

Niagara Adapts *

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

people completed the survey



63% female

37% male

Municipal Partners















Exposure to climate change in Grimsby

76%

of respondents believe climate change is impacting their community



of respondents have experienced community flooding



of respondents have experienced extreme cold

of respondents have experienced severe weather

60% ₹

of respondents

have experienced

extreme heat

Only 16% of respondents feel that Grimsby is prepared to adapt to climate change

Opportunities for adaptation



86% of respondents believe humans have the capacity to address climate change

Household Flood Preparedness



For **47%** of respondents, adapting to climate change is a top priority for their households

7% of respondents have experienced household

flooding



of respondents have a sump pump

83% of respondents support municipal resources being used for climate change adaptation

Only of respondents use rain barrels

of respondents have household flood insurance

Note: Percentages reported on this page reflect the 82 people who completed surveys from Grimsby.