

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 Pelham

71%

of respondents believe climate change is impacting their community

33%

of respondents have experienced community flooding

of respondents have experienced extreme cold

50%



of respondents have experienced extreme heat



of respondents have experienced severe weather

Only 26% of respondents feel that Pelham 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 48% of respondents, adapting to climate change is a top priority for their households

12% of respondents have experienced household flooding

of respondents

have a sump

pump

Only of respondents

use rain barrels

of respondents

have household flood insurance

82% of respondents support municipal resources being used for climate change adaptation

Note: Percentages reported on this page reflect the 147 people who completed surveys from Pelham.