

8 facts that REQUIRE your attention

Hamilton is far behind its waste reduction goals: currently at 34% diversion, with a goal of 65% by 2021.²

Due to rising temperatures **black-legged ticks** are moving further north and staying for a longer period of time. This puts Bay Area citizens at an increased risk of developing Lyme disease.⁴

Annual Average Temperature in Hamilton has increased 0.9°C since 1970. **Rainfalls have become more frequent and intense.** This causes flooding and significant erosion to the region's shoreline and escarpment.⁶

More trees please! Hamilton has only 18% tree canopy cover – Environment Canada recommends 30%. Hamilton and Burlington both have urban forestry strategies, but private citizens and businesses can also help. Trees reduce air pollution, sequester greenhouse gas emissions, and reduce the heat island effect.⁵

Invasive species are on the rise, negatively impacting local agriculture, forestry and natural ecosystems.⁷

The average **mortality rate due to pollution is 4.6% higher** in Hamilton than most Canadian cities. Many of the pollutants that harm our health also contribute to climate change and environmental degradation.¹

58% of Hamilton's total carbon emissions are from industry, this is equal to 6,052,478 tonnes of carbon dioxide equivalent (tCO₂e).³

Single-occupancy vehicle trips make up 67% of all trips in Hamilton. Transportation is one of the most significant contributors to greenhouse gas emissions in the region.⁸

8 facts that INSPIRE your action

Mohawk College is a committed leader in climate action – making our campus and community more sustainable. We all have a role to play.

Learn more at mohawkcollege.ca/climatechange.

Air quality has improved over the last two decades. Dangerous air pollutants like benzene are down 89%.¹⁰

Hamilton is a leader in Passive House design. Hamilton will soon be home to the first Passive House tower retrofit in Canada.¹²

In 2019, **Hamilton and Burlington citizens staged over 136 civic actions in one day** as part of 100in1Day – a global celebration of active citizenship.¹¹

Between 2006-2017 total Hamilton **greenhouse gas emissions decreased by 38%.**¹⁴

Hamilton Pollinator Paradise Project includes **300+ pollinator gardens.** Each garden supports pollinators, which play critical roles in food production and biodiversity.¹³

There are more than 100 different bike routes around Hamilton and Burlington and 187km of off road bike routes. There are 130+ bicycling sharing hubs across Hamilton.¹⁵

Both Hamilton and Burlington declared a Climate Emergency in 2019; **Hamilton is striving for carbon neutrality by 2050 and Burlington by 2040!**¹⁶

The Joyce Centre for Partnership & Innovation at Mohawk College is the first building in Canada to receive dual certification for **Zero Carbon Building** for design and performance from the Canada Green Building Council.⁹