



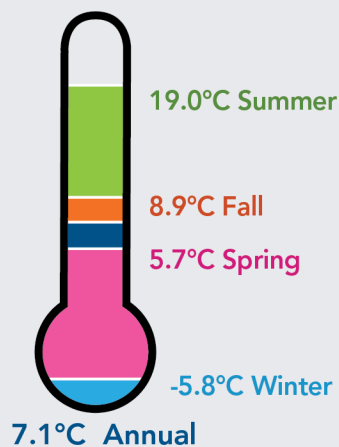
Climate Trends for Durham Region

Under the current pace of greenhouse gas emissions

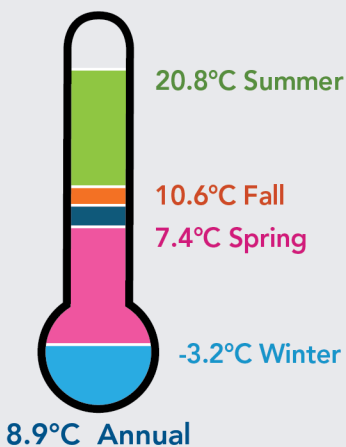
Mean Temperature

Annual mean temperature is projected to increase **6.4°C** by the end of the century.

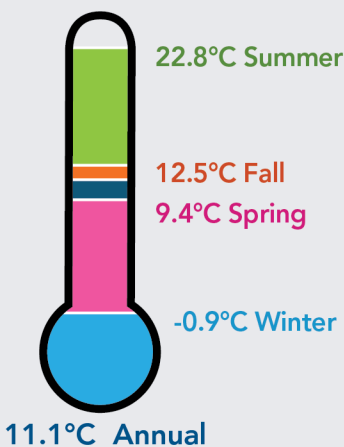
1971-2000



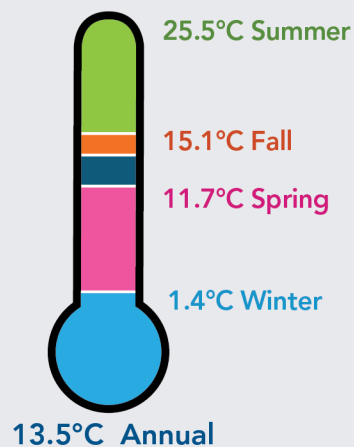
2011-2040



2041-2070



2071-2100



Days Above 30°C

7

1971-2000

18

2011-2040

40

2041-2070

70

2071-2100

A 6-fold increase in the number of extreme heat days is expected by the end of the century, which will pose significant risks to people's health and well-being.

Days Below -15°C

25

1971-2000

14

2011-2040

5

2041-2070

1

2071-2100

As winters become warmer, less snow and ice conditions are expected with more precipitation falling as rain instead of snow, which increases the risk of flooding among other impacts

Tropical Nights (days)

3

1971-2000

9

2011-2040

24

2041-2070

55

2071-2100

Days when the minimum temperature remains above 20 °C are projected to increase by **52 days** by the end of the century.

Annual Precipitation

Measured in millimetres (mm)

907

1971-2000

970

2011-2040

1,000

2041-2070

1,055

2071-2100

Mean precipitation is projected to increase by **147 mm** by the end of the century.

Heat Wave Duration (days)

0

1971-2000

2

2011-2040

10

2041-2070

35

2071-2100

Total heat wave days per year are projected to increase over the century.

Hottest Day (°C)

32.5

1971-2000

34.3

2011-2040

36.3

2041-2070

39.2

2071-2100

The hottest day temperature is projected to increase by **6.7°C** by the end of the century.