

By the 2050s
St. Catharines will have

WARMER & WETTER WINTER

MAJOR IMPACTS



average temperature
will increase from
historical average*
of -2 °C to
0 °C

average
increase of
34 mm
of winter
precipitation



the coldest day or
minimum temperature
will increase by
7 °C

overall reduced
home heating
needs



*Historic data is from 1976 to 2005

Learn more on the City of St. Catharines
Climate Change plans and actions at

stcatharines.ca/climatechange

By the 2050s
St. Catharines will have

LONGER & WETTER SPRING

MAJOR IMPACTS



Last spring frost
will come 1 week
earlier in the year

average increase of

35 mm

of spring
precipitation
with more heavy
rainfall events



average spring
temperature
historically* was
7°C, and will be

9°C

frost free season
will increase by

20 days



*Historic data is from 1976 to 2005

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St. Catharines

By the 2050s
St. Catharines will have

HOTTER SUMMER

MAJOR IMPACTS



more frequent
heatwaves and
hotter days in the
future

average "hot days" above
30°C historically*
was 13 days and
will increase to
50 days



Double the
amount of
nights above
18°C

Increased usage
and reliance on
air conditioning
and cooling centers



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By the 2050s
St. Catharines will have

SHORTER FALL

MAJOR IMPACTS



first fall frost will
take place almost
2 weeks later in
the year

average
increase of

7 mm

of fall precipitation



average fall
temperature will
increase from
historic* 11°C to

14°C

frost days will
be reduced by

40 days

or by a third



*Historic data is from 1976 to 2005

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