

A Corporate Approach to Climate Adaptation

Presented by Lily Hamlin | October 23, 2019



Overview

- My Role with Huron County
- Corporate Climate Adaptation Plan
- Climate Change in Huron County
- Corporate Greenhouse Gas (GHG) Inventory
 - Energy Conservation & Climate Mitigation
- Next Steps

My Role with Huron County

- The County received funding from the Federation of Canadian Municipalities (FCM)
- I was hired as the Climate Change & Energy Specialist
- Over the next 1.5 years I will be helping the County develop a climate adaptation plan



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Corporate Climate Adaptation Plan

Adaptation – “Strategies to moderate, cope with, and take advantage of the consequences of climatic events”

- Identify County services & operations that are vulnerable to future climatic changes
- Develop strategies to build capacity & resiliency in these areas
- Vulnerability and risk assessment with internal staff
- Opportunity for public input

Corporate Climate Adaptation Plan

Why Adaptation?

- FCM's Big City Mayors' Caucus has estimated that *“for every dollar invested in adaptation, between \$9 and \$38 can be saved in future damage”*
- Opportunities for strategies that target adaptation & mitigation

Climate Change in Huron County

Temperature

- Annual average temperatures could double by end of century

Precipitation

- Total precipitation projected to increase by 11% by 2100

Extreme Events

- More extreme rainfall events
- Increase in the number of heat waves
- Rise in lake-effect snow and winter ice storms
- Stronger and more frequent wind gust events

Climate Change in Huron County

Climate change impacts are most evident at local scales



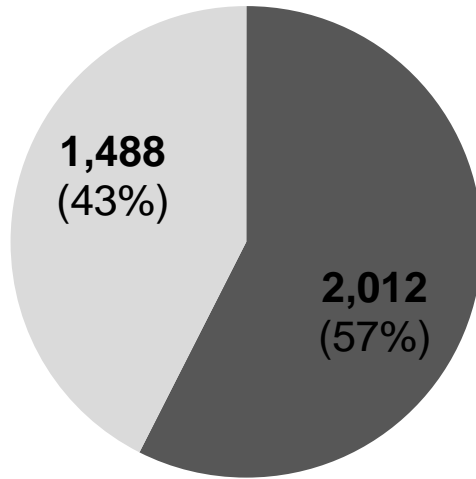
Photos courtesy of Maitland Valley Conservation Authority

Corporate Greenhouse Gas Inventory

- 2017/18 emissions from corporate fleet & facilities
- Partners for Climate Protection (PCP) Program
 - Fulfills requirements of Milestone 1
- GHG mitigation & potential co-benefits
- Advances energy conservation efforts aligned with the 2019 Conservation & Demand Management Plan

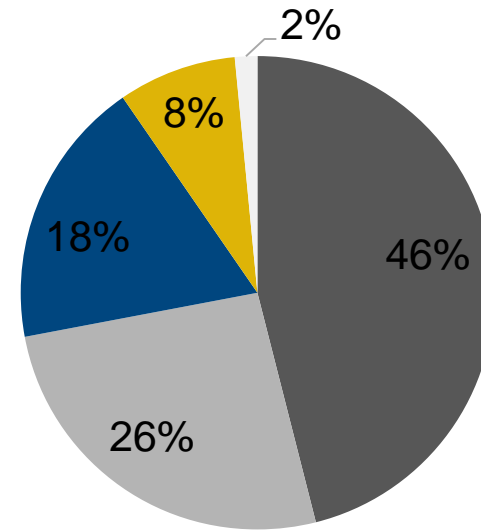
2017 Emissions by Sector & Source

Sector



■ Facilities ■ Fleet

Source



■ Natural Gas ■ Electricity ■ Diesel
■ Gasoline ■ Propane

Next Steps

- Climate & emissions data used for vulnerability and risk assessment
- Adaptation strategies integrated into climate plan
- Work to implement priority actions
- Advancing towards energy reduction goals, with added awareness of GHG emissions

Thank you

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