PRINCETON SCOREKEEPING METHOD – “PRISM”

- Homes Weatherized by Virginia crews from July 1988 to June 1989

**Typical Measures Installed:**
- Caulking
- Weatherstripping
- Replacement Windows
- Storm Windows
- Attic Insulation

**Measured Energy Savings:**
- Single Family – Gas Heat: 10% - 30 year payback
- Single Family – Electric Heat: 5% - 21 year payback
- Mobile Homes: 10% - 53 year payback

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**EVALUATION PILOT STUDY**

- Homes weatherized by four Virginia agencies’ crews from during the winter July 1989-90
- Combined training for all crews was two weeks, including classroom and field

**Typical Measures Installed:**
- Advanced Air Sealing that focused on attics, basement/crawlspace, large holes and thermal bypasses
- High Density Wall Insulation
- Heating System Safety and Efficiency Improvements
- Attic Insulation

**Measured Energy Savings:**
- Single Family – Site Built: 24% - 10 year payback
- Mobile Homes: 17% - 17 year payback

- Units receiving sidewall insulation averaged 32% savings – the highest average savings for an individual agency was 47%
- Air leakage reduction averaged 34%
- Heating system problems were encountered in 30% of inspected units
- Recommended: Move from “priority list” to a “package” of required measures to maximize synergy between measures.