

## 2024 Member Annual Assessment Report – Waterloo Regional Health Network

### Summary

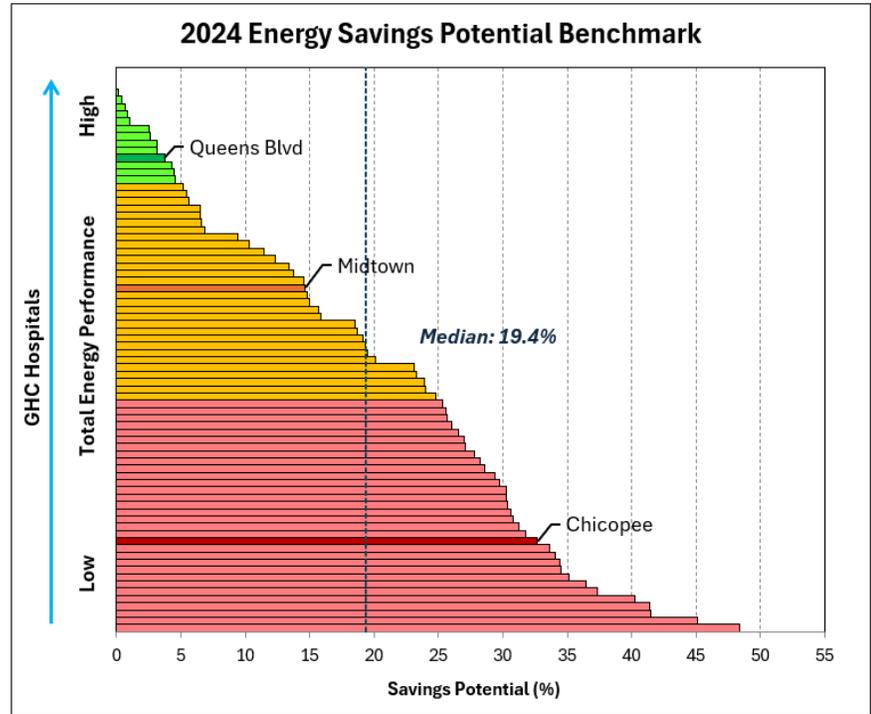
Based on peer energy benchmarks, your hospital has a savings potential of \$784,089/year and 1,610 tonnes of greenhouse gas emissions. Your total energy increased by 3.6% with cost increases of \$191,776 in 2024, compared to the weather-normalized baseline of 2023.

This report provides the targets, business case and direction for achievable energy performance

Utility	Savings Potential (\$/year)
Electricity	\$510,902
Thermal energy (gas, steam)	\$273,187
<b>Total Energy</b>	<b>\$784,089</b>

Water	\$455,024
Emissions (Tonnes Co2e)	1,610



### 2024 Energy and Water Targets

Greening Health Care targets are considered ‘good practice’ standards, readily attainable without major capital investment or new technology through good operations, maintenance and control of existing systems and cost-effective retrofits. The target for each weather sensitive and non-weather sensitive energy and water component is set at the top quartile level of the benchmarked data set for the hospital type, meaning that 25% of the facilities already operate at or better than this level. Base components of energy use relate to systems that run year-round, cooling is additional energy used in summer for air conditioning, and heating is energy used for heat and humidification during the winter.

Hospital	Electricity (kWh/ft <sup>2</sup> )				Thermal (ekWh/ft <sup>2</sup> )				Total Energy (ekWh/ft <sup>2</sup> )		Annual Savings Potential		
	Base		Cooling		Base		Heating		Actual	Target	%	Cost	GHG tonnes
	Actual	Target	Actual	Target	Actual	Target	Actual	Target					
Midtown	22.0	19.7	2.4	2.2	27.1	17.0	10.0	13.6	61.4	52.4	14.6%	\$393,849	856
Chicopee	16.8	14.0	1.8	1.1	17.2	4.9	8.2	9.7	44.1	29.7	32.7%	\$284,120	669
Queens Blvd	18.6	18.6	4.0	2.4	25.8	19.0	8.2	14.1	56.5	54.1	4.3%	\$106,119	85

Component savings targets point to building systems and conservation measures with the biggest savings. Components shaded in red have high potential, orange are moderate and green are your most efficient components with little or no potential for savings. Contact us to discuss the best measures and direct you to our checklists and best practices guides which can also assist with measure identification.

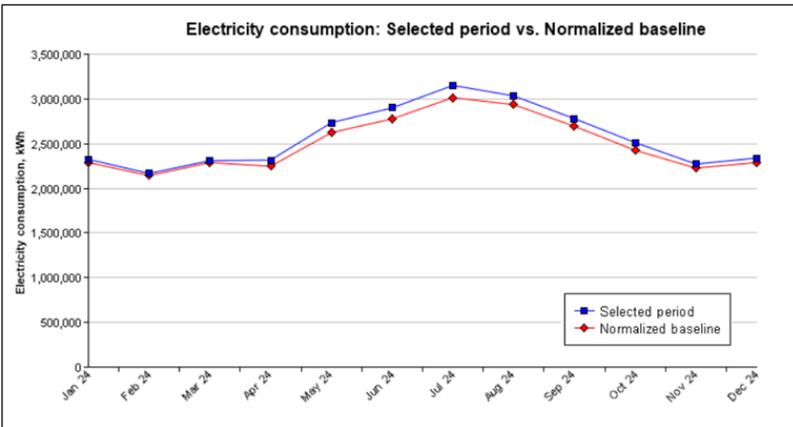
Hospital	Total Water (litres/ft <sup>2</sup> )		Savings Potential	
	Actual	Target	%	Cost
Midtown	294.0	171.1	41.8%	\$366,542
Chicopee	130.3	96.4	26.0%	\$48,185
Queens Blvd	158.0	135.8	14.0%	\$40,297

## Savings Reporting (2024 vs 2023)

Savings, normalized for weather differences, are monitored through the Greening Health Care online reporting system at <https://ghc.enerlife.com>. The blue dots/line on the charts is your 2024 monthly use and is compared against the red line, which is your 2023 weather-normalized baseline. Savings were achieved in months where the blue line is below the red.

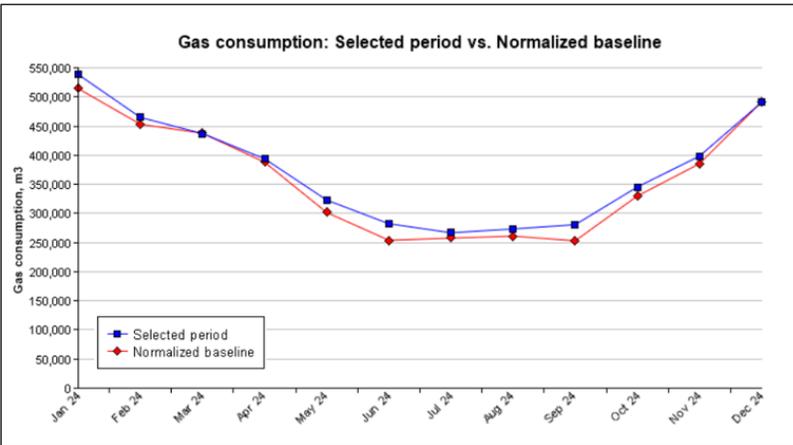
	Electricity	Gas	Water	Total Cost	Energy %	GHG tonnes
Midtown	-\$7,475	-\$19,624	-\$79,596	-\$106,695	-1.6%	-108.9
Chicopee	-\$36,956	-\$8,028	-\$22,973	-\$67,957	-3.6%	-51.3
Queens Blvd	-\$88,627	-\$31,066	-\$22,527	-\$142,220	-7.0%	-187.8

Savings
Increases



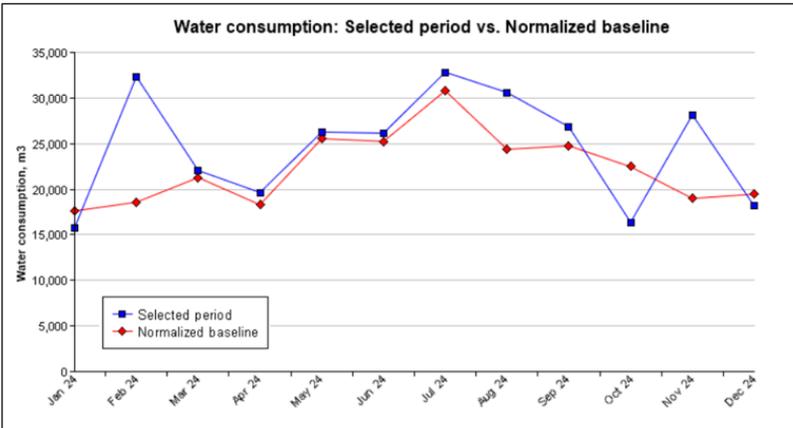
### Electricity

Electricity consumption increased starting in April and continuing for the rest of the year.



### Natural Gas

There were gas increases throughout the year, with the biggest increases during the summer months.



### Water

Water consumption was inconsistent throughout the year with many months much higher than the baseline.