

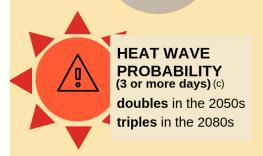
THE CHANGING CLIMATE OF WATERLOO REGION AND WELLINGTONDUFFERIN-GUELPH AREAS

Our local climate is projected to get WARMER, WETTER, & MORE EXTREME

More Extreme Summer Heat

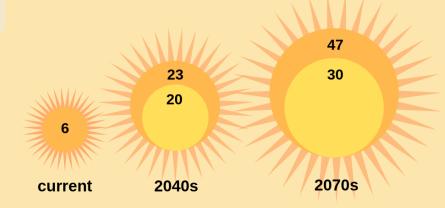


WARM NIGHTS (>20°C at night)
4-6 more tropical nights by the 2040s
10-21 more tropical nights by the 2070s



Average number of hot days of 31°C or more per year (a)

- If current emissions growth trends continue
- If emission pledges to the Paris Agreement are achieved*



More Intense Rain and Storms (a)

Number
of heavy
rainfall days
(>10mm) increase
from 25 today to
27 in the 2040s
and to 28-29 in the
2070s

Total annual precipitation to increase 5% in the 2040s and 8% in the 2070s



Warmer Winters (a)

increase in winter
precipitation in the
2040s and
14-17% increase in
the 2070s

Average winter
(December, January,
February) temperature to
increase from -5°C today
to -2.5°C in the 2040s and
between -1.6°C to 0°C in
the 2070s

