

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

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.

