



**The Corporation of the Municipality of Wawa  
Staff Monthly Report**

**Office of Infrastructure Services**

<b>Prepared For: Corporate Planning Committee Meeting</b>	<b>Report No.: CS 2018-11</b>
<b>Agenda Date: June 12, 2018</b>	<b>File No.: 9.40.4</b>

### **Preamble**

The following report is based on items concerning the Municipality of Wawa that have been directed by the Infrastructure Services Department. This information is for the month of May 2018.

### **Spring Operations**

During the month of May 2018, Infrastructure Services Department focused on street and sidewalk maintenance such as sweeping debris (sand from winter) off of the streets and sidewalks as well as patching potholes and reviewing road conditions.

### **Water & Sewer**

#### **THM Study**

In June 2018 water samples will be collected and transported to a laboratory for further coagulant testing. Once tests are complete, Kresin Engineering will finalize a report on the study which will be brought to Council for further discussion and review of the recommendations to reduce THMs in drinking water.

#### **Operations**

Routine flushing of certain sewers was performed including monthly maintenance at the Sewage Treatment Plant and Water Treatment Plant.

A water main break by the Airport off of Highway 101 was repaired. This break repair resulted in temporary loss of water to Pinewood Drive; the Michipicoten River Village did not lose any water services due to the Water Tower.

**Respectfully Submitted By:**

**Prepared By:**

**Cory Stainthorpe  
Director of Infrastructure Services**

**Airport**

The Airport had 59 aircrafts and 12 medic vacs land in the month of May 2018.

Routine maintenance on the runway, grounds and facility were conducted as scheduled, runway lights were repaired, Fuel tanks were serviced and top soil/grass seed was placed in several locations.

**Buildings**

Routine spring maintenance for HVAC system has been scheduled for June 2018.

Town Hall HVAC was serviced and adjusted as the building was noted to be extremely humid during a few days in May. Adjustments made are temporary and will receive full service in June along with the other facilities.

**Landfill**

Staff has been and continues to review recycling, garbage by-law, landfill operations, garbage collection and will prepare a report to Council regarding its findings and alternative options moving forward with collection, recycling and updates to by-laws where required.

ECA extension application has been approved by the Ministry of the Environment and Climate Change and extended to May 30, 2019.

The amendment to ECA is to allow the Municipality of Wawa to continue depositing waste to protect the health and safety of the public and the environment while we work on completing the environmental screening process to acquire required disposal capacity for the residents in the service area.

**Food and Organic Waste**

In 2015, Ontarians generated about 3.7 million tonnes of food and organic waste, which includes food that could have been eaten or repurposed, as well as unavoidable waste, such as food scraps and vegetable peelings. About 60% of this was sent to landfill.

The amount of food wasted each year is particularly staggering. In Canada, about \$31 billion worth of food is wasted annually. This equates to about \$868 worth of food wasted per person per year.

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Consumers are responsible for the largest share of food waste, at approximately 47% of total food waste. The remaining food waste is generated along the supply chain, where food is grown, processed, transported and sold.

There are serious environmental consequences to sending food and organic waste to disposal.

It is estimated that about 2.3 million tonnes of food and organic waste was sent to disposal in 2015. When these valuable materials end up in a landfill, they contribute to climate change. As food and organic waste breaks down in an oxygen-deprived environment, it creates methane, a potent greenhouse gas. In 2015, greenhouse gas emissions from the waste sector accounted for 8.6 megatonnes of carbon dioxide, or approximately 5% of Ontario's total greenhouse gas emissions from all sources.

The Food and Organic Waste Framework ("Framework"), including Part A (Food and Organic Waste Action Plan) and Part B (Food and Organic Waste Policy Statement) views *food and organic waste* as a resource rather than a waste. The Framework takes a systems approach to *food and organic waste* generation, management and recovery, recognizing that all stages of supply and production have a role to play in moving towards a *circular economy*.

In developing the Framework, the Province considered a number of key guiding principles, including:

- Encouraging a change in behaviour to help prevent and reduce *food waste* in Ontario.
- Enhancing existing partnerships with stakeholders and building new relationships.
- Building on progress made in Ontario and learning from other leading jurisdictions.
- Collaborating across all levels of government to avoid duplication.
- Supporting an outcome-based approach.
- Using evidence to guide decision-making.
- Using regulatory and non-regulatory tools.
- Creating conditions that support sustainable end-markets.
- Increasing the use of innovative technologies.
- Enabling efficient and effective surplus food redistribution and *food waste* recovery systems.
- Recognizing the administrative impacts and costs to collect and recover organic resources.
- Increasing accountability.

The Framework supports the vision set out in the Strategy for a Waste-Free Ontario: Building the Circular Economy, where waste is seen as a resource that can be recovered, reused and reintegrated to achieve a *circular economy*. It also supports the goals of a zero waste Ontario and zero greenhouse gas emissions from the waste sector.

The Framework strives towards the achievement of the following **objectives**:

1. **Reduce *food and organic waste***: Preventing food from becoming waste is a critical first step and has the greatest positive impact on the environment, the economy and society. Rescuing surplus food when it occurs further reduces *food waste* and ensures that edible food does not end up as waste.
2. **Recover resources from *food and organic waste***: Increasing *resource recovery*, in particular, from multi-unit residential buildings and the Industrial, Commercial & Institutional sector will help the province reach its goals of zero waste and zero greenhouse gas emissions from the waste sector.
3. **Support *resource recovery infrastructure***: Turning *food and organic waste* into valuable end-products recognizes the economic benefits of a *circular economy*. It is important that Ontario has sufficient infrastructure capacity and innovative technologies to process *food and organic waste* into valuable resources.
4. **Promote *beneficial uses of recovered organic resources***: Supporting end-products and sustainable markets for recovered organic resources is critical. This includes supporting *beneficial uses* which promote soil health, crop growth and enhance carbon storage. Promoting end-products like renewable natural gas and electricity can help replace carbon-intensive fossil fuels.

### Timelines for Action Plan

The following table outlines implementation timelines for the Action Plan:

Action Number	Action Title	Currently Underway	Short-term (2018-2020)	Long-term (2021-beyond)
1.	Province to work with partners to develop promotion and education tools to support <i>food waste</i> prevention and reduction		✓	
2.	Province to enhance and incorporate <i>waste reduction</i> and <i>resource recovery</i> activities within schools		✓	
3.	Province to work with the Government of Canada on preventing <i>food waste</i>	✓		
4.	Province to work with partners to support innovative approaches and tools to rescue surplus food	✓	✓	

Action Number	Action Title	Currently Underway	Short-term (2018-2020)	Long-term (2021-beyond)
5.	Province to develop food safety guidelines to support the safe donation of surplus food		✓	
6.	Province to support research aimed at reducing and recovering <i>food and organic waste</i>	✓	✓	
7.	Province to develop data collection mechanisms for measuring progress in <i>waste reduction</i> and <i>resource recovery of food and organic waste</i>		✓	
8.	Province to amend the 3Rs Regulations to include <i>food and organic waste</i> and increase <i>resource recovery</i> across the IC&I sector		✓	✓
9.	Province to ban <i>food and organic waste</i> from ending up in disposal sites		✓ (consulting 2018-2019)	✓ (phased-in beginning 2022)
10.	Province to support <i>resource recovery of food and organic waste</i> in multi-unit residential buildings			✓
11.	Province to develop best management practices to support effective use of public waste receptacles		✓	
12.	Province to review existing approval processes and requirements for <i>resource recovery systems</i> using a modern regulator approach		✓	
13.	Province to require standardized training for <i>owners and operators of resource recovery systems</i> that undertake composting and <i>anaerobic digestion</i>		✓	
14.	Province to review its <i>D-Series Land Use Compatibility Guidelines</i> to support the development of <i>resource recovery systems</i>		✓	
15.	Province to support healthy soils with strong standards and clear requirements for the use of soil amendments, while protecting the environment and human health	✓		

Action Number	Action Title	Currently Underway	Short-term (2018-2020)	Long-term (2021-beyond)
A.	Province to review regulatory approaches related to soil amendments		✓	
B.	Province to promote the on and off-farm end-use of soil amendments made from recovered organic resources		✓	✓
C.	Province to promote the use of soil amendments as part of the Agricultural Soil Health and Conservation Strategy		✓	✓
16.	Province to support development of renewable natural gas including consideration for linkages to <i>food and organic waste</i>		✓	✓
17.	Province to support green procurement practices, including the use of end-products, such as <i>compost</i> and <i>digestate</i>	✓	✓	

As IS staff works on landfill expansion, recycling methods, garbage by-law & collection reviews, this will also be reviewed moving forward, bringing awareness and composting to assist with decreasing the use of waste disposal at the landfill site where there are better methods to dispose of materials.

Staff reports with information will be brought to Council as these programs progress.

### Cemetery

Grounds maintenance has been ongoing since spring opening. This includes Weed Man annual fertilization and IS crew working on watering grounds, levelling monuments and preparing for burials.

### Capital

IS staff continues to work on preparing RFP's, Tenders and gathering quotes for 2018 Capital projects that have been approved by Council on March 13, 2018.

As progress is made on each project it will be included in reports to Council.

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**Landfill Expansion**

Kresin Engineering continues to work on environmental assessment and impacts regarding landfill expansion. Discussion is occurring with the Ministry on a location for expansion and finalizing the CAZ for land closer to the River and increase the amount of monitoring wells on site.

The Contractor is scheduled to attend site early June and install 2 new monitoring wells south of the existing site.

In the fall of 2018, an open house session will be advertised and held in Wawa to discuss where the expansion process is at and future direction.

**New Street Lights**

A RFQ has been submitted to multiple contractors and currently awaiting responses. This project is estimated to take place in late July 2018 and new street lights will be installed on Tamarack Avenue, Regina Crescent and a few locations in Industrial Park will be reviewed.

**Garage Hoist**

The new garage hoist arrived and is expected to be installed by July 2018. This hoist will replace the current garage hoist that is in poor condition and will reduce maintenance costs.

**Library Floor**

Installation of the Library flooring is being scheduled for July 2018. This will result in the Library being closed for 2-3 days while the new floor is installed. Notices will be sent in advance if the Library has to be closed for instalment.

**Administration Fleet Upgrade**

An RFP was completed and reviewed by staff; an additional report has been created for the June 5<sup>th</sup> Regular Council meeting and once discussed, IS staff will complete purchases on approved fleet.

**Sewage Lagoon Building Upgrades**

Two new Alum pumps have been ordered for the Sewage Lagoon building. Repairs to the roof will be completed in the summer of 2018. The pumps will be installed when Metcon completes their annual calibration of our equipment in Fall 2018, which will save on travel costs.

**Lower Government Road**

In 2018 the lower section of Government Road will be re-graded and compacted, then a product will be applied to harden the surface and assist with water runoff.

**Pinewood Drive**

Currently the 2018 work for Pinewood Drive is being reviewed and additional information will be provided after.

**MRV Water Tower Exterior Lining**

Landmark is scheduled to complete the Exterior lining of the Water Tower in August 2018.

**Magpie Fuel System**

IS Staff completed an RFP that is being advertised and closes June 22, 2018. Once proposals are received and reviewed by Staff, a memo will be issued to Council regarding process and selection.

**Toronto Avenue Sewer Reconstruct**

The Toronto Avenue project funding has been awarded from OCIF; this project will be a complete reconstruction of Toronto Avenue from Klondike Street to Magpie Road and will include water mains, sewer mains, storm drains, curbs, gutters, sidewalks, boulevards and road resurfacing. This project is in the design/tender completion phase with Kresin Engineering. It is expected to be tendered in June 6, 2018 with the contract awarded June 29, 2018, construction occurring in July and anticipated completion date fall 2018, weather depending.

There was a 3 week delay in project due to weather conditions and Kresin being unable to survey the area until mid-May 2018.

Notices will be provided to emergency services and members of the community prior to construction commencing; door to door notices will be provided to residences on Toronto Avenue or affected by construction due to route, noise, temporarily water interruptions, etc.

**Attachments**

There are no attachments with this report.