| v2008.2 draft

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.

South
LEED Pts = { [Log (100 – HERS Index)] / 0.024 } - 48.3
North
LEED Pts = { [Log (100 – 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

	IECC			IECC	
	Climate Zones 1-5			Climate Zones 6-8	
HERS Index	Percent Above IECC 2004	LEED for Homes Points	HERS Index	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
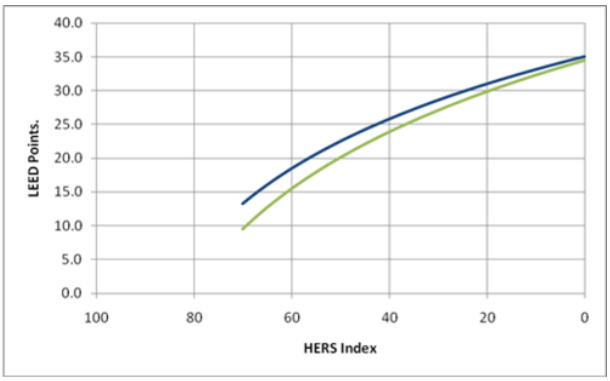
Figure 2. HERS Index Values and LEED Points