



| v3 - LEED 2008

# Optimize energy performance

EAC1 | Possible 34 points

Glossary

## Intent

Improve the overall energy performance of a home by meeting or exceeding the performance of an ENERGY STAR labeled home.

## Requirements

### Prerequisites

**1.1 Performance of ENERGY STAR for Homes.** Meet the performance requirements of ENERGY STAR for Homes, including third-party inspections.

### Credits

**1.2 Exceptional energy performance** (maximum 34 points). Exceed the performance of ENERGY STAR for Homes. Use the equations below relating the Home Energy Standards (HERS) Index to the appropriate number of LEED points.

$$\text{South LEED Pts} = \{ [ \text{Log} (100 - \text{HERS Index}) ] / 0.024 \} - 48.3$$

$$\text{North LEED Pts} = \{ [ \text{Log} (100 - \text{HERS Index}) ] / 0.021 \} - 60.8$$

**Projects that registered starting October 1, 2014 must achieve a HERS 70 or better.**

Table 1. HERS Index and LEED Points

HERS Index	IECC Climate Zones 1-5		HERS Index	IECC Climate Zones 6-8	
	Percent Above IECC 2004	LEED for Homes Points		Percent Above IECC 2004	LEED for Homes Points
100	0		100	0	
95	5		95	5	
90	10		90	10	
85	15		85	15	
84	16		84	16	
83	17		83	17	
82	18		82	18	
81	19		81	19	
80	20		80	20	
79	21		79	21	
78	22		78	22	
77	23		77	23	
76	24		76	24	
75	25		75	25	
74	26		74	26	
73	27		73	27	
72	28		72	28	
71	29		71	29	
70	30	13.0	70	30	9.5
69	31	14.0	69	31	10.0
68	32	14.5	68	32	11.0
67	33	15.0	67	33	11.5
66	34	15.5	66	34	12.0
65	35	16.0	65	35	12.5
64	36	16.5	64	36	13.5
63	37	17.0	63	37	14.0
62	38	17.5	62	38	14.5
61	39	18.0	61	39	15.0

60	40	18.5	60	40	15.5
55	45	20.5	55	45	18.0
50	50	22.5	50	50	20.0
45	55	24.2	45	55	22.0
40	60	26.0	40	60	24.0
35	65	27.0	35	65	25.5
30	70	28.5	30	70	27.0
25	75	30.0	25	75	28.5
20	80	31.0	20	80	30.0
15	85	32.0	15	85	31.0
10	90	33.0	10	90	32.0
5	95	33.5	5	95	33.0
0	100	34.0	0	100	34.0

Figure 2. HERS Index Values and LEED Points

