

*Residential Energy  
Efficiency/Weatherization*

# *Residential Energy Efficiency/Weatherization*

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## *Residential Energy Efficiency/Weatherization*

Importance of local solutions and partnerships.

Question: how many schools have or anticipate weatherization training?

Question: how many schools have construction craft related training?

Statewide activities.

A) UF USDOE Grant

1) Florida Weatherization Training Center;

2) Pinellas Weatherization Training Center

B) Tallahassee CC : Rick Frazier

C) McNeal and White : Institute of Envelope Science

D) HUD

National perspective.

Need for the development of retail energy and weatherization products.

Q&A

# *Florida Weatherization Training Center*



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# Weatherization Training



# Key Issues

- Initially being offered as non-credit, continuing education
- 4 courses to this point
- Served 44 students (want low ratio of instructor to student 12:1) with 32 trainees completing the training with an 83% placement rate (training related)
- Focus on low income housing weatherization installation utilizing American Recovery and Reinvestment Act (ARRA) funds
- Partnered with local HUD - Housing Organization and Workforce Board
- Total contact hours – 80 classroom and hands-on lab
- National Center for Construction Education and Research (NCCER) base curriculum plus OSHA 1926 card training
- Aligned to US Department of Energy weatherization installer competencies at the time
- No industry recognized certificate at the time
- Creating a PSAV Weatherization track (technician, crew chief, and building auditor) – 700 hour +
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End product a weatherization installation technician helper



# Institute of Envelope Science

Training today's leaders for tomorrow's challenges

## Welcome

The Institute of Envelope Science is an educational facility specializing in construction, construction safety and weatherization. Focused on training and certifying anyone with a desire to learn the art of turning raw materials into a well built structure or improving on the existing architecture in the community. Here at Institute of Envelope Science along with our parent company McNeal and White Contractors we practice what we preach. Every class we teach is also a service that we provide. This allows us to teach not only the tried and proven methods that the professionals have been using for decades but to also teach the latest cutting edge techniques from real world experience.

- Assessing the needs of the client to develop the right training solution
- Training and certifying clients to BPI, EPA or OSHA standards
- Developing weatherization training curricula, customized to client needs.

### Institute helps to get the lead out

DELAND -- Walter Ledoux and Billy Schmidt helped each other put on their protective suits as they prepared to scrape paint off a door jamb to test it for lead

### Home Star Program

Proposed new legislation to create jobs by providing strong short-term incentives for energy efficiency improvements in residential buildings.

### Lead Safety Certification



# National Perspective

- Funding Potential?
- Product Development: Wholesale  
to Retail?
- Accreditation and Certification?
- Curricula?

**ANY QUESTIONS?**