

DCD Sq. Ft. Cost Analysis Sustainable Housing

The projects highlighted here show a variety of environmentally friendly home building methods along with their different ratings attained from NAHB, LEED® and Energy Star® and their projected cost to build across the nation.

The cost per square foot does not include architectural and engineering fees. Square footage is broken out in two categories: living area and total area with square footage cost for each. All projects were escalated to December 2011 and then to select cities.

These projects are housed in the DCD Archives™ at DCD.COM. The DCD Archives include over 1,400 projects as published in DCD magazine for cost modeling. For more information or to subscribe to DCD login at www.dcdarchives.com.

DCD Square Foot Cost Analysis Sustainable Housing - December 2011

	Historical Base	Atlanta	Pittsburgh	New York City	Dallas	Kansas City	Chicago	Los Angeles	Las Vegas	Seattle
Moderate — Single Family LEED Certified for Homes Insulated Concrete Forms/Metal Roof 2 Floors Living Area 2,020 sq.ft.	99.80	84.83	92.81	119.76	84.83	90.82	106.78	108.78	98.80	105.79
Total Area 3,940 sq.ft. (basement & garage)	57.76	49.10	53.72	69.32	49.10	52.56	61.81	62.96	57.19	61.23
Above Average — Single Family NAHB-Gold/Energy Star Concrete Siding/Shingle Roof 2 Floors Living Area 3,610 sq.ft.	165.26	140.47	153.69	198.31	140.47	150.39	176.83	180.13	163.61	175.17
Total Area (garage & porches) 4,613 sq.ft.	129.33	109.93	120.27	155.19	109.93	117.69	138.38	140.97	138.03	137.09
Moderate-Plus — Single Family Energy Star 5 Star Metal & Composite Siding/Metal Roof 2 Floors Living Area 2,289 sq.ft.	130.50	110.93	121.37	156.60	110.93	118.76	139.64	142.25	129.20	138.33
Total Area (unfinished basement & garage) 4,312 sq.ft. Square Cost does not include cost of solar PV system	69.28	58.89	64.43	83.13	58.89	63.04	74.13	75.51	68.58	73.43
Moderate-Plus — Single Family Passive Solar Concrete Siding/Shingle Roof 2 Floors Living Area 2,800 sq.ft.	187.61	167.86	183.66	236.99	167.86	179.71	211.31	215.26	195.51	209.34
Total Area (garage) 3,808 sq.ft.	145.21	123.43	135.05	174.25	123.43	132.14	155.38	158.28	143.76	153.92
Above Average — Multi-Family 12 Apartment Active Solar Collection Sustainable Metal Panel/Metal Roof Living Area 12,500 sq.ft.	128.88	109.55	119.86	154.65	109.55	117.28	137.90	140.48	127.59	136.61
Student Housing — 152 Bed Mix of Individual Apartments & Suites LEED Silver Structural Insulated Panel (SIP)/Shingle 50,500 sq.ft.	213.94	181.85	198.97	256.73	181.85	194.69	228.92	233.20	211.80	226.78