

City of Portland Municipal Facilities Energy Use Disclosure Report
Calendar Year 2018

This report is presented in accordance with the Portland Energy Benchmarking 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 20,000 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, mixed use properties, office buildings, senior care communities, and refrigerated warehouses are the five 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.

Weather Normalization

Energy use changes due to colder winters and hotter summers; weather normalized energy accounts for this difference and allows for a closer look at changes in energy use without the effect of weather.

Property Name and Address	Property GFA - Calculated (Buildings) (ft ²)	Site EUI (kBtu/ft ²)	Weather Normalized Site EUI (kBtu/ft ²)	Source EUI (kBtu/ft ²)	Weather Normalized Source EUI (kBtu/ft ²)	Total GHG Emissions (Metric Tons CO ₂ e)	Water Use (All Water Sources) (kgal)	ENERGY STAR Score
Primary Property Type: K-12 School								
Deering High School 370 Stevens Avenue	191,438	71.9	75.1	94.2	97.8	775.5	797.4	59
East End Community School 195 North Street	72,620	97.6	101.2	156	159.5	425	1063.7	20
Hall Elementary School ¹ 23 Orono Street	54,036	41.5	N/A ²	53.9	N/A ²	166.4	N/A ³	95
King Middle School 92 Deering Avenue	89,263	64.1	66	88.1	90.3	327.1	753.3	72
Lincoln Middle School 522 Stevens Avenue	93,936	71.9	75	75.5	78.8	358.7	333.6	84
Longfellow Elementary School ⁶ 432 Stevens Avenue	125,719	3.2	3.2	8.8	8.8	29.7	243.1	100
Lyman Moore Middle School 171 Auburn Street	102,958	144.3	150.5	173.8	180.4	817.9	691.9	12
Lyseth Elementary School ⁷ 175 Auburn Street	49,444	15.2	15.4	40.1	40.5	55.7	155.6	99
Ocean Avenue Elementary School 150 Ocean Avenue	68,847	66.8	67.6	103.2	104	272.7	291	49
PATHS 196 Allen Avenue	172,173	80	N/A ³	118.1	N/A ³	834.7	953.8	45
Peaks Island School 4 Church St	6,750	224.1	224.4	258.5	258.5	112.3	55.4	1
Portland High School 284 Cumberland Avenue	266,228	55	56.9	78.7	80.9	847.3	706.9	79
Presumpscot Elementary School 69 Presumpscot Street	25,430	80.8	83.3	119	121.2	120	205.7	47
Reiche Community School 166 Brackett Street	112,346	78	80.9	110.2	113.2	505.3	757	48
Riverton School 1600 Forest Avenue	106,754	100.2	103.3	167.6	170.9	651.4	1256.7	14
Total K-12 School GFA	1,537,942							
K-12 School Median	93,936	72	75	103	104	359	699	49
Primary Property Type: Office								
School Administration Building 28 Portland Street	52,628	66.9	69	70.3	72.5	187.1	200.5	90
Primary Property Type: Senior Care Community								
Barron Center 1145 Brighton Avenue	117,032	131.9	132.9	205.8	204.9	921.5	6580.6	66
Primary Property Type: Refrigerated Warehouse								
Portland Fish Pier Warehouse 6 Fish Pier	38,824	78.1	77.9	166	164.5	201.7	953.8	39
Primary Property Type: Other - Public Services								
Central Maintenance 52 Hanover Street	18,880	118.5	122.3	176	179.8	131	86.8	

City Hall and Merrill Auditorium 389 Congress Street	165,876	90.5	93.4	139	142.1	888	954.5
Cummings Community Center & Munjoy Hill Fire Station 134 Congress Street	14,832	130.6	134.7	210.9	214.4	116.5	191.5
Evergreen Cemetery Building 672 Stevens Avenue	1,288	572.3	591.9	704.4	724.2	55.1	3
Peaks Island Community Center and Public Safety Bulding 129 Island Avenue	2,000	296.9	305.4	440	448.6	44.2	57.6
Peaks Island Garage and Transfer Station 193 Brackett Avenue	640	N/A ⁴	N/A ⁴	N/A ⁴	N/A ⁴	0	N/A ⁴
Portland Public Works 250 Canco Road	54,883	74.7	77.1	106.6	109.6	237.1	307.4
PPL Shared Collection Management Center 1000 Riverside Street	35,000	12.1	12.2	22.4	22.2	26.7	35.9
Riverside Golf Course Clubhouse 1158 Riverside Street	8,820	80.5	81.7	187.8	189.9	49.1	272.3
14 Ocean Gate 14 Ocean Gateway Pier	18,717	0.1	0.1	0.1	0.1	0.1	180.3
2 Ocean Gate 2 Ocean Gateway Pier	40,768	36.7	38.6	38.6	40.5	79.6	2001.8
Total Public Services GFA	361,704						
Public Services Median	18,717	86	88	158	161	55	186
Primary Property Type: Library							
Portland Public Library 5 Monument Way	81,990	78.7	78.7	142.4	141.1	403.7	411.4
Portland Public Library Burbank Branch 377 Stevens Avenue	6,870	42.5	43.4	65.9	66.8	17.3	29.2
Total Library GFA	88,860						
Library Median	44,430	61	61	104	104	211	220
Primary Property Type: Fire Station							
Allen Avenue Fire Station 386 Allen Avenue	5,800	51.7	51.7	63.5	63.5	22.3	7.5
Bramhall Fire Station 784 Congress Street	19,600	73.6	N/A ⁵	113.7	N/A ⁵	99.9	270.8
Central Fire Station 380 Congress Street	44,262	34.3	34.9	46.7	47.2	86.5	239.4
Ocean Avenue Fire Barn 474 Ocean Avenue	2,706	132.7	133.6	194.7	194.7	26.7	132.4
Riverton Fire Barn 1600 Forest Avenue	4,654	116.9	118.8	173.8	174.5	41.5	133.2
Stevens Avenue Fire Barn Stevens Avenue	5,428	96.1	98.1	133.4	134.9	38.8	74.8
Total Fire Station GFA	82,450						
Fire Station Median	5,614	85	98	124	135	40	133
Primary Property Type: Mixed Use Property							
Parks, Recreation and Facilities Department 212 Canco Road	68,730	51	52.1	76.4	77.6	205.8	151.9
Portland Central Kitchen 92 Waldron Way	21,180	120.7	123.4	210.9	213.7	158	225.9
Total Mixed Use Property GFA	89,910						
Mixed Use Property Median	44,955	86	88	144	146	182	189
Primary Property Type: Police Station							
Portland Police Station 109 Middle Street	63,038	157.3	161.3	277	280.4	614.7	339.6
Primary Property Type: Parking							
Elm St Parking Garage 21 Elm Street	170,000	2.6	2.6	7.1	7.2	24.9	62.1
Spring Street Parking Garage 45 Spring Street	222,270	6.3	6.4	17.1	17.3	103.6	52.4
Total Parking GFA	392,270						
Parking Median	196,135	4	5	12	12	64	57
Primary Property Type: Fitness Center/Health Club/Gym							

Exposition Building 239 Park Avenue	62,038	186.4	186.4	319.5	319.5	710	432.4
Primary Property Type: Ice/Curling Rink							
Portland Ice Arena 225 Park Avenue	33,437	290.1	292	485.8	486.9	590.8	1140.8
Primary Property Type: Museum							
Fire Museum 157 Spring Street	8,316	44.6	46	46.5	48	27.5	1.5
Primary Property Type: Transportation Terminal/Station							
Portland Ocean Terminal 14 Maine State Pier	100,000	78.6	78.5	220.1	219.7	589	3236.1
Portland International Jetport 1001 Westbrook Street	140,000	114.2	114.9	119.8	120.6	858	8330.3
Total Transportation Terminal/Station GFA	240,000						
Transportation Terminal/Station Median	120,000	96	97	170	170	724	5,783

Total City GFA	3,168,449						
City Median	52,628	78	79	119	121	158	271

Notes:

¹New Amanda C. Rowe School data not available because there were not active meters for a full year

²Not Available because there were too few oil or propane deliveries to calculate data

³Not Available because there was not an active meter for the entire year - ended 6/30/18

⁴Missing water usage and waiting on electric usage from CMP

⁵Not Available because there is not a full year of natural gas - started 10/1/18

⁶Longfellow gets its heat from Deering's boiler plant

⁷Lyseth gets its heat from Moore's boiler plant