

QA / QC in Texas

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Motivations & Objectives

Data Collection and Analysis

Follow-up Activities

Motivations and Objectives

- Electric Utility Deregulation in 2000
- Rate-Derived Funds and the PUC
- Market Transformation Programs & ENERGY STAR

Motivations and Objectives

ENERGY STAR Homes Certified

	<u>Texas</u>
2001	1,600
2002	12,000
2003	30,000+
2004	35 - 40,000 (Anticipated)

Motivations and Objectives

- Rapid ENERGY STAR growth
- Introduction of a tiered incentive structure

Data Collection & Analysis

- 1) Obtain Provider's REM/file
- 2) Independent analysis
- 3) Compare Independent & Provider data
- 4) Compare Provider inputs and methodologies

Data Collection & Analysis

1) Obtain Provider's REM/file

- a. Identify the home to be tested
- b. Request REM/file from provider
- c. Record REM/file inputs

Data Collection & Analysis

- 2) **Independent REM/file Analysis,**
Diagnostic Testing, HERS Score
 - a. Request building plan
 - b. Request input sheet
 - c. Generate independent REM/file

Data Collection & Analysis

2) Independent REM/file Analysis,
Diagnostic Testing, HERS Score

- a. Visit home after the Provider's final inspection(s) are complete
- b. Independently collect on-site data

Data Collection & Analysis

2) Independent REM/file Analysis,
Diagnostic Testing, HERS Score

b. Independently collected data:

- Blower door and duct leakage numbers
- HVAC coil and condenser numbers
- Duct and attic insulation / installation levels
- Number of floors in the home

Data Collection & Analysis

2) Independent REM/file Analysis, Diagnostic Testing, **HERS Score**

- a. Use REM/file results and independently verified on-site data to generate a final HERS score

Data Collection & Analysis

3) Compare Independent and Provider-supplied data

- a. Independent / Provider REM/file inputs and score
- b. ID differences and trends among Provider inputs and methodologies

Data Collection & Analysis

4) Compare Provider inputs and methodologies

b. ID differences and trends among Provider inputs and methodologies

- SEER
- Window values
- Shading factors
- Heat / Cooling setpoints
- Duct leakage methodology
- Blower door methodology
- Orientation

Follow-up Activities

- 1-on-1 meetings with providers
- Group meetings with area providers
- Continued monitoring