

2. Wastewater Infrastructure

Objectives

- Reduces the negative impacts of wastewater effluent or stormwater effluent on human health and the environment;
- Improves the safety and management of wastewater sludge; and
- Improves the management and efficiency of wastewater infrastructure or stormwater infrastructure.

Sub-Categories of Investment

- Wastewater collection systems and/or wastewater treatment facilities or systems (which may include grey water reuse).
- Separation of combined sewers and/or combined sewer overflow control, including real-time control and system optimization.
- Separate storm water collection systems and/or storm water treatment facilities or systems.
- Wastewater sludge treatment and management systems.

Please include information on the following in your business case:

- If applicable, please state the amount by which the project will:
 - reduce the volume and/or improve the level of treatment of wastewater effluent; and
 - increase number of households, industries, commercial establishments, and institutions with untreated wastewater connected to sanitary sewer systems.
- If applicable, please outline how the project will:
 - implement full life cycle cost accounting and full cost recovery (where possible) for wastewater infrastructure assets;
 - improve the reliability or performance of the wastewater collection and/or treatment system;
 - reduce volume and incidents of discharge of untreated wastewater effluent as a result of sanitary sewer and combined sewer overflow events;
 - result in municipal wastewater effluent that meets applicable provincial/federal regulations and licensing requirements;
 - include the use of chlorine disinfection processes, must also incorporate chlorine removal processes;
 - meet applicable provincial/federal regulations and licensing requirements;
 - pursue cost recovery and address capital and operating and maintenance shortfalls;
 - improve community health and safety;
 - improve quality of stormwater effluent; and
 - improve wastewater sludge treatment and management.
- Please include the following information:

- outline the alternatives considered and why this is the best alternative;
- list the capacity issues and solutions;
- financial support of other partners for this project;
- your readiness to proceed with construction of the project;
- your Long Term Utilities Sustainability Plan;
- proof of purchased or option to purchase of the land and that public/regional consultations have been held; and
- that conservation measures have been considered (for example, improvements through energy usage & efficiencies, reduction in green house gases, closed loop resource management (reuse, power generation derived from treatment process, waste reuse & recycling) or others).

Additional Information:

- Projects that meet standards equivalent to a secondary or tertiary level wastewater treatment facilities.
- Demonstration of appropriate water demand management measures in place in the municipality, which may include education, opportunities for grey water systems, metering and full cost recovery.