

HERS rating is a benchmark for Energy Star Homes



- The Energy Star Homes Program has, from inception, used a HERS rating of 86 points or better to identify a qualified home.
- The HERS rating of 86 points is the cornerstone of the Energy Star Homes Program.

Expectations

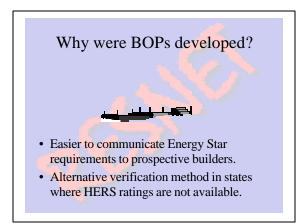
- The total certification goal for Energy Star Homes was initially set at 15,000 new homes for 1999.
- It subsequently became clear that this was unachievable and the goal was reduced to 12,000.
- The following year (2000) the goal was doubled to 24,000 nationally.

The down side

- Without significant builder acceptance, these escalating certification goals would not be sustained.
- If goals are not met, political support for the program could be jeopardized.

Builders resist Energy Star

- Builders generally have been selling houses faster than they can build them, so why should they do anything different-change is a hassle.
- Production builders build cookie cutters and do not want to make variations to individual houses in order to achieve ratings.
- Builders are in a very competitive market and do not want to pay for additional plan reviews and inspections, the cost of which ultimately get passed through to the consumer.
- The same applies to the specification changes that may be necessary for the homes to qualify.



What is a BOP?

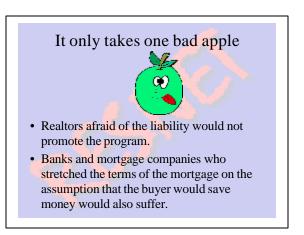
- The BOP is a set of specifications that includes a designed HVAC system and specific requirements for air sealing, insulation and glazing.
- Adoption and implementation of a BOP will produce a house equivalent to a rating of 86 points but does not constitute a home energy rating score.

Utility Company View

Suppose a house is certified but then it does not perform as advertised!

- The Utility Company may be held liable.
- Negative publicity for the Utility Company and Builder would result.
- The credibility of the program would be compromised.





HERS Perspective



- BOP performance requirements are difficult to meet consistently in the field.
- 100% testing and extensive training of contractors cannot guarantee compliance with envelope and duct leakage standards.
- BOPs package does not allow flexibility.
- HERS rating approach gives that flexibility.



2000 INSPECTIONS		
Inspection Type	<u>Total</u>	Percent
Initial Inspection Initial Re-inspection	1388 275	20%
Final Inspection Final Re-inspection	1403 106	8%
Certified Homes	1472	







