

# **Public Works & Environmental Services Department**

## **Water Services**

### **2018 Budget Briefing Note**

#### **Description**

The Water Services Branch is responsible for the management of operations, maintenance and repairs of the City's central and five (5) communal well-based drinking water systems as well as the City's stormwater collection, wastewater collection and wastewater treatment systems. This includes:

- Comprehensive systems operation and maintenance within regulatory framework
- Environmentally sound management of City-owned facilities and collection systems

#### **Programs/Services Offered**

- Operation and maintenance of the City's central distribution system including the Britannia and Lemieux Island water purification plants, 17 drinking water pump stations and the 5 communal well systems: Carp Drinking Water System, Munster Hamlet Drinking Water System, Kings Park Drinking Water System, Vars Drinking Water System, and Shadow Ridge Drinking Water System
- Production and distribution of drinking water including electrical, mechanical, and instrumentation maintenance and repair
- Leak detection programs
- First Response - 24 hour per day response for drinking water and wastewater
- Operation, maintenance (including disinfection) and repair of over 3000 km of watermains and over 47,000 valves
- Provision of fire protection through inspection, maintenance and repair of over 22,000 public fire hydrants

- Maintain the City's accreditation as an Operating Authority for the Drinking Water Quality Management System
- Operational support for capital infrastructure renewal and development projects
- Operation and maintenance (including cleaning, inspection, and repair) of the wastewater collection system, comprised of over 5800 km of sanitary, combined, and storm pipes, 107,000 maintenance holes, 111,000 catch basins, 1600 stormwater outlets
- Operation and maintenance of 84 sanitary sewage and storm water pumping stations, combined sewage regulators/storage facilities, odour control facilities and the R.O. Pickard Environmental Centre
- Sewer use bylaw compliance, monitoring, and enforcement
- SCADA system operation, communication, and maintenance
- Quality assurance, compliance management and reporting