



Hamilton

# INFORMATION REPORT

<b>TO:</b>	Chair and Members Public Works Committee
<b>COMMITTEE DATE:</b>	September 10, 2021
<b>SUBJECT/REPORT NO:</b>	2020 Annual Energy Report (PW21049) (City Wide)
<b>WARD(S) AFFECTED:</b>	City Wide
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<b>SIGNATURE:</b>	

## COUNCIL DIRECTION

As part of the City's Corporate Energy and Sustainability Policy (PW14050(a)) staff are directed to provide an annual energy report highlighting the progress and results of various City energy initiatives.

## INFORMATION

The City of Hamilton's 2020 Annual Energy Report is attached to Report PW21049 as Appendix "A". The report provides a summary of energy usage, performance comparisons and cost savings initiatives for the calendar year 2020. Additionally, as per the Corporate Air Quality & Climate Change Strategic Plan (PED06336(a)), wherein Council recommended reporting on Greenhouse Gas Emission inventories on an annual basis, the data for 2019 calendar year are presented within the 2020 Annual Energy Report.

Energy intensity (energy usage in equivalent kilowatt hours per square foot) is the key performance indicator for corporate buildings, and that was down 35% from the base year of 2005. The report includes updated results for the City's overall utility costs and energy conservation project updates. It is important to note that the results in 2020 were also impacted by changes in operational activity as a result of COVID-19.

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OUR Vision: To be the best place to raise a child and age successfully.

OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

Table 1: Energy Intensity Comparison in Equivalent kilowatt hours per Square Foot (ekWh/sqft)

Energy Intensity	2005	2019	2020	2020 vs 2005	2020 vs 2019
City Total (ekWh/sqft)	45.7	34.3	29.5	-35%	-14%

Table 2: Combined Energy Usage Comparison (Electricity and Natural Gas) in equivalent kilowatt hours (ekWh)

Combined Energy	2005	2019	2020	2020 vs 2005	2020 vs 2019
Total Energy (ekWh)	400,722,256	356,567,857	345,214,509	-14%	-3%
Total Energy Cost (\$)	27,177,303	28,375,511	28,124,739	3%	-1%

The overall results of the corporate emissions inventory for 2019 was a reduction of 43% as compared to the base year of 2005.

The City of Hamilton’s commitment to energy conservation and environmental sustainability plays an important role in supporting the City’s Strategic Plan by contributing to a prosperous and healthy community; providing valued and sustainable services; and demonstrating innovation and leadership. Ongoing success of the energy program requires engagement of all Five Values of Our Culture – Collective Ownership; Steadfast Integrity; Sensational Service; Engaged, Empowered Employees; and Courageous Change.

While Appendix “A” attached to Report PW21049 is exclusively focused on the previous year’s energy metrics and results, it is incumbent on the Energy, Fleet & Facilities Management leadership team to report on a key 2021 initiative and highlight approved by City Council, which is the conversion of 49 light duty vehicles to electric battery vehicles by 2023. Fleet Services’ aim in partnership with the Energy Office is to lead the charge in emission-free mobility. This new era will reshape the way we drive and provide municipal and Public Works services, for the better.

The City’s annual energy report will be posted on the City’s website once the report has been received by Council at [www.hamilton.ca/energy](http://www.hamilton.ca/energy).

## **APPENDICES AND SCHEDULES ATTACHED**

Appendix “A” to Report PW21049 - 2020 Annual Energy Report