

**Cambridge Municipal Facilities Energy Use Disclosure Report
Calendar Year 2015**

This report is presented in accordance with the Cambridge Building Energy Use Disclosure Ordinance. The ordinance requires large property owners to track and report annual energy use. Under the ordinance, the City reports energy use of buildings in its portfolio that are greater than 10,000 sf.

How Data Are Reported

The ENERGY STAR Portfolio Manager online tool calculates energy use metrics. Portfolio Manager applies a complex analytic model to compare and rank similar types of buildings across the country and over time by adjusting for differences in weather, climate, and use characteristics, such as number of operating hours and number of computers.

Benchmarking Score

K-12 schools and office buildings are the two categories that are eligible for a “benchmarking score” of 1 to 100. A score of 50 means that the building performs at the median of similar buildings nationwide; a score of 75 indicates that the building performs within the top 25% of its peers. ENERGY STAR scores and energy use intensity (EUI) can be used to compare a building's performance over time, against other buildings nationwide or similar buildings within a portfolio.

Property Name and Address	Gross Floor Area (GFA) (ft ²) ¹	Weather Normalized Site EUI (kBtu/ft ²) ²	Weather Normalized Source EUI (kBtu/ft ²) ²	Total GHG Emissions (Metric Tons CO ₂ e) ³	Water Use (kgal) ⁴	ENERGY STAR Score ⁵
<i>Primary Property Type: K-12 School</i>						
Baldwin School 85 Oxford Street	69,340	63	120	316		79
Cambridge Rindge & Latin School 459 Broadway	407,835	56	112	1,681		90
Cambridgeport School 89 Elm Street	58,323	69	117	272	39,623	61
Fletcher-Maynard Academy 225 Windsor Street	83,221	70	106	465		62
Graham & Parks School 44 Linnaean Street	78,732	53	80	321		88
Haggerty School 110 Cushing Street	53,664	78	148	301		66
Kennedy-Longfellow School 158 Spring Street	127,302	76	154	732	189,000	59
King Open Complex 850 Cambridge Street (includes Valente Library)	121,510	73	105	709	122,053	74
Longfellow Building 359 Broadway (temporary location of King School from 2013-15)	74,621	54	87	267		84
Morse School 40 Granite Street	74,806	83	136	418	59,144	68
Peabody Complex 70 Rindge Avenue (includes Gately Youth Center and O'Neill Library)	128,392	63	122	593	57,648	80
Tobin School 197 Vassal Lane	124,543	56	174	687	390,051	40
Upton Street Building (Amigos School) 15 Upton Street	58,529	65	96	302	36,213	82
Total K-12 School GFA	1,460,818					
K-12 School Median	78,732	65	117	418	59,144	74
<i>Primary Property Type: Office</i>						
Alice K. Wolf Center 5 Western Avenue	58,318	65	140	228	66,580	NA ⁶
City Hall Annex 344 Broadway	33,909	62	191	203	26,930	55
City Hall Building 795 Massachusetts Avenue	59,140	70	152	320	69,683	NA ⁷
Coffon Building 51 Inman Street	31,240	54	105	124		93
Lombardi Building 831 Massachusetts Avenue	21,808	96	223	169	16,433	51
Total Office GFA	204,415					
Office Median	33,909	65	152	203	46,755	55

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Primary Property Type: Vocational School					
Solomons Garage 454-456 Broadway (includes Plant Maintenance Dept.)	16,366	79	129	132	13,581
Primary Property Type: Library					
Cambridge Public Library 449 Broadway	120,186	131	267	1,013	
Central Square Branch Library 45 Pearl Street	15,447	42	76	46	20,876
Total Library GFA	135,633				
Library Median	67,817	86	171	530	20,876
Primary Property Type: Recreational Center					
Citywide Senior Center 806 Massachusetts Avenue	27,999	103	196	209	35,955
Frisoli Youth Center 61 Willow Street	20,059	96	192	143	1,365
Gold Star Mothers Memorial Pool 123 Berkshire Street	3,137	19	58	6	24,948
Moore Youth Center 12 Gilmore Street	10,537	74	106	49	170,000
Moses Youth Center 243 Harvard Street	19,405	115	185	146	
Russell Youth and Community Center 680 Huron Avenue	36,396	64	186	184	
Total Recreational Center GFA	117,533				
Recreational Center Median	19,732	85	186	145	30,451
Primary Property Type: Fitness Center/Health Club/Gym					
Russell Field Athletic Facility 359 Rindge Avenue	12,089	60	143	60	
War Memorial Recreation Center 1640 Cambridge Street	168,224	130	224	1,056	220,734
Total Fitness Center/Health Club/Gym GFA	180,313				
Fitness Center/Health Club/Gym Median	90,157	95	183	558	220,734
Primary Property Type: Fire Station					
East Cambridge Fire House 175 Cambridge Street	17,093	93	159	109	11,221
Fire Headquarters 491 Broadway	30,389	74	154	171	29,198
Inman Square Fire House 1384 Cambridge Street	16,728	54	77	56	14,000
Lafayette Square Fire House 378 Massachusetts Avenue	19,080	67	97	81	13,489
Porter Square Fire House 2029 Massachusetts Avenue	11,213	90	120	61	9,570
Taylor Square Fire House 113 Garden Street	16,188	103	143	103	
Total Fire Station GFA	110,691				
Fire Station Median	16,911	82	131	92	13,489
Primary Property Type: Police Station					
Robert W. Healy Public Safety Facility 125 Sixth Street	162,547	134	342	1,322	
Primary Property Type: Parking Garage					
First Street Parking Garage Complex ⁸ 51-69 First Street (includes retail and storage spaces)	404,152	131	410	160	
Green Street Garage ⁸ 260 Green Street	110,884	6	19	48	Included in Central Square Library
Vehicle Storage Building 250R Fresh Pond Parkway	8,792	183	306	110	Included in Sullivan Purification Facility
Total Parking Garage GFA	523,828				
Parking Garage Median	110,884	131	306	110	

Primary Property Type: Drinking Water Treatment & Distribution

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Walter J. Sullivan Water Purification Facility 250 Fresh Pond Parkway	155,632	238	633	3,268	2,932,913
<i>Primary Property Type: Public Service</i>					
DPW Complex 147 Hampshire Street (includes Frazier Administration Building, Ryan Garage, Simard Building, and DPW Trailer)	80,764	213	288	431	11,702
Total City GFA	3,148,540				
City Median	58,318	73	143	209	35,955

Additional Notes:

1 Includes buildings and parking

-An individual building under 10,000 square feet is included if it is one of multiple buildings on a single parcel of land that in summation exceed 10,000 square feet in gross floor area.

2 Energy Use Intensity: energy use per square foot. Generally, the lower the number the more efficient the building is.

-Portfolio Manager excludes parking areas from EUI calculations, which may result in artificially high EUI numbers.

-Site EUI measures the amount of energy consumed by the building on site per square foot of space

-Source EUI measures the amount of energy consumed by the building plus losses incurred in energy production, transmission and delivery to the site per square foot of space

3 Includes Scope 1 emissions (direct - produced on site by the building's energy use) and Scope 2 (indirect - produced off-site at energy generating facility).

-2015 data calculated using 2014 ISO emissions factors

4 Blank cells indicate data not available due to meter/Meter Transmission Unit installations or replacements in process.

5 K-12 schools and office buildings are the only building categories owned by the City that are eligible for ENERGY STAR scores.

6 Not eligible for ENERGY STAR Score because more than 25% of property is a type that is not eligible for a score (Adult Education)

7 Not eligible for ENERGY STAR Score because unoccupied space (attic) results in time-weighted weekly operating hours less than 30 (29.2)

8 Gross Floor Area updated from 2014 report to reflect more recent information

Source: ENERGY STAR Portfolio Manager