases and misunderstanding technology
- Changing personnel
- Codes and operational requirements
- Physical locations and site layouts
- Maintenance and operation
- Cost perception
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Lessons Learned

- Personnel changes
- Direct and continuing education
- School schedules
- Varying rules/procedures
- Understanding real energy needs
- Fault tolerant architecture implementation
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Project Impact

• Utilities were excited about the program
• Teachers and students became interested in solar
• Facilities managers and technicians gained new knowledge and skills
• More jobs through construction contracts
• Hurricane emergency power operation was successful as backup power for critical items
• PV systems survived hurricane forces
• PV systems saved schools money on their utility bills with net metering
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Project:

* 10+ Million Dollar government grants
* 118 school shelters
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Project:
UPS - Shelter Implementation