



Compliance Options

A choice of the Performance or Prescriptive Paths is available for qualifying a home. HERS Ratings will still be needed for the Performance Path.

COMPLIANCE OPTIONS: FIXED HERS SCORE METHOD



- *Builder/Rater identify builder preferred measures*
- *Rater models homes with measures relative to fixed HERS Score*
- *Rater/Builder iterate until identify measures that meet fixed HERS Score*
- *Builder constructs home and rater verifies measures*



- *Builder/Rater identify builder preferred measures*
- *Rater models homes to Reference Design to determine HERS Target Score*
- *Rater/Builder iterate until identify measures that meet HERS Target Score*
- *Builder constructs home and rater verifies measures*

COMPLIANCE OPTIONS PERFORMANCE VS. PRESCRIPTIVE



Mandatory Measures

Mandatory measures required for both paths.



COMPLIANCE OPTIONS

PERFORMANCE VS. PRESCRIPTIVE



ENERGY STAR

Prescriptive Path:
*All ENERGY STAR
Reference Design Specs
[only for homes
≤ Benchmark CFA]*

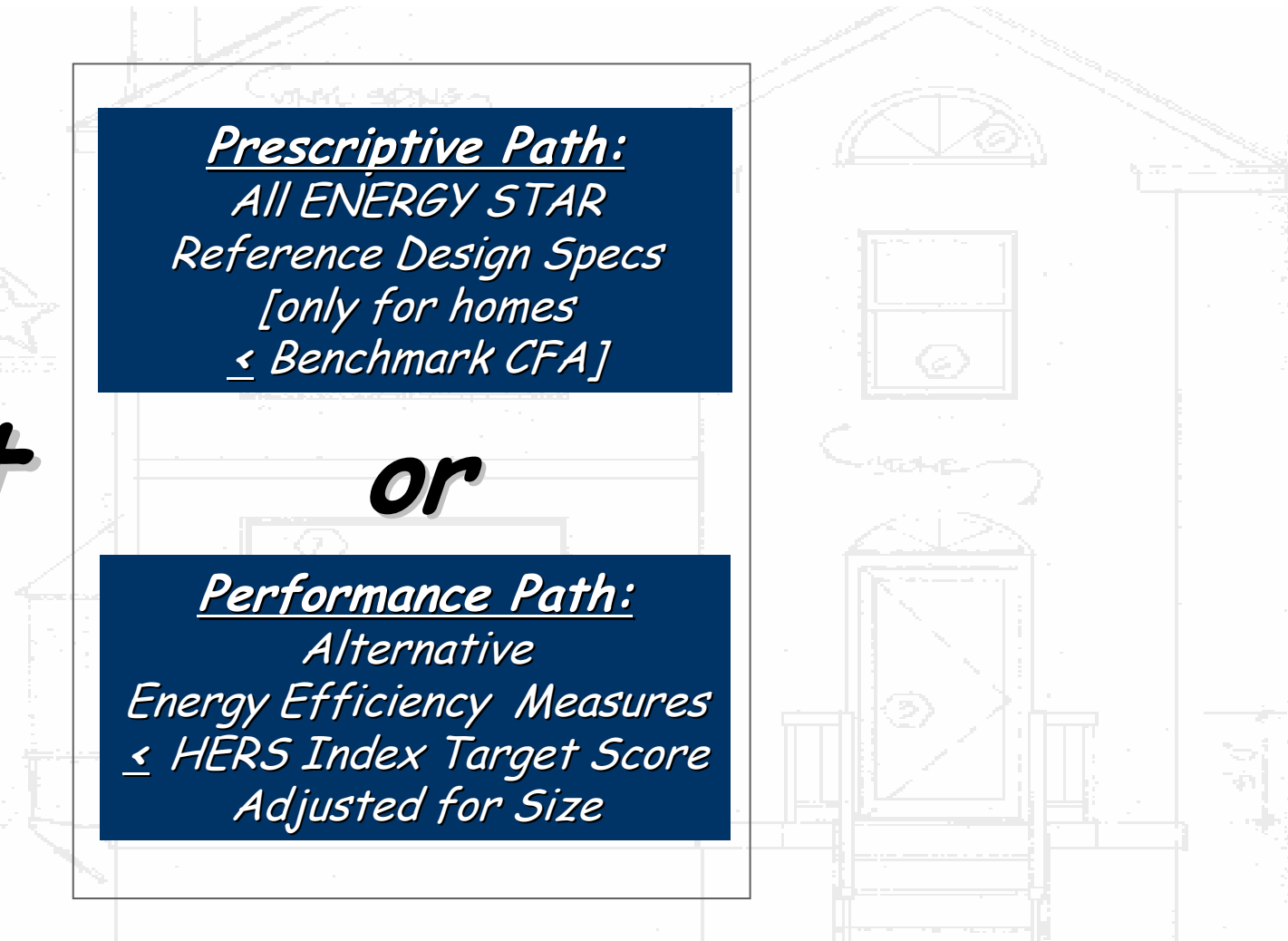
or

Performance Path:
*Alternative
Energy Efficiency Measures
≤ HERS Index Target Score
Adjusted for Size*

*Mandatory
Measures*

+

Mandatory
measures
required for
both paths.



COMPLIANCE OPTIONS PERFORMANCE VS. PRESCRIPTIVE



**Mandatory
Measures**

+

Mandatory
measures
required for
both paths.

Prescriptive Path:
*All ENERGY STAR
Reference Design Specs
[only for homes
≤ Benchmark CFA]*

or

Performance Path:
*Alternative
Energy Efficiency Measures
≤ HERS Index Target Score
Adjusted for Size*



**ENERGY STAR
Reference Design:**
*HVAC Equipment
Envelope & Windows
Water Heater
Thermostat
Lighting & Appl.*

COMPLIANCE OPTIONS PERFORMANCE VS. PRESCRIPTIVE



Mandatory Measures

+

Mandatory measures required for both paths.

Prescriptive Path:
All ENERGY STAR Reference Design Specs [only for homes \leq Benchmark CFA]

or

Performance Path:
Alternative Energy Efficiency Measures \leq HERS Index Target Score Adjusted for Size

ENERGY STAR Reference Design:
*HVAC Equipment
Envelope & Windows
Water Heater
Thermostat
Lighting & Appl.*

HERS Software Evaluation for Rated Home

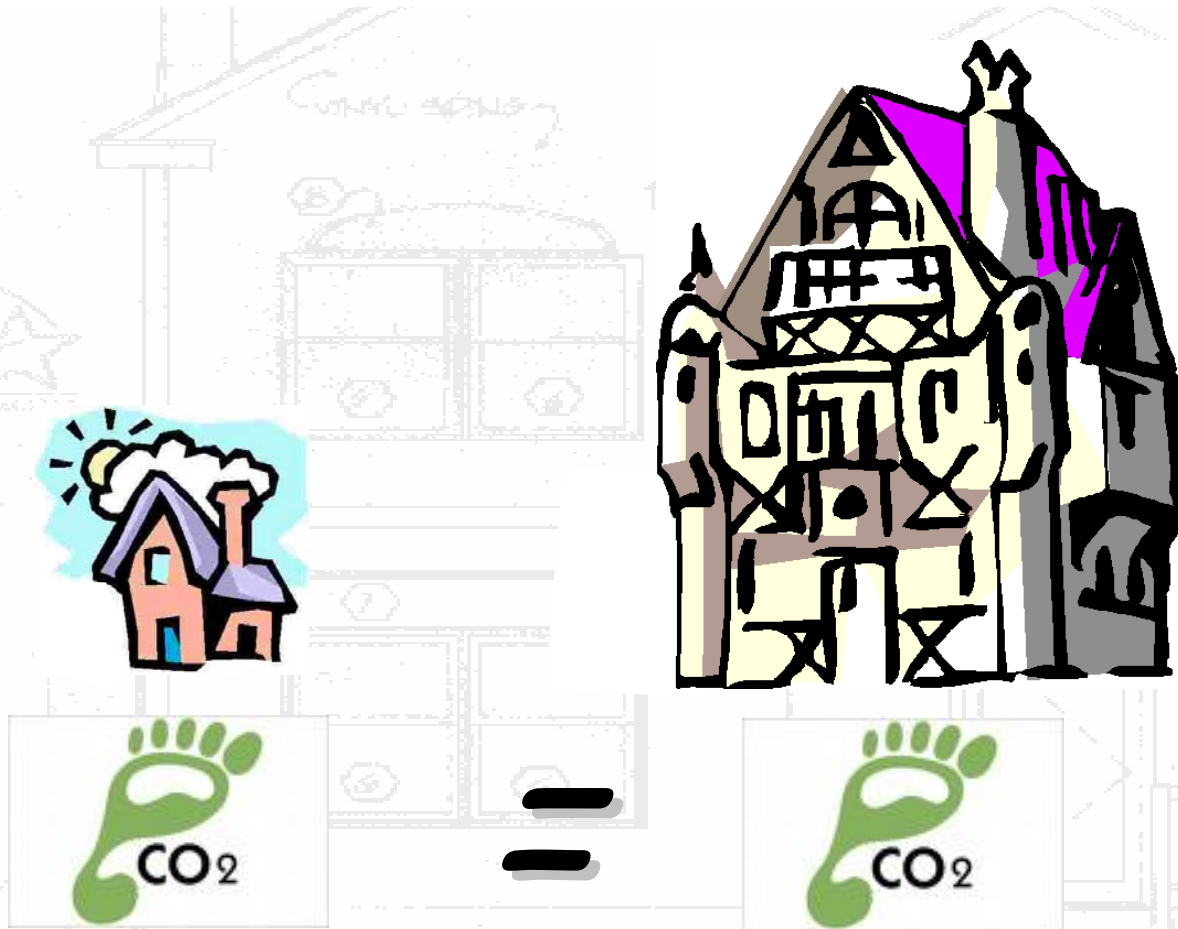
ENERGY STAR HERS Index Target Score [Size Adjusted]

COMPLIANCE OPTIONS

SIZE ADJUSTMENT FACTOR STRATEGY



ENERGY STAR



Goal is to equate the carbon footprint of smaller and bigger homes.

COMPLIANCE OPTIONS

SIZE ADJUSTED TARGET SCORE



Benchmark Home Size

<i>BR's</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
<i>CFA</i>	1000	1,600	2,200	2,800	3,400	4,000	4,600	5,200

$$\left(\frac{\text{CFA Benchmark Home}}{\text{CFA Rated Home}} \right)^{0.05}$$

Size Modification Factor not to exceed 1.0

x *HERS Index*
Target Score

Compare home size to benchmarks. Larger homes must be size adjusted.

COMPLIANCE OPTIONS

SIZE ADJUSTED TARGET SCORE



Benchmark Home Size

BR's	1	2	3	4	5	6	7	8
CFA	1000	1,600	2,200	2,800	3,400	4,000	4,600	5,200

$$\left(\frac{\text{CFA Benchmark Home}}{\text{CFA Rated Home}} \right)^{0.05}$$

Size Modification Factor not to exceed 1.0

x *HERS Index*
Target Score

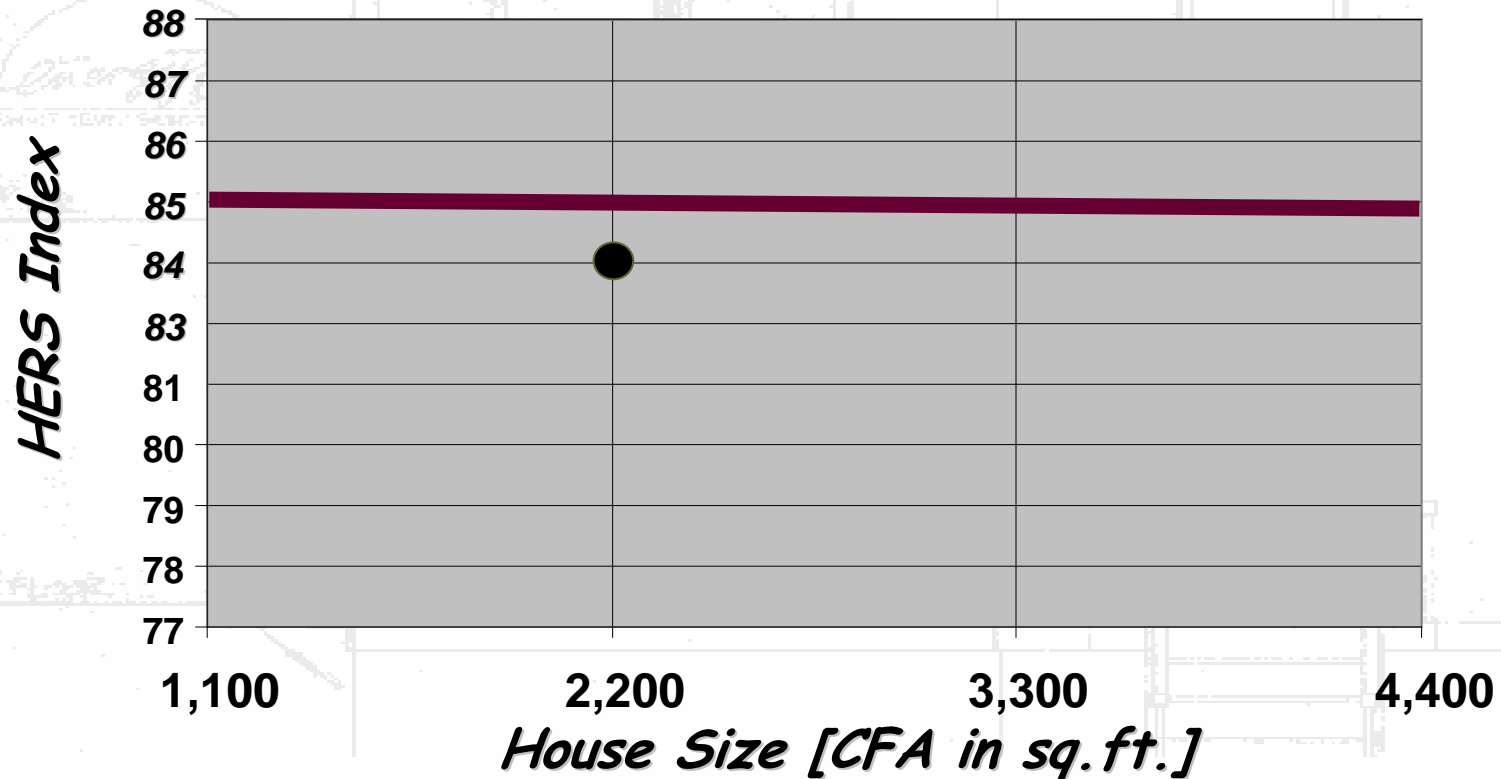
Will use a 3 bedroom home as an example to illustrate the size adjustment factor.

COMPLIANCE OPTIONS

2011 TARGET SCORE VS. FIXED SCORE



Current HERS Index Threshold ———
2011 HERS Index Target for 2,200 Sq. Ft. 3 BR Home ●

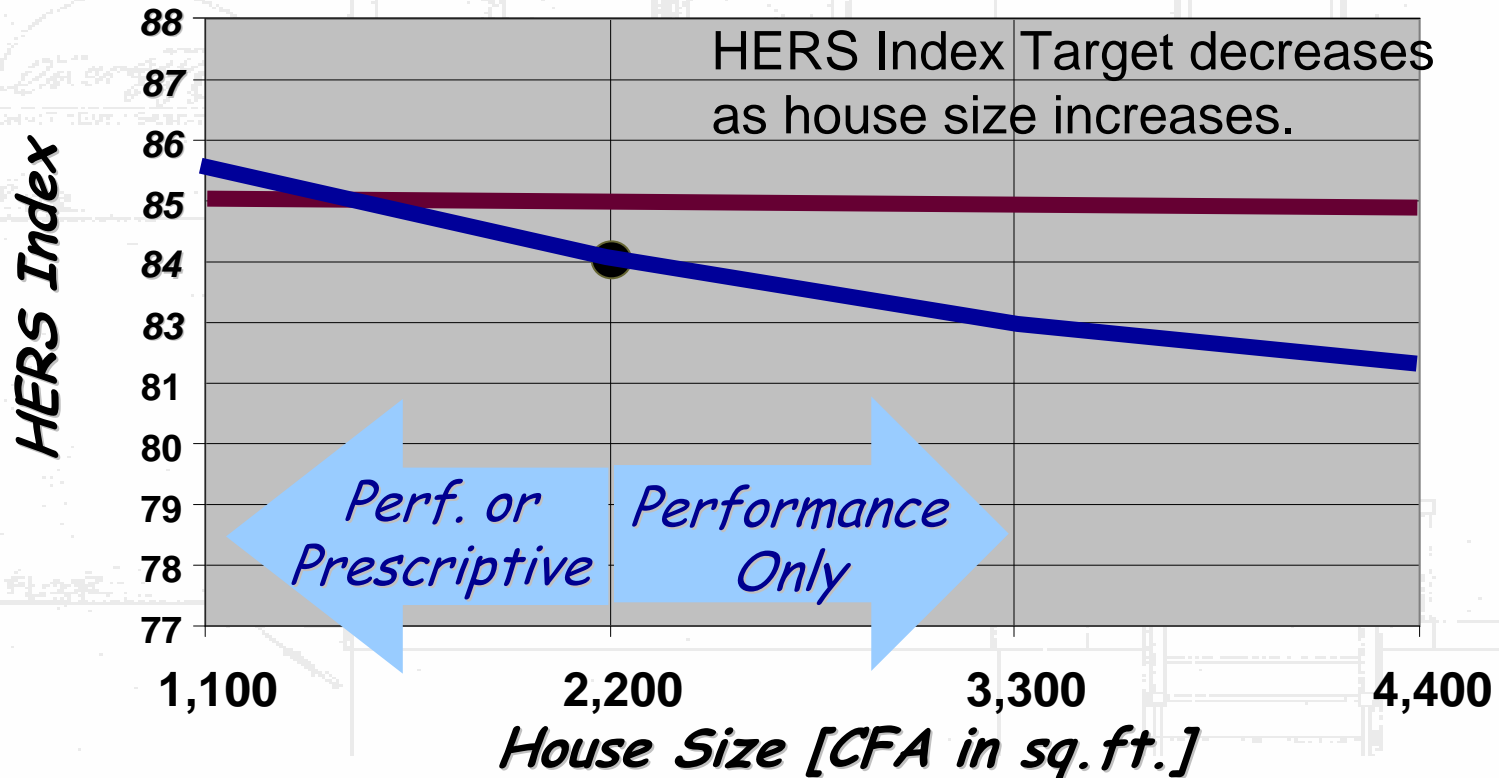


COMPLIANCE OPTIONS

2011 TARGET SCORE VS. FIXED SCORE



- Current HERS Index Threshold* ———
- 2011 HERS Index Target for 2,200 Sq. Ft. 3 BR Home* ●
- 2011 HERS Index Target for 3 BR Home Various Sizes* ———

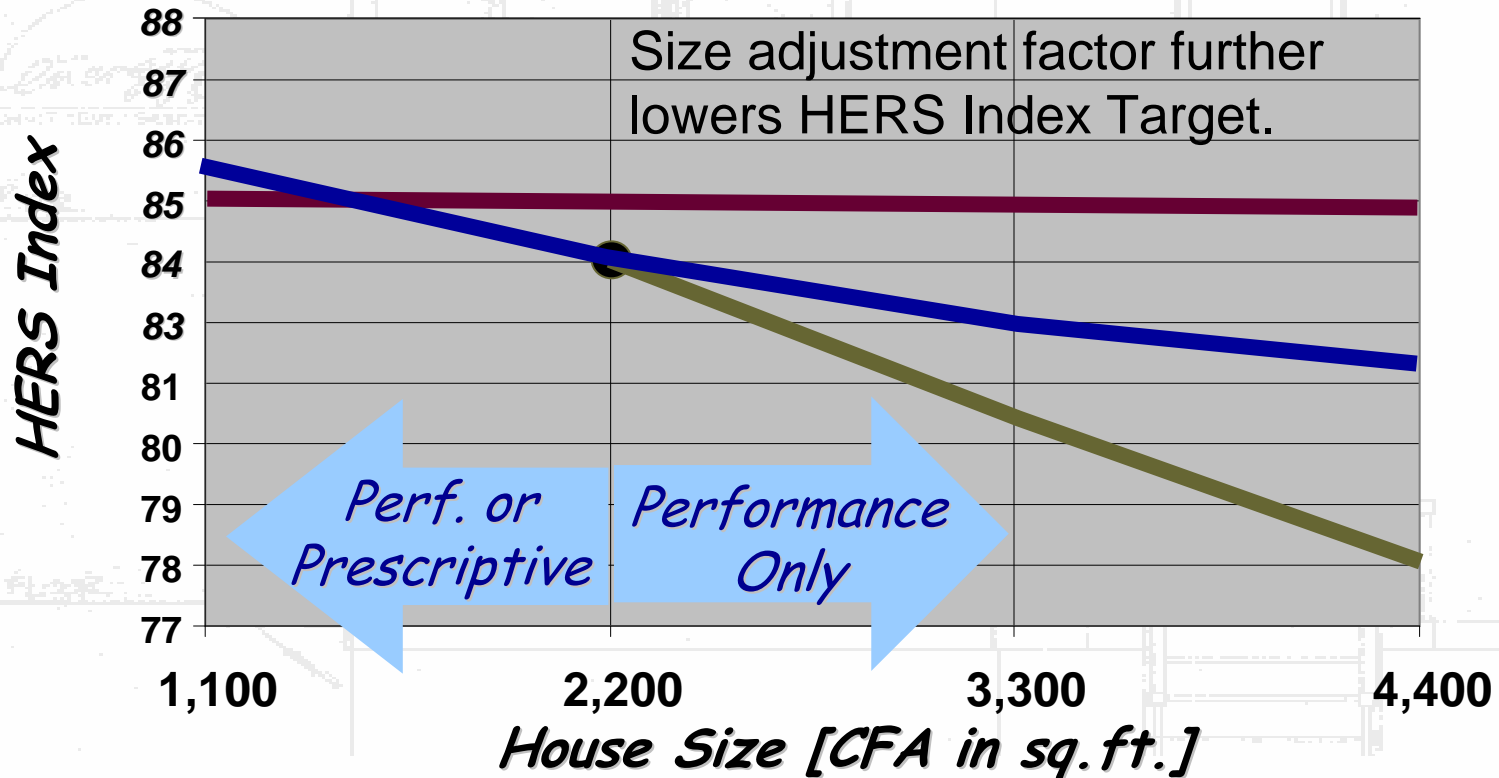


COMPLIANCE OPTIONS

2011 TARGET SCORE VS. FIXED SCORE



- Current HERS Index Threshold* ———
- 2011 HERS Index Target for 2,200 Sq. Ft. 3 BR Home* ●
- 2011 HERS Index Target for 3 BR Home Various Sizes* ———
- 2011 HERS Index Target for 3 BR Home Adjusted for Size* ———



COMPLIANCE OPTIONS

2011 TARGET SCORE VS. FIXED SCORE



- Current HERS Index Threshold* ———
- 2011 HERS Index Target for 2,200 Sq. Ft. 3 BR Home* ●
- 2011 HERS Index Target for 3 BR Home Various Sizes* ———
- 2011 HERS Index Target for 3 BR Home Adjusted for Size* ———

