

Federal Gas Tax 2019 Expenditures

<i>Project Title</i>	<i>Project Details</i>	<i>2019 Gas Tax Funds</i>
Capacity Building		
Asset Level of Service Assessment	The scope of this project is to identify the existing levels of service for all infrastructure assets and develop levels of service for all infrastructure assets. The existing and proposed levels of service will be included in the Town's asset management plan as prescribed by the asset management regulation (O. Reg. 588/17).	\$ 12,683.32
Facility Energy Audits (15 Buildings)	The scope of work consists of conducting energy audits of 15 Town facilities to identify the baseline energy performance of the facilities with regard to fuel consumption (gas, electricity) and water. The audits will identify potential energy retrofit projects that can be implemented to reduce energy consumption. These projects are expected to result in a reduction of fossil fuel consumption as well as operating costs for utilities.	\$ 54,258.38
Integrated Transportation Master Plan Update	The project is to update the Transportation Master Plan and the Pedestrian and Bicycle Master Plan. Known as the Integrated Transportation Master Plan (ITMP), the goal of the study is to establish a holistic and integrated approach to transportation planning, design and implementation throughout the Town.	\$ 3,181.27
Subtotal Capacity Building		\$ 70,122.97
Community Energy Systems		
Conversion to LED Streetlights (2018)	This project involves the conversion of 2,483 High Pressure Sodium (HPS) streetlights to LED technology. The expected energy savings from the 2019 conversion is 1,073,700 kWh.	\$ 458,345.98
Southwood Park Neighbourhood Streetlight Improvements	The project scope involves the removal of the existing high pressure sodium streetlight system including wire, poles and lights. The new streetlight system includes new buried conduit, wires, concrete poles and LED lights.	\$ 197,083.49
ACC - Replacement of Air Handling Units	<p>There are seven air handling units located in the mechanical penthouse were installed during the major expansion in 1990. The units provide heating, ventilation and air conditioning to various areas of the facility.</p> <p>The detailed design is underway and the project will include replacement of the seven units with new high efficiency units which will result in improved heating, cooling and ventilation efficiency.</p>	\$ 17,807.99
Walkway Lighting Infrastructure Improvements (2017-2018)	This project involves conversion of pathway lighting infrastructure to LED technologies (including pole replacements, new wiring, and new luminaires). The goal is to achieve improved lighting quality and consistency on Town pathways as well as energy savings.	\$ 93,139.58
Variable Frequency Drive Upgrades at Ajax Community Center and McLean Community Center	Variable frequency drives (VFDs) were installed to replace the existing variable inlet vanes (VIVs) on the supply and return fans for four air handling units. The installation of the VFDs allows the supply and return fans for each unit to operate based on the demand of the building, rather than continuously as they currently operate with the VIVs. New motors were installed along with the VFD's.	\$ 11,003.31
LED Lighting Retrofits in Fire Station #2 and St. Francis Centre	<p>Fire Station #2 - Full facility interior and exterior light fixture replacement with LED fixtures.</p> <p>St Francis Centre - Replacement of 12 existing stage lighting scroller fixtures with LED lighting fixtures.</p>	\$ 1,628.16
Subtotal Community Energy Systems		\$ 779,008.51

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Culture		
Quaker Meeting House Renovations	The Quaker Meeting House was originally erected in 1867 and is a designated historical property under Section 29 (Part IV) of the Ontario Heritage Act. Renovations have been completed to the building including accessible washroom upgrades and rehabilitation to the foundation, structure, electrical, HVAC and plumbing systems, masonry and roof repairs as well as interior finishes upgrades including flooring & painting, new kitchen and hazardous material remediation.	\$ 1,116,008.44
Subtotal Culture		\$ 1,116,008.44
Recreation		
Audley Recreation Centre Phase 2	44,800 sq ft expansion to an existing recreation facility that provides an active living studio, change rooms, multi-functional space for programming for all ages, community rooms, and a branch library.	\$ 2,297,731.60
Subtotal Recreation		\$ 2,297,731.60
Local Roads and Bridges		
Dreyer Drive Reconstruction	The scope of work includes reconstruction of approximately 1.0 km of Dreyer Drive (from Harwood Ave to Clements Rd), including curb and sidewalk replacements.	\$ 4,680.96
Road Resurfacing and Reconstruction 2018	Road rehabilitation of Rotherglen Rd (0.88 lane km), Hawkins Crescent (0.9 lane km), Garnett Dr (0.6 lane km), and O'Dell Court (0.32 lane km) totaling 2.7 lane km. The project includes geotechnical assessments, asphalt resurfacing, and rehabilitation of base asphalt, curbs and sidewalks. Also included is the reconstruction of Mills Road from Station Street to Hunt Street (1 lane km).	\$ 464,942.93
Rotary Park Boardwalk	Design and construction of a new 130m boardwalk located at the eastern terminus of the Duffin's Creek pedestrian bridge, connecting the pedestrian bridge with the Rotary Park and waterfront trail.	\$ 58,681.78
Lakeview Boulevard Realignment (Paradise Park)	Realignment of 0.8 lane km of the Lakeview Boulevard as recommended by the Class Environmental Assessment (EA). The scope of work involves realigning Lakeview Boulevard along the original road alignment to the north, removing and restoring the existing road alignment, and installing new LED street lighting, a new cycling trail, new crosswalks, and traffic calming measures.	\$ 50,856.47
Construction of New Sidewalks (2017 & 2018)	The scope of work involves the design and construction of 520 m of new concrete sidewalks to maintain a continuous path system within the Town and increase accessible and pedestrian friendly access.	\$ 26,530.29
Bayly/Westney LED Streetlights and Trail Replacement	Relocation and replacement of street lighting with LED lighting and replacement of the existing sidewalk with a multi-use trail at the southwest corner of Bayly Street and Westney Road.	\$ 64,167.18
Subtotal Local Roads and Bridges		\$ 669,859.61
Sports		
Harwood South Soccer Pitch Improvements	Installation of new sports field lighting on an existing senior-size soccer field on Harwood Avenue South.	\$ 4,640.26
Subtotal Sports		\$ 4,640.26

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Wastewater		
Installation of Waterfront Rain Gardens	To improve the quality of the stormwater discharging to Lake Ontario, a reduction in stormwater runoff and improvements to water quality through filtration/infiltration systems will be implemented through installation of waterfront rain gardens.	\$ 54,657.34
Stormwater Retrofit - Rain Gardens & Waterfront Improvements	Design and construction of Roadside Curb Gardens on Lake Driveway from Harwood Ave to Finley Ave based on the preferred solutions for the Master Plan Environmental Assessment (EA) for Stormwater Quality Retrofit Study for southwest quadrant of the Town. Project also includes restoration of wetlands near the waterfront (Paradise Park) which will reduce stormwater runoff and improve water quality through water filtration/ infiltration systems.	\$ 424,135.43
Subtotal Wastewater		\$ 478,792.77
Total		\$ 5,416,164.16