



Climate Profile: Town of Collingwood

Collingwood's climate is warming, getting wetter, and experiencing more extreme weather

Temperature: Warming Patterns and Seasonal Shifts



- Average annual temperatures will **increase** by at least 1.9°C by 2050, and by at least 3.0°C by 2080
- Projected warming across all seasons, with the most significant warming occurring during winter months
- Cooling Degree Days (CDD) will increase
- Number of tropical nights (>20°C) will increase
- Number of freeze-thaw cycles will decrease
- Number of ice days (<0°C) will decrease

Precipitation: More Rain and Greater Variability



- Total annual precipitation will **increase** from 906 mm to at least 950 mm by 2050, and to at least 980 mm by 2080
- Precipitation will **increase** across all seasons, with significant increases in spring and winter
- More frequent significant precipitation events

Extreme Weather: Increasing Frequency and Severity



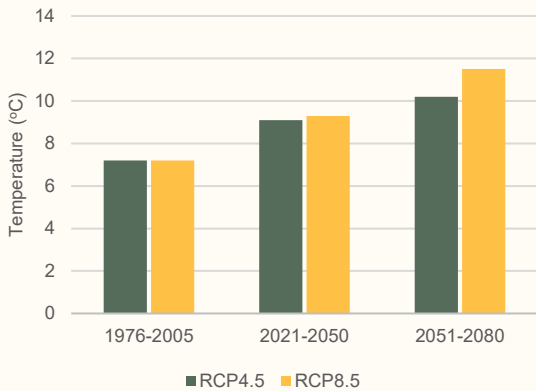
- Length and frequency of heat waves will increase
- Increased intensity of precipitation events
- Increased frequency of storm events, including lightening, hail and windstorms

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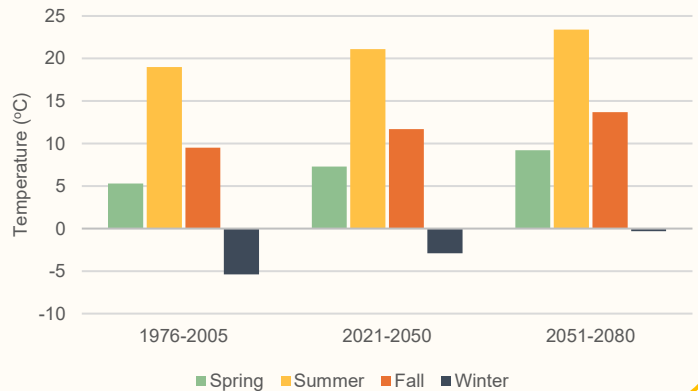


Notes: RCP – Representative Concentration Pathway
RCP4.5 – Low Emissions Scenario; RCP8.5 – Business-As Usual Emissions Scenario

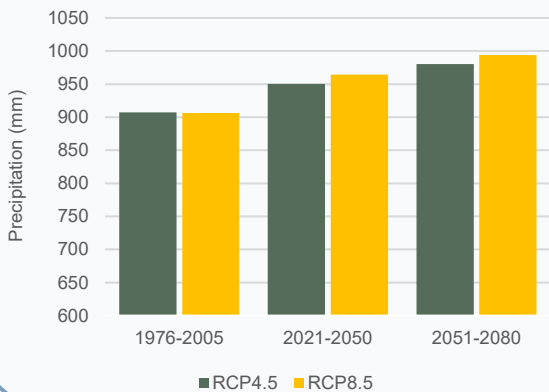
Average Annual Temperature



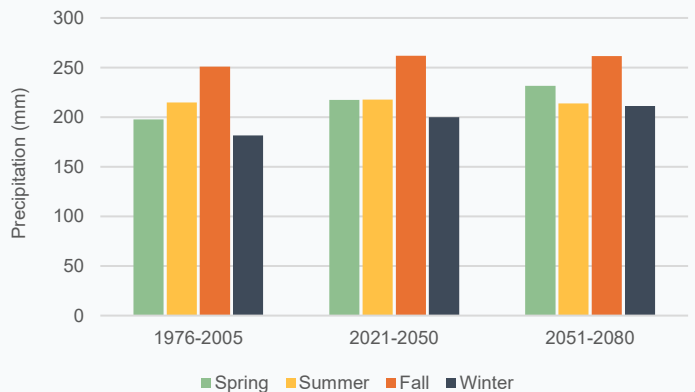
Average Seasonal Temperature - RCP8.5



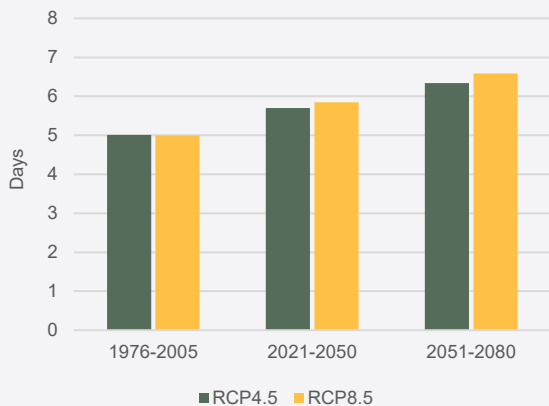
Total Annual Precipitation



Total Seasonal Precipitation - RCP8.5



Wet Days (>20 mm Precipitation)



Temperature Indicators - RCP8.5

