

Facilitators' Notes for Module 2 – Climate Change Impacts for Ontario Municipalities (1 hour)

Objectives:

1. Review many of the impacts of climate change that are expected in Ontario and how these could affect municipal responsibilities
2. Identify which of these impacts are likely to be of significance in the communities of course participants and how these impacts might be felt.

| Description | Expected Time |
|---|---------------|
| <p>Powerpoint Presentation – Urban Impacts for Ontario Municipalities</p> <p>A quick review of the main points made in the Module 2 Backgrounder of likely climate change impacts as a result of:</p> <ul style="list-style-type: none"> ▪ Warmer temperatures (summer and winter) ▪ More variable rain and reduced water levels ▪ Increased intensity of precipitation ▪ Stronger winds and storms | 20 minutes |
| <p>Small Group Exercise – Likely Effect of Different Aspects of Climate Change</p> <p>In small groups, Participants will discuss and fill out the attached table, identifying impacts of the climate trends listed and answering the questions that follow.</p> | 30 minutes |
| <p>Report Back and Plenary Discussion</p> <p>Each group will report back on the findings from the exercise.</p> <p>Ask Participants to discuss:</p> <ul style="list-style-type: none"> ▪ Whether they were surprised by the number of municipal services could be affected by various aspects of climate change. ▪ If filling in this kind of checklist could be a useful start to assessing impacts and vulnerabilities in a municipality. If so, who should be involved? | 10 minutes |

1. Which climate trends and extreme weather events appear to be affecting your community or region?
What are some of the impacts that you have seen?

| Climate Trend / Extreme Event | Associated Impacts |
|--------------------------------------|---------------------------|
| Increased average temperature | |
| Heat wave | |
| Changes in precipitation patterns | |
| Intense precipitation | |
| Storms and high winds | |
| Other | |

2. Which impacts:

- Occur most frequently?

- Have the most property damage associated with them?

- Are the greatest risk to health and safety?

- Are the most disruptive to municipal services and departments?

- Are the most costly to repair and clean up?

- Surprised you?