

Facilitators' Guide for Module 9 – Components of an Adaptation Program (2 hours)

Objectives:

- Discuss possible components of departmental, municipal or regional climate change adaptation programs
- Review examples of specific programs that have incorporated a number of these components.

| Description | Expected Time |
|---|---------------|
| <p>PowerPoint Presentation</p> <p>Emphasize the Halifax example and the time it takes to get all the pieces together. No program will include all the components discussed in the backgrounder. But all adaptation programs include some of them.</p> <p>Expectation is not that you'll walk out of this program and deliver a whole adaptation program with all these, but will be better equipped to select which ones are most important for your own department and community.</p> | 25 minutes |
| <p>Exercise</p> <p>We will focus here on the components of a program that deliver climate change (page 2-3 of the backgrounder)</p> | 40 minutes |
| <p>Presentation – Karina Richters</p> <p>Presentation by someone who has familiarity about one municipal adaptation program, what it looks like, and how it came about.</p> | 30 minutes |
| <p>Questions and Answers and Discussion</p> | 20 minutes |

Scenario A – Flooding

Your community has experienced two intense 1 in 100 year flood events in a one month period with precipitation from both events exceeding 150mm in 3 hours. As a result, there has been flash flooding of creeks and ravines, overflowing banks and damage to public and private property. Record basement flooding levels have been recorded.

With this scenario in mind, and referring to pages 2 and 3 of Module 9 – please complete the table below, highlighting how you would address each of the four components.

| |
|------------------------------|
| Making a Commitment |
| Capacity Building |
| Delivering Adaptation |
| Monitoring |

Scenario B – Extreme Heat

Your community has experienced 25 heat alert days in a 45 day period resulting in excess mortality among seniors and blackouts due to peak energy consumption. Hospitals have been strained because of admissions due to fainting, heat cramps and heat stroke.

With this scenario in mind, and referring to pages 2 and 3 of Module 9 – please complete the table below, highlighting how you would address each of the four components.

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Scenario C – Water Shortage

Due to a particularly dry, hot, summer, your community is enduring a prolonged drought. Lake and reservoir levels are at record lows, and groundwater supplies are considerably diminished. Agricultural production and hydro-electric generation are suffering, recreational boating and fishing has become impossible on several lakes and waterways due to lower levels creating accessibility issues.

With this scenario in mind, and referring to pages 2 and 3 of Module 9 – please complete the table below, highlighting how you would address each of the four components.

| |
|------------------------------|
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Scenario D – Storm and Tornado Damage

Your community has experienced violent thunder-storms over a 12 hour period. Several F1 tornadoes have been reported, one of which resulted in a fatality. Large hailstones have caused serious damage to over 500 vehicles. Winds in excess of 120km/h have resulted in power outages over large areas and have downed several hundred large trees in parks and ravines

With this scenario in mind, and referring to pages 2 and 3 of Module 9 – please complete the table below, highlighting how you would address each of the four components.

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