




Hamilton

# INFORMATION REPORT

<b>TO:</b>	Chair and Members Public Works Committee
<b>COMMITTEE DATE:</b>	July 8, 2020
<b>SUBJECT/REPORT NO:</b>	2019 Annual Energy Report (PW20024) (City Wide)
<b>WARD(S) AFFECTED:</b>	City Wide
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<b>SUBMITTED BY:</b>	Rom D'Angelo Director, Energy, Fleet and Facilities Management Public Works Department
<b>SIGNATURE:</b>	

## COUNCIL DIRECTION

As part of the City's Corporate Energy Policy (PW14050) 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 2019 Annual Energy Report is attached as Appendix "A" to Report PW20024. The report provides a summary of energy usage, performance comparisons and cost savings initiatives for the calendar year 2019. 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 2018 calendar year are presented within the 2019 Annual Energy Report.

While this report shows the 2019 electricity, natural gas and fuel data it also shows the 2018 GHG data. The GHG data is delayed by 1 year as industry (including generators) is not obligated to report their GHG data until June of the following year, which then leads to further delays in acquiring and posting that data by the Federal Government.

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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.

Once reported, the data is aggregated and processed and only then made available – usually in July or August. As a result of waiting for the 2019 GHG data, a delay of the Annual Energy report until Oct or November would be required.

Energy intensity (energy usage in equivalent kilowatt hours per square foot) is the key performance indicator for corporate buildings, and that was down 25% from the base year of 2005. The report includes updated results for the City’s overall utility costs and energy conservation project updates. The overall results of the corporate emissions inventory for 2018 was a reduction of 42% as compared to the base year of 2005.

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

Energy Intensity	2005	2018	2019	2019 vs 2005	2019 vs 2018.
City Total (ekWh/sqft)	45.69	34.13	34.34	-25%	0.6%

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

Combined Energy	2005	2018	2019	2019 vs 2005	2019 vs 2018.
Total Energy (ekWh)	400,722,256	350,049,621	356,567,857	-11%	1.9%
Total Energy Cost (\$)	27,177,303	28,580,942	28,375,511	4%	-0.7%

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.

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 PW20024 - 2019 Annual Energy Report