

Climate Vulnerability Fact Sheet

Niagara Adapts Partnership Overview

The impacts of climate change are already being experienced in Niagara and will only intensify in the future. In response, seven municipalities in the region have partnered with Brock University to develop and implement climate adaptation plans. Understanding vulnerability to climate change is a critical component of effective climate adaptation planning.



We asked representatives from each participating municipality what 'adaptation to climate change' means to them. This word cloud summarized their responses.

Vulnerability Assessment

Vulnerability is defined as susceptibility to harm arising from climate change impacts. This factsheet highlights the results from a baseline climate vulnerability survey conducted in the fall 2019.



Surveys were conducted face-to-face and online.

Respondents

1087 people completed the survey



63% female

37% male

Municipal Partners



Exposure to climate change in Welland

72%

of respondents believe climate change is impacting their community

36%



of respondents have experienced community flooding

53%



of respondents have experienced extreme heat

26%



of respondents have experienced extreme cold

54%



of respondents have experienced severe weather

Only **24%** of respondents feel that Welland is prepared to adapt to climate change

Opportunities for adaptation



88% of respondents believe humans have the capacity to address climate change



For **51%** of respondents, adapting to climate change is a top priority for their households



89% of respondents support municipal resources being used for climate change adaptation

Household Flood Preparedness

11%



of respondents have experienced household flooding

Only **26%**



of respondents have a sump pump

Only

26%



of respondents use rain barrels

Only

49%



of respondents have household flood insurance

Note: Percentages reported on this page reflect the 111 people who completed surveys from Welland.