

# Extreme heat

Projections from global climate models can tell us what changes we might expect in the future as a result of climate change. These projections are based on a “business as usual” high emissions scenario, and show median values for expected conditions for the 2050s, relative to the baseline period of 1981-2010.

## By the 2050s, Vancouver can expect

### warmer temperatures

# 2.4°C

Temperatures will rise year round, with a 2.4°C average temperature increase

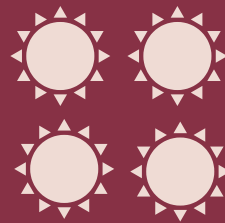


The hottest days will be hotter

**9x** as many days over 30°C

**3x** as many days over 25°C

### more frequent & intense heatwaves



Heatwaves will be **4x** more frequent

On average, heatwaves will last

# 3-6 days

and involve warmer day and nighttime temperatures

## Extreme heat has many impacts



Heat-related illness and mortality



Overheating and discomfort in older buildings



Negative mental health impacts and anxiety



Unsafe conditions in indoor and outdoor workplaces



Terrestrial and marine ecosystem stress

## Vancouver is taking action

We're building a more resilient, equitable, and healthy city through our Climate Change Adaptation Strategy



Expanding the urban forest



Improving access to Cooling Centres



Supporting community programming



Providing resources for cooling at home



Enabling retrofits and upgrades for older buildings

Learn more at [vancouver.ca/climate-adaptation](https://vancouver.ca/climate-adaptation)

During a heat event visit: [vancouver.ca/hot-weather](https://vancouver.ca/hot-weather)