



UNDERLYING QUESTION

How can we recover after the event?

Various measures were presented to prepare for and respond to an extreme event that disrupts a municipality's water assets. However, resilience also depends on the implementation of resources and solutions to recover the functions lost, suspended or affected by the event under study. The faster a municipality is able to return its assets to normal operations, the more resilient it is. This involves not only implementing temporary measures, but also introducing practices that enable feedback on how the municipality reacted during the event in order to learn from it and adjust to better prepare for the next event.



POTENTIAL SOLUTIONS

A

Temporary measures planned to restore service

A set of measures to temporarily restore water asset functions that have been lost, suspended or altered by the hazard. These are short- and medium-term measures to be taken before the system can be restored to normal operation.

B

Feedback on events for continuous improvement

With a view to continuous improvement and resilience to hazards that disrupt the operation of a municipality's water assets, it is advisable to implement internal practices for reviewing the actions and resources put in place in response to a weather event. This will help identify the municipality's strengths and weaknesses while targeting areas for improvement for future events.

C

Adjusting infrastructure design parameters

Feedback helps identify system deficiencies that can be corrected by upgrading design standards and parameters.



REFERENCES



Quinte Conservation | Drought Plan (2021)

A

B

C

After experiencing several drought events, the Quinte region in Ontario put in place a drought management plan that helps municipalities identify the actions to be taken during a prolonged extreme heat event. Some of these actions concern preparedness and others concern the response to the event in the form of an emergency response plan. The latter is described in section 4.3, *Drought action plan*, which identifies the actors and the actions to be carried out. Section 4.2, *Drought warning plan*, covers the measures put in place to warn the population.



FCM | Operations and Maintenance for Climate Resilience: Ideas for Action – Water (2022)

A

B

C

Presentation of various measures that can be implemented to improve the resilience of sanitary sewers and facilitate their recovery following a service interruption due to a weather event.

