



# Extreme Weather

## What Causes Extreme Weather?

Extreme weather (e.g., heatwaves, heavy precipitation and storms, windstorms, drought, tornadoes, etc.) are caused by a combination of natural changes in climate, along with human-induced climate change. Human activities, mainly the burning of fossil fuels, further warms the planet and disrupts natural weather patterns. This warming causes extreme weather events to increase in frequency and intensity.

## By 2070, Brampton is expected to see:

- **More storms, floods, and tornadoes** – under a high-emissions scenario, the frequency and intensity of events like windstorms, ice storms, flash floods, and tornadoes in Brampton is expected to increase.
- **Recent events** – Brampton is already experiencing extreme weather events. Most recently, the July 2024 flash flooding and May 2022 derecho caused road closures and significant damage across the city.
- **Human risk** – extreme weather events endanger lives, properties, and the economy. They can cause physical and mental harm to individuals ranging from injuries and death to anxiety and post-traumatic stress disorder. They can damage homes, roads, and bridges, and stop local businesses from running.

- **Debris barriers** – damaged power lines, hazardous conditions, and debris can block roads and halt clearing work, preventing the critical work of emergency services.
- **Natural Systems** – extreme weather events have a range of impacts on natural systems. For example, an ice storm can cause heavy ice to develop on plants, making them more sensitive to breaking limbs and leading to the loss of native plants in the city. This was seen during the 2013 and 2025 ice storms across Brampton

## What can we do?

To protect ourselves and our communities from the impacts of extreme weather events, advanced preparation and planning is required. Residents and businesses can prepare for extreme weather events by:

- Checking in on your neighbours during extreme weather events
- Ensuring you have a 72hr Emergency Kit
- Having Emergency Preparedness Plans for your home or business
- Creating Climate Hubs and central locations for people to meet during extreme weather events

# Be Prepared for Extreme Weather



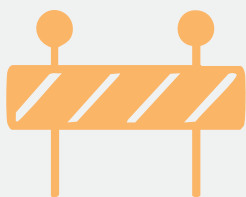
Stay up to date



Buy only what you need  
in the short term



Storm-proof your home



Follow road, travel,  
and fuel restrictions



Prepare an emergency kit