

# Huron County Corporate Climate Change Adaptation Plan (CCAP)

## Overview & Feedback

Presented by Lily Morrow | February 21<sup>st</sup>, 2020



# Project Funding

- The County received funding from the Federation of Canadian Municipalities (FCM)
- Hired Climate Change & Energy Specialist
- Working to develop & implement a Corporate Climate Change Adaptation Plan (CCAP)



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# Climate Change Adaptation Plan

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

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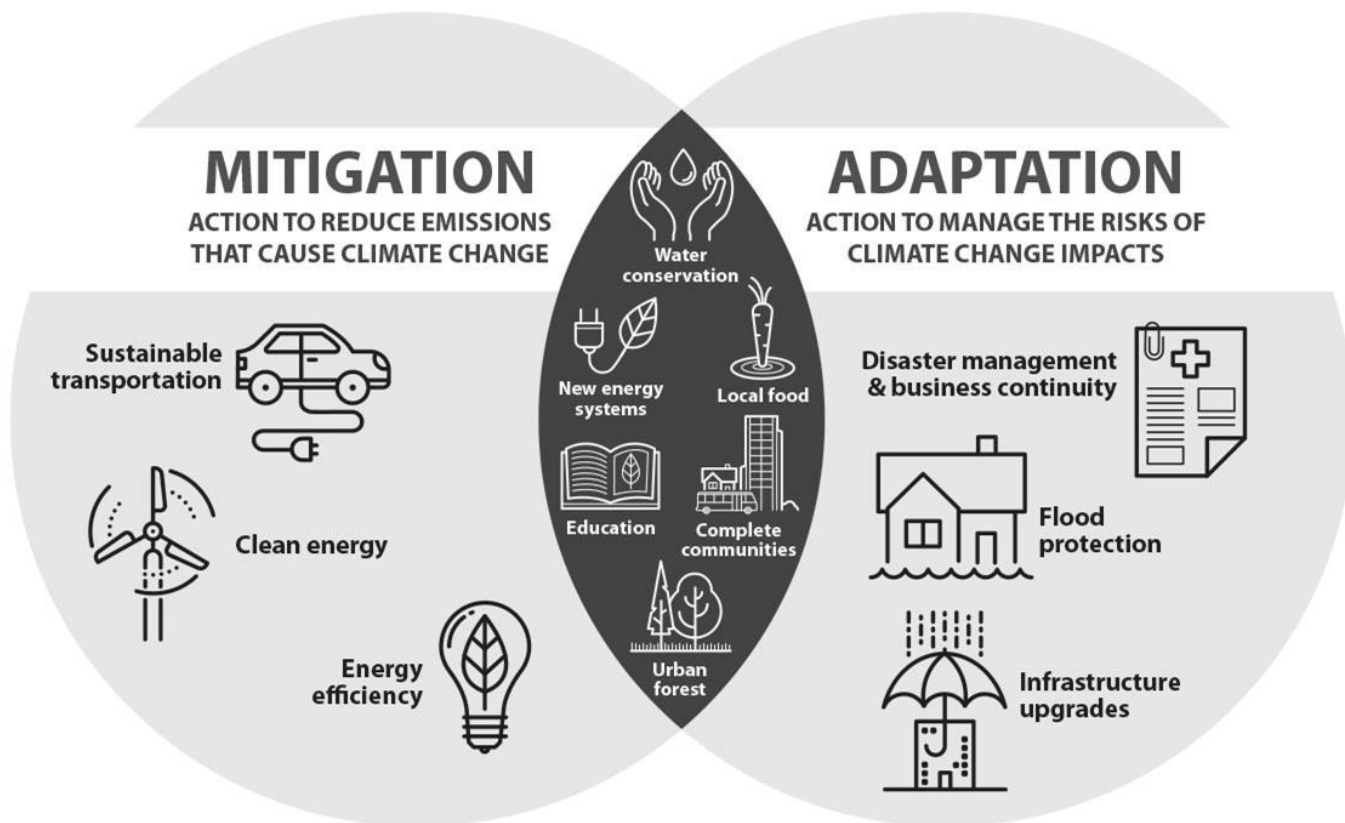
- Identify County services & operations that are vulnerable to future climatic changes
- Develop strategies to build capacity & resiliency in these areas
- Vulnerability and risk assessment with internal staff
- Opportunity for community input

# Climate Change Adaptation Plan

## *Why Adaptation?*

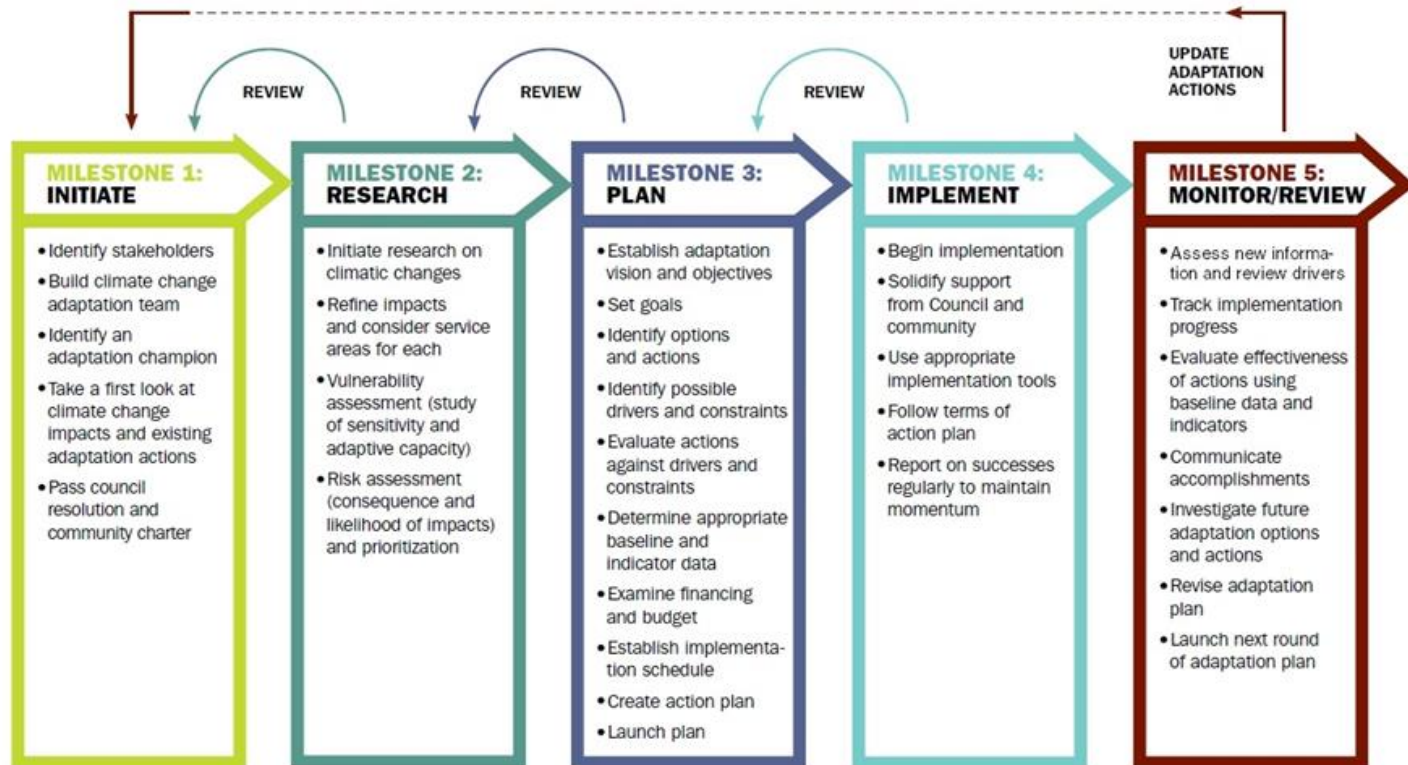
- FCM's Big City Mayors' Caucus has estimated that *“for every dollar invested in adaptation, between \$9 and \$38 can be saved in future damage”*
- Opportunities for strategies that target adaptation & mitigation

# Building Climate Resilience



Source: City of Calgary, 2018

# Project Framework



*ICLEI's Building Adaptive & Resilient Communities (BARC) Framework*

# Climate Change in Huron County

## Temperature

- Annual average temperature could double by end of century

## Precipitation

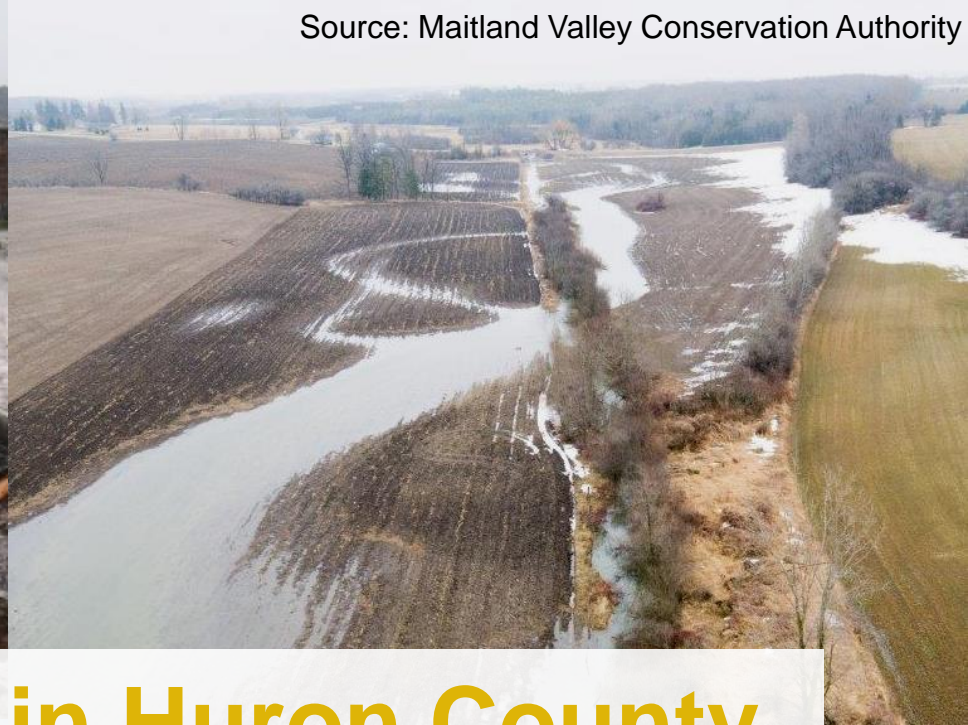
- Total precipitation projected to increase by 11% by 2100

## 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 Graphic: [www.huroncounty.ca/climate-change](http://www.huroncounty.ca/climate-change)





# Climate Change in Huron County





# Project Timeline

## 1) Corporate Consultation

- **December 9, 2019** – Workshop #1: Impacts & Vulnerability Assessment
- **January 29, 2020** – Workshop #2: Risk Assessment & Goal Setting

## 2) Community Engagement

- **February/March 2020** – Public engagement through online platform
- **February 21, 2020** – Climate adaptation meeting with Sustainable Huron

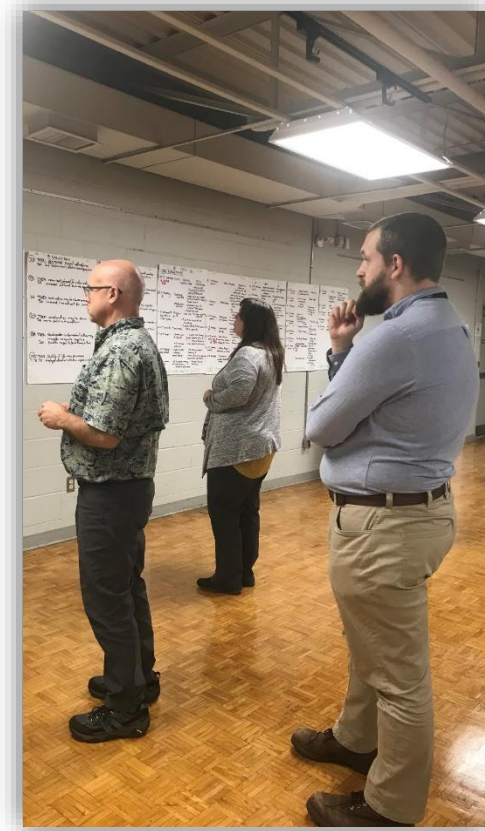
## 3) Plan Development

- **Spring/Summer 2020** – Prioritize risks, devise strategies, & draft CCAP

# Corporate Consultation

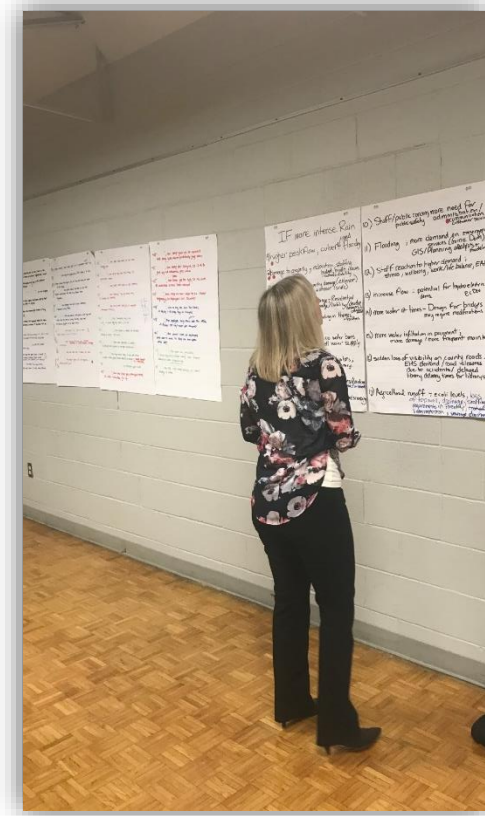
- Completed with the County's Leadership Group
- Workshop #1: Impact Statements & Vulnerability Assessment
  - Determined how the County, as a corporation, will be impacted by climate change
    - Impacts brainstormed with climate trends
    - Departments, services, operations, & assets

Example: If heat waves increase, then more heat-related illnesses, so EMS has more requests for service



# Corporate Consultation

- Determined the vulnerability of the corporation to the identified impacts
  - How the corporation would be affected by the impact if it occurred today
  - Impacts ranked high, medium, or low
- Identified 247 impacts, of which:
  - 126 medium/high vulnerabilities
  - 22 potential opportunities



# Corporate Consultation

- Workshop #2: Risk Assessment & Goal Setting
- **Risk** – the probability that an impact will occur, multiplied by the damage it may cause
  - Helps narrow down priority areas
- Brainstormed goals & actions



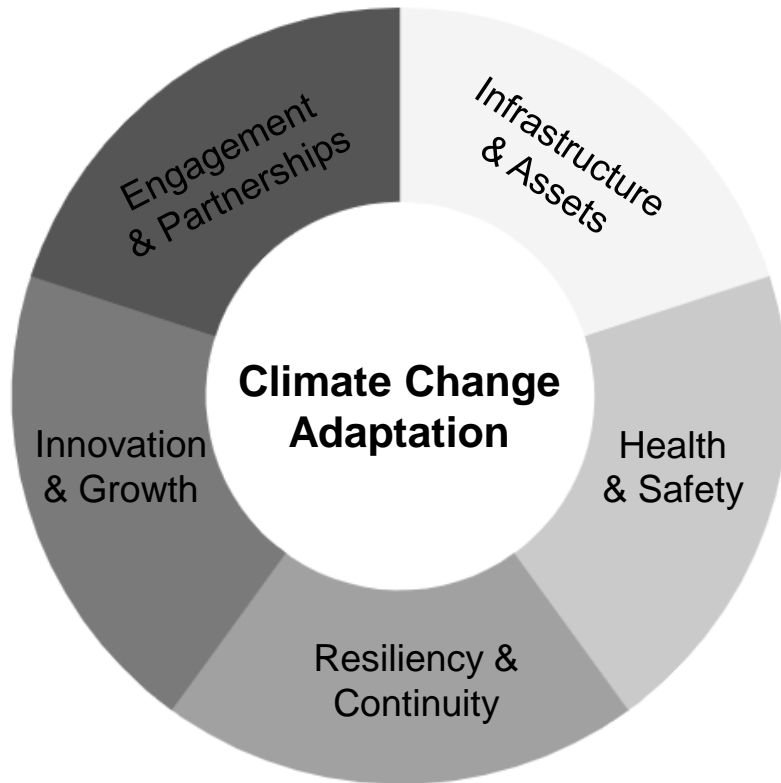


# Priority Areas

Through staff consultation, 13 priorities were identified for the corporation & organized into 5 priority areas:

- Infrastructure & Assets – built/physical infrastructure & natural assets
- Health & Safety – wellbeing of County staff & the community
- Resiliency & Continuity – continuing operations & providing services
- Engagement & Partnerships – awareness & collaborating with others
- Innovation & Growth – opportunities to adapt in innovative ways

# Community Feedback



- 2-4 goals have been identified for each priority area
- Move around tables & discuss each theme
- Your feedback is important
  - **Is there anything missing?**
- Once complete, place dots on most important goals

# Priority Areas & Goals

## 1) Infrastructure & Assets

- Determine the impacts of climate change on the County's built infrastructure (ie. roads, bridges, and culverts)
- Invest in modifications to improve the resiliency of County infrastructure to the impacts of climate change
- Continue to identify & mitigate risks associated with stormwater management & flooding
- Improve the capacity of the County's natural environment to adapt to future changes

# Priority Areas & Goals

## 2) Health & Safety

- Continue to support community-level resiliency & preparedness
- Minimize climate-related risks for County employees, especially those working outdoors
- Establish proactive procedures to respond & recover from climate-related emergencies



# Priority Areas & Goals

## 3) Engagement & Partnerships

- Develop & implement communication strategies to promote leadership & preparedness
- Enhance community partnerships to strengthen our capacity to respond to climate events
- Continue to encourage climate awareness at the corporate level

# Priority Areas & Goals

## 4) Resiliency & Continuity

- Integrate climate change considerations into County policies & procedures
- Minimize disruptions to County operations & services to ensure resiliency & continuity

## 5) Innovation & Growth

- Invest in innovative solutions that promote resiliency & carbon reduction
- Continue to identify & take advantage of climate-related opportunities

# Thank you

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