



An initiative from the Canadian Coalition for Green Health Care

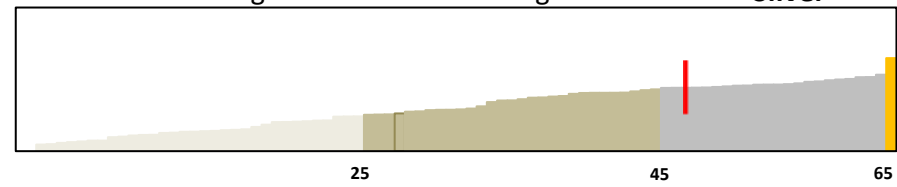
Markham Stouffville Hospital

Peer Group (PG): Community
 BEDS: 309
 AREA: 65,961 m²
 Climate Zone: 0



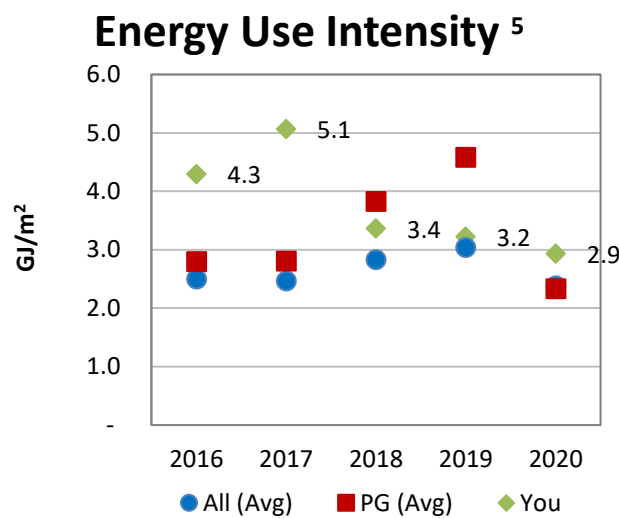
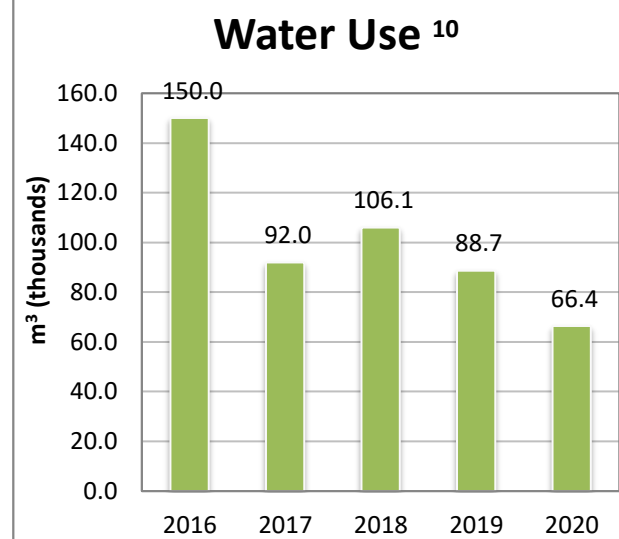
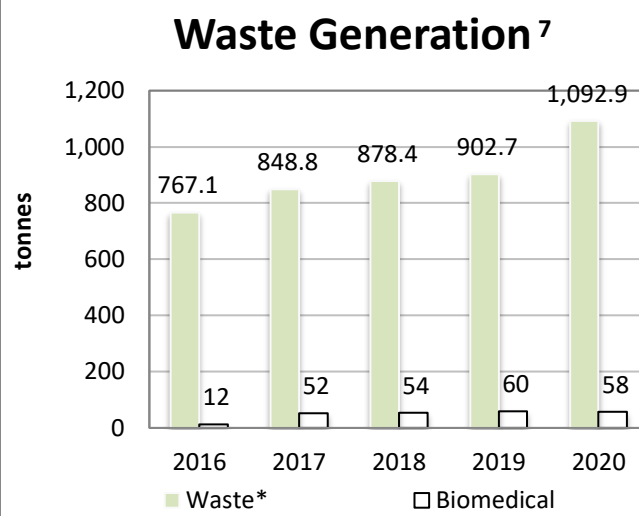
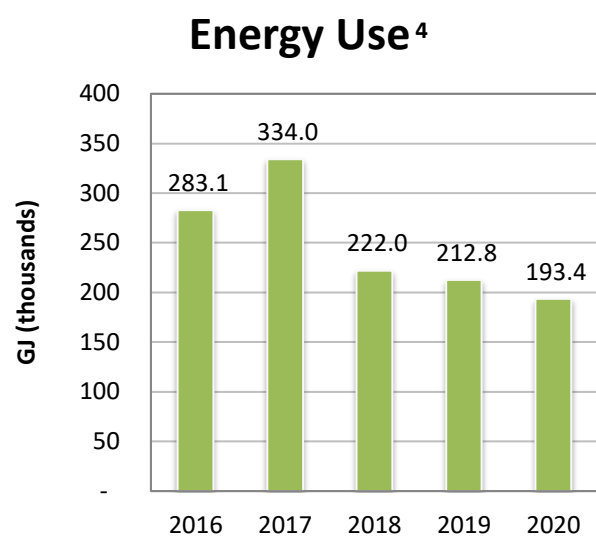
Energy Use (reported units) ¹	Reported	Conversion
Electricity	14,106,808 kWh	50,785 GJ
Natural Gas	7,470 m ³	286 GJ
Purchased Heat	3,412,290 m ³	130,554 GJ
Purchased Cooling	3,265,685 kWh	11,756 GJ
Fuel Oil	-	- GJ
Propane	-	- GJ
Total Estimated Facility Energy		193,381 GJ
Total GHG Emissions (tonnes of CO₂e)		7,982
<i>Acres of Mature Trees to Absorb CO₂e</i>		<i>3,081</i>

Congratulations! Your recognition level is: **Silver**²



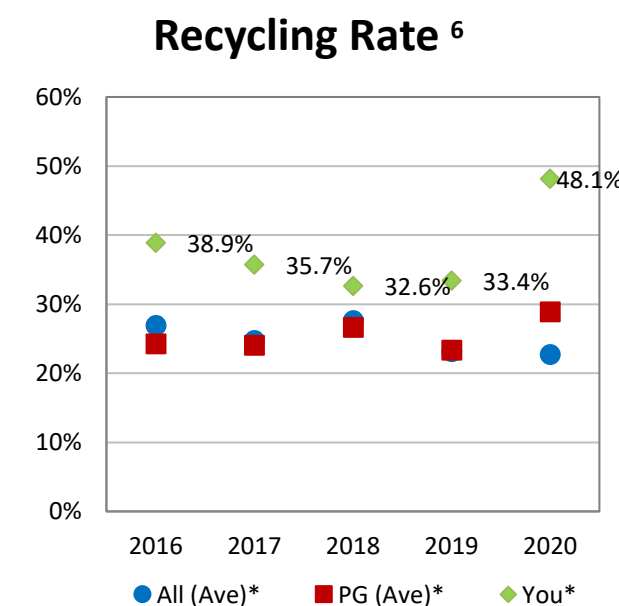
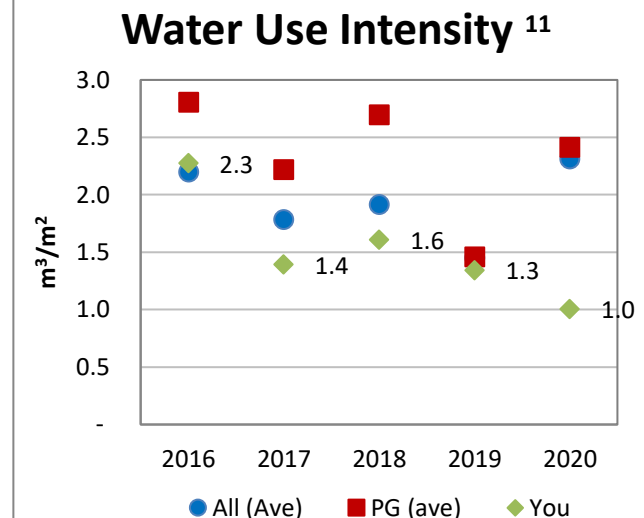
Your Hospital Performance Change from Last Year³

Leadership	Policy	Energy	Waste	Recycle	Water	GHG
0%	22.2%	-9.1%	(17.4%)	30.6%	-25.1%	-10.5%



Waste Intensity⁸

Tonnes/bed					
You*	2.70	2.99	2.84	2.92	3.54
PG (Avg)*	3.73	2.93	3.50	5.00	4.21
All (Avg)*	3.36	3.32	3.43	7.79	2.91
Tonnes/outpatient visit					
You	0.003	0.003	0.003	0.003	0.003
PG (Avg)	0.005	0.005	0.006	0.004	0.004
All (Avg)	0.006	0.005	0.008	0.047	0.005
Tonnes/inpatient day					
You	0.008	0.008	0.008	0.009	0.012
PG (Avg)	0.100	0.011	0.015	0.029	0.034
All (Avg)	0.091	0.022	0.027	0.078	0.017
Tonnes/m ²					
You	0.012	0.013	0.013	0.014	0.017
PG (Avg)	0.018	0.012	0.021	0.027	0.014
All (Avg)	0.016	0.014	0.022	0.029	0.011



Waste Distribution⁹

	You	PG (Ave)	All (Ave)
General/Non-Hazardous	45.0%	62.1%	61.7%
Biomedical	5.1%	6.2%	7.6%
Blue Bin	4.7%	7.5%	7.6%
Green Bin	-	4.1%	3.8%
Cardboard	3.3%	6.1%	6.1%
Shredded Paper	38.6%	10.9%	4.7%
E-Waste	0.5%	0.3%	0.2%
Batteries	0.0%	0.1%	0.1%
Lights	0.1%	0.0%	0.0%
Scrap Metal	0.8%	0.6%	0.5%
Scrap Wood	1.1%	0.1%	0.0%
Pallets	-	0.3%	0.6%
Other	0.9%	1.6%	7.2%

Leadership¹²

	Support	Outreach	Commitment
Leadership	●●●●	●●●●●	●●●●●

Policy and Planning¹³

	Policy	Target	Plan
Purchasing	●	●	●
Toxics	●	●	●
Construction	●	●	●
Energy	●	●	●
Waste	●	○	○
Water	●	●	●

Guidance on Interpretation of Green Hospital Scorecard Data

Data provided in this benchmark report was collected by the Canadian Coalition for Green Health Care through the Green Hospital Scorecard (GHS) program. The 2018 Scorecard reports on hospital's environmental performance for the 2017 calendar year. GHS compares your hospital performance to all participating hospitals and those in your peer group (Academic, Community, Non-Acute, or Small).

1. Energy Use

This section reports on the data submitted to the GHS survey for each fuel source and its conversion to gigajoules (GJ). $1 \text{ GJ} = 1 \times 10^9 \text{ J}$. It also reports on the hospital CO₂e emissions and the number of acres of trees that would absorb the emitted CO₂e per year. For more information please see the *Review of the Green Hospital Scorecard* on our website at <https://greenhealthcare.ca/ghs/>.

2. Your Hospital Recognition Level

This section displays your hospital's overall score relative to the recognition levels of Merit, Bronze, Silver and Gold. The chart shows the distribution of participating hospitals' scores for this program year. Your hospital's score is displayed as the red line on this graph, relative to the recognition levels of your peers.

3. Your Hospital Performance Change from Last Year

This chart is populated with your hospital's improvements year over year. An improvement in performance is indicated by green text, a decline in performance is indicated by red text encased in brackets, and no change in performance is indicated by black text. For more information please see the *Review of the Green Hospital Scorecard* on our website at <https://greenhealthcare.ca/ghs/>.

4. Energy Use

Energy use is the annual total of the electricity, natural gas, propane, fuel oil, district heat and district cooling used in gigajoules (GJ).

5. Energy Use Intensity

Energy Use Intensity (EUI) captures a building's annual energy use as a function of its size, in terms of "conditioned floor space" in square meters (m²). For more information please see the *Review of the Green Hospital Scorecard* on our website at <https://greenhealthcare.ca/ghs/>.

6. Recycling Rate

Recycling Rate is a measure of a hospital's success in diverting the waste that was generated. The recycling rate definition expanded in the 2013 reporting year. The recycling rate includes Blue Bin materials, Cardboard, Green Bin materials and Shredded Paper. For more information, please see the *Review of the Green Hospital Scorecard* on our website at <https://greenhealthcare.ca/ghs/>.

7. Waste Generation

Waste generation is the hospital's annual generation of general/non-hazardous, biomedical, and diverted wastes in tonnes. The waste generation definition has changed in 2013 reporting year. It is the total of the general/non-hazardous, blue bin, green bin, cardboard and shredded paper waste. The biomedical waste is reported separately in the chart. For more information, please see the *Review of the Green Hospital Scorecard* on our website at <https://greenhealthcare.ca/ghs/>.

8. Waste Intensity

Waste Intensity is a measure of the hospital's overall waste management performance, and takes into account the net effect of all waste generation, waste prevention, and waste minimization programs. This indicator is a measure of how much waste is generated in a facility relative to the hospital size and activity measured in beds, inpatient days, outpatient visits and the "conditioned floor space" in square meters (m²). For example, waste intensity normalized for beds is reported in tonnes/bed. The waste intensity definition changed in the 2013 reporting year. For more information, please see the *Review of the Green Hospital Scorecard* on our website at <https://greenhealthcare.ca/ghs/>.

9. Waste Distribution

Waste Distribution is a measure of hospital waste composition as a percentage of each waste stream weight compared to the total weight of hospital waste. For this measure, the total weight of hospital waste is the sum of all the waste stream categories in GHS survey. For more information please see the *Review of the Green Hospital Scorecard* on our website at <https://greenhealthcare.ca/ghs/>.

10. Water Use

Water Use is the annual volume of water used by the hospital in cubic meters (m³).

11. Water Use Intensity

Water Use Intensity expresses a building's annual water use as a function of its size, in terms of "conditioned floor space" in square meters (m²).

12. Leadership

Leadership is a measure of corporate commitment to environmental sustainability as gauged by the presence of formalized organization-wide commitments as well as support and outreach with respect to energy, waste, water and special events. The score is based on the presence of commitment, support and outreach.

13. Policy and Planning

Policy and planning is a measure of a hospital's progress in environmental planning and target-setting in six areas: environmentally preferable purchasing, toxins management, sustainable construction/ renovation, energy, waste and water. The score is based on the presence of a governing policy, a defined target, and an action plan.

Legend: ● Present ○ Not Present

Graph Legend

●	All (Avg)	Average of all participating hospitals
■	PG (Avg)	Average of participating hospitals in your Peer Group (Academic, Community, Non-Acute, or Small)
◆	You	Your hospital

