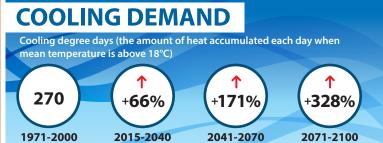
CLIMATE TRENDS FOR CITY OF TORONTO UNDER A VERY HIGH EMISSIONS SCENARIO*

AVERAGE TEMPERATURE: By the end of the century, the City of Toronto is expected to warm by more than 6°C, leading to more variable and extreme weather.

	SPRING		🕸 FALL	💥 WINTER
1971- 2000	6.5°C	19.9°C	9.9°C	-4.1°C
2015- 2040	8.4°C (+1.9°C)	21.8°C (+1.9°C)	11.8°C (+1.9°C)	-1.4°C (+2.7°C)
2041- 2070	10.3°C (+3.8°C)	23.6°C (+3.7°C)	13.6°C (+3.7°C)	0.7°C (+4.8°C)
2071- 2100	12.5°C (+6.0°C)	26.4°C (+6.5°C)	16.2°C (+6.3°C)	3.2°C (+7.3°C)



By the end of the century, the number of very hot days above 30°C could increase by more than two months' time compared to 1971-2000, which will pose significant threats to people's health and well-being.



With warming temperature, cooling demand for buildings may more than quadruple by the end of the century compared to 1971-2000, which may lead to increased energy use.

ANNUAL PRECIPITATION

Measured in millimetres (mm)

Annual precipitation is expected to increase as warmer air can hold more moisture to produce storms and increase evaporation. More intense storms are expected, such as the recent July 2024 storm which saw more than 100 mm of rain fall in some areas in the span of three hours. The share of annual precipitation falling as rain instead of snow is expected to increase with warmer winters.



*Data is presented for the very high emissions scenario (SSP5-8.5). For more information, including data for the medium emissions scenario (SSP2-4.5), please refer to Toronto's Current and Future Climate report (2024). To learn more about what you can do to prepare and what the City is doing to support you, visit **toronto.ca/ClimateReady**.

