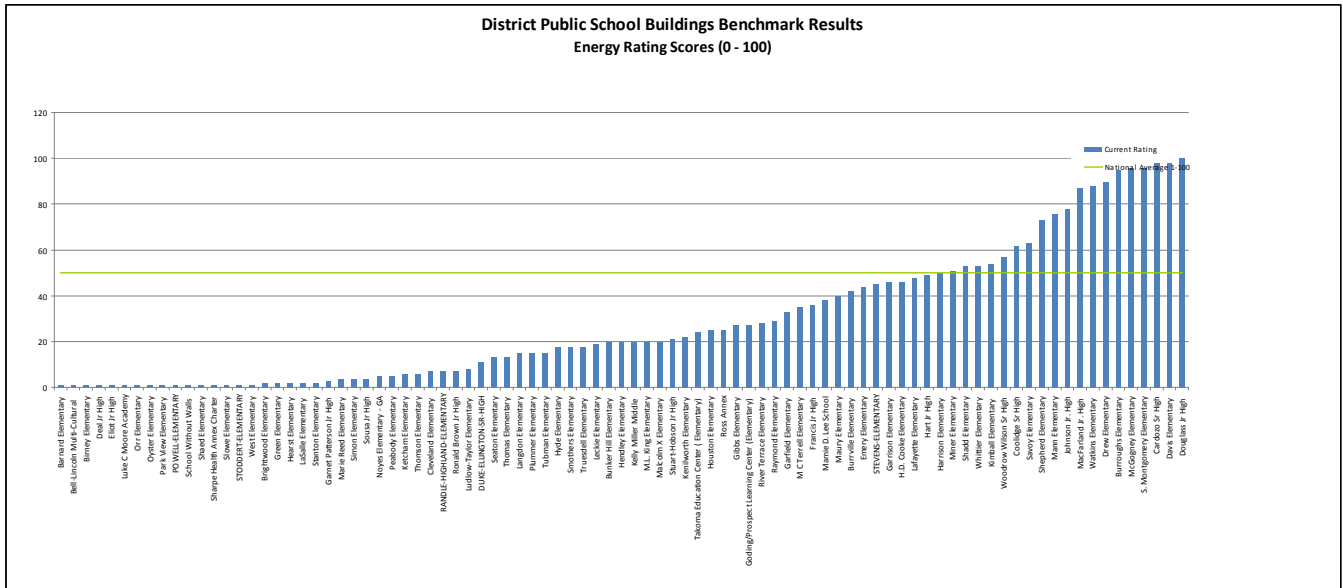


DC Public Schools

DC Public Schools (DCPS) comprise the largest portion of the District’s public buildings stock, with 125 schools currently in the DCPS portfolio. They are also the District’s most challenging buildings group, both in terms of buildings quality and energy information. The Office of Public Education Facilities Modernization (OPEFM) is leading a major improvements and construction effort to improve the public schools building stock. For FY 2009, 106 school buildings had sufficient energy utility data and building information for benchmarking.

Portfolio Manager provides a rating score of 0 to 100 for benchmarked school buildings, making it possible to compare a school building’s energy performance to that of others across the country based on building characteristics as well as use. A rating score of 50 indicates a building that performs at the national average. Average energy use intensity (EUI) per square foot is also available. The data table below shows individual benchmark results for school buildings. A listing of “na” indicates data that is unavailable or incomplete.

Overall, the District public schools building portfolio ranked in the 29th percentile nationally, indicating low performance for energy. (The average EUI for District school buildings is 207 kBtu/sq ft.) Benchmark results show a large number of buildings with either incomplete data or extremely high and extremely low scores (0 to 5 and 95 to 100), indicating likely problems with data accuracy. District staff estimates that about 50% of the benchmark results for schools merits further examination. Nevertheless, the overall measure of DCPS buildings’ energy performance is reasonable, pointing to both the need and an opportunity for improvement. Energy use in schools accounted for \$30 million of the District’s \$79 million facilities energy budget in FY 2009.



District School Facility	FY 2009 Energy Rating Score	Weather Normalized, Source Energy Use Intensity (EUI) (kBtu/sq ft*)	Total Floor Space (sq ft)	Total GHG Emissions (MtCO2e)	Site Electric Use (kWh)	Site Natural Gas Use (therms)	Energy Cost US \$ (per sq ft)
Dunbar Senior High	na	na	343,400	na	na	na	\$2.48
Eastern Senior High	na	na	288,800	na	na	na	\$1.61
Eaton Elementary	na	na	49,100	na	na	na	\$2.38
Ferebee-Hope Elementary	na	na	193,800	na	na	na	\$3.12
Fletcher-Johnson Elementary	na	na	302,000	na	na	na	\$2.88
Hamilton Junior High	na	na	180,700	na	na	na	\$1.94
Hine Junior High	na	na	131,300	na	na	na	na
Janney Elementary	na	na	43,400	na	na	na	\$2.31
Jefferson Junior High	na	na	109,000	na	na	na	\$2.84
Key Elementary	na	na	17,400	na	na	na	\$6.44
Lewis Elementary	na	na	49,500	na	na	na	\$1.72
Moten Elementary	na	na	99,700	na	na	na	\$0.76
Shaw Junior High	na	na	230,400	na	na	na	\$2.05
Turner Elementary	na	na	77,500	na	na	na	\$1.08
Tyler Elementary	na	na	69,600	na	na	na	\$2.14
Wilkinson Elementary	na	na	144,900	na	na	na	\$2.75
Winston Education Center	na	na	137,700	na	na	na	\$2.22
Barnard Elementary	1	290	72,500	958	1,844,177	na	\$2.19
Bell-Lincoln Multi-Cultural	1	306	325,217	4,607	6,043,094	275,796	\$3.75
Birney Elementary	1	188	86,800	783	749,828	73,979	\$2.45
Deal Junior High	1	380	143,700	2,497	4,686,656	11,563	\$2.68
Eliot Junior High	1	240	155,100	1,688	1,682,145	153,087	\$2.73
Luke C Moore Academy	1	686	27,482	872	1,295,954	37,306	\$7.40
Orr Elementary	1	396	75,900	1,369	2,197,704	42,713	\$2.36
Oyster Elementary	1	459	47,984	1,029	1,147,262	81,408	\$6.01
Park View Elementary	1	214	82,200	849	766,668	84,623	\$2.75
Powell Elementary	1	244	38,500	451	426,867	43,154	\$2.76
School Without Walls	1	280	35,680	455	875,620	0	\$3.53
Shaed Elementary	1	302	67,200	940	1,538,354	26,442	\$2.52
Sharpe Health Annex Charter	1	989	17,413	776	921,465	55,801	\$10.47
Slowe Elementary	1	208	54,500	514	476,141	50,011	\$2.25
Stoddert Elementary	1	228	17,400	172	183,112	14,450	\$3.05
West Elementary	1	384	69,600	1,213	1,864,646	45,955	\$3.58
Brightwood Elementary	2	354	78,036	1,250	1,910,828	48,412	\$3.91
Green Elementary	2	209	77,700	767	957,647	50,689	\$1.80

Hearst Elementary	2	263	17,400	206	234,114	15,908	\$2.70
LaSalle Elementary	2	124	63,000	371	440,512	26,705	\$1.60
Stanton Elementary	2	215	83,800	823	597,377	96,278	\$2.57
Garnet Patterson Junior High	3	285	82,700	1,066	1,447,646	58,924	\$2.31
Marie Reed Elementary	4	233	162,700	1,731	3,331,214	63.4	\$2.62
Simon Elementary	4	224	66,200	719	610,791	75,438	\$2.75
Sousa Junior High	4	230	160,000	1,670	2,210,646	97,954	\$2.48
Noyes Elementary - GA	5	345	51,500	805	1,134,971	40,524	\$3.39
Peabody Elementary	5	221	37,800	378	271,120	44,473	\$2.72
Ketcham Elementary	6	254	88,300	1,028	576,531	136,853	\$3.18
Thomson Elementary	6	287	67,000	882	1,600,600	9,394	\$2.27
Cleveland Elementary	7	365	37,100	616.71	1,171,034	1,554	\$4.05
Randle-Highland Elementary	7	244	75,500	839	1,378,684	23,070	\$2.74
Ronald Brown Junior High	7	237	156,000	1,703	1,630,543	160,841	\$3.07
Ludlow-Taylor Elementary	8	265	66,900	803	963,617	57,256	\$2.49
Duke Ellington Senior High	11	147	167,500	1,123	2,055,223	10,314	\$2.18
Seaton Elementary	13	260	65,000	771	1,083,726	39,009	\$2.01
Thomas Elementary	13	141	87,600	599	718,510	42,331	\$1.94
Langdon Elementary	15	199	101,400	913	953,636	78,387	\$2.43
Plummer Elementary	15	162	69,400	547	397,479	63,917	\$2.18
Tubman Elementary	15	249	66,600	751	809,069	62,048	\$2.69
Hyde Elementary	18	240	20,000	217	280,499	13,374	\$2.68
Smothers Elementary	18	174	43,000	358	375,360	30,612	\$2.06
Truesdell Elementary	18	228	69,600	719	724,517	64,430	\$2.80
Leckie Elementary	19	218	65,000	647	788,709	44,412	\$2.46
Bunker Hill Elementary	20	155	69,400	491	851,350	9,120	\$3.25
Hendley Elementary	20	134	73,200	466	546,596	34,155	\$1.73
Kelly Miller Middle	20	229	115,000	1,238	1,837,682	53,229	\$2.96
M.L. King Elementary	20	201	65,500	595	565,309	56,682	\$2.15
Malcolm X Elementary	20	172	110,800	918	1,179,656	57,420	\$2.25
Stuart-Hobson Junior High	21	197	105,900	946	675,757	111,808	\$2.53
Kenilworth Elementary	22	162	57,100	419	332,537	46,341	\$1.88
Takoma Education Center (Elementary)	24	126	119,000	712	1,369,533	0	\$1.37
Houston Elementary	25	142	59,900	405	487,297	28,455	\$1.76
Ross Annex	25	179	22,400	181	196,193	14,828	\$2.26
Gibbs Elementary	27	124	64,800	369	552,987	15,300	\$1.30
Goding/Prospect Learning Center (Elementary)	27	143	59,200	399	533,003	22,885	\$1.86
River Terrace Elementary	28	144	62,800	422	334,251	46,618	\$1.99
Raymond Elementary	29	189	73,600	627	852,852	34,592	\$1.86

Garfield Elementary	33	129	58,908	365	348,484	34,484	\$1.80
M C Terrell Elementary	35	177	112,000	921	1,336,667	42,611	\$2.23
Francis Junior High	36	194	95,100	825	770,903	79,853	\$2.23
Mamie D. Lee School	38	180	65,000	549	632,083	41,470	\$2.40
Maury Elementary	40	202	46,800	427	339,494	47,170	\$2.56
Burrville Elementary	42	145	95,000	629	1,183,680	2,533	\$1.76
Emery Elementary	44	197	63,800	574	1,104,101	0	\$1.41
Steven Elementary	45	76	39,500	140	210,021	5,747	\$1.05
Garrison Elementary	46	199	60,200	540	637,230	39,264	\$1.77
H.D. Cooke Elementary	46	142	86,000	556	1,069,200	0	\$1.18
Lafayette Elementary	48	97	113,600	515	990,965	0	\$1.15
Hart Junior High	49	132	210,700	1,327	1,369,556	115,754	\$1.65
Harrison Elementary	50	104	48,900	293	246,377	330	\$1.18
Miner Elementary	51	186	76,900	650	974,325	26,994	\$2.15
Shadd Elementary	53	117	72,100	386	336,223	39,654	\$1.41
Whittier Elementary	53	184	66,600	554	469,125	58,401	\$2.32
Kimball Elementary	54	148	83,400	559	417,103	64,319	\$1.99
Woodrow Wilson Senior High	57	160	271,300	1,879	1,768,488	180,374	\$1.92
Coolidge Senior High	62	123	271,300	1,515	2,735,059	17,563	\$2.08
Savoy Elementary	63	115	99,975	525	637,453	36,466	\$1.42
Shepherd Elementary	73	112	79,700	400	455,332	30,763	\$1.37
Mann Elementary	76	101	43,806	199	276,741	10,413	\$1.24
Johnson Junior High	78	105	182,500	878	1,670,937	1,861	\$0.82
MacFarland Junior High	87	90	110,000	454	816,537	5,610	\$0.81
Watkins Elementary	88	91	69,300	286	551,568	0	\$0.95
Drew Elementary	90	91	72,800	302	531,929	4,825	\$1.89
Burroughs Elementary	95	95	63,900	256	411,443	8,010	\$3.09
McGogney Elementary	96	49	67,600	152	291,947	0	\$0.50
S. Montgomery Elementary	96	73	73,700	244	470,231	0	\$0.37
Cardozo Senior High	98	75	355,400	1,206	2,041,522	27,226	\$2.60
Davis Elementary	98	77	71,100	250	419,631	6,073	\$2.08
Douglass Junior High	100	5	137,700	33	0	6,205	\$0.61

OPEFM and agencies including DRES, DDOE, and DCPS are working to improve the overall quality of District public school buildings. OPEFM new construction and major renovation projects (modernizations) are designed and built to meet LEED for Schools certification standards. Less major renovations incorporate improvements for energy efficiency. The District is investing more than \$11 million in federal stimulus funds to retrofit schools with energy and water conservation improvements.

* kBtu/sf represents 1,000 British thermal units per square foot, and is a standard conversion measure for various types of energy such as electricity and natural gas that may need to be compared or considered together.