

Annual energy use

Possible 30 points

Intent

To improve the home's overall energy performance and reduce its greenhouse gas emissions.

Requirements

Follow the criteria in EA Prerequisite Performance for Energy Star Homes to demonstrate a percentage improvement in the proposed building's performance compared with the baseline building performance of ASHRAE 90.1-2010, or USGBC-approved equivalent standard for projects outside the U.S. Points are awarded according to Table 5.

Table 5. Points for reducing energy usage below ASHRAE baseline

Percentage reduction	Points
6%	1
7%	2
8%	3
9%	4
10%	5
11%	6
12%	7
13%	8
14%	9
15%	10
16%	11
17%	12
18%	13
19%	14
20%	15
22%	16
24%	17
26%	18
28%	19
30%	20
33%	21
36%	22
39%	23
42%	24
45%	25
48%	26
51%	27
54%	28
57%	29
60%	30

AND

Earn 1 point for every 4% decrease in conditioned floor area compared with the ENERGY STAR for Homes, version 3, reference home (Table 1). Buildings that are larger than the reference home lose 1 point for every 4% increase in conditioned floor area.

Projects cannot exceed the maximum number of points in the EA section.

Table 6. Conditioned floor area of reference home, by number of bedrooms

	1	2	3	4	5	6	7	8 or more
Floor area (square feet)	1,000	1,600	2,200	2,800	3,400	4,000	4,600	+ 600 ft ² per additional bedroom
Floor area (square meters)	93	148	204	260	315	371	426	+ 55.6 square meters per additional bedroom

For multifamily buildings, home size includes only *in-unit space*.

