

Federal Gas Tax 2018 Expenditures

2018 Gas Tax
Funds

<i>Project Title</i>	<i>Project Details</i>	
Capacity Building		
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.	\$ 38,735.63
Subtotal Capacity Building		\$ 38,735.63
Community Energy Systems		
Conversion to LED Streetlights (2018)	This project involves the conversion of 1,321 HPS streetlights to LED technology. The expected energy savings from the 2018 conversion is 927,904 kWh.	\$ 247,322.46
Walkway Lighting Infrastructure Improvements (2017 - 2018)	This project includes conversion of pathway lighting infrastructure to LED technologies and will also include 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.	\$ 97,072.76
Conversion to LED Streetlights (2017)	This project involves the conversion of 1,552 HPS streetlights to LED technology. The expected energy savings from the 2017 conversion is 1,195,215 kWh	\$ 11,947.77
ACC & MCC Variable Frequency Drives Upgrades	Ajax Community Centre & McLean Community Centre will have variable frequency drives (VFD's) installed to replace the existing variable inlet vanes (VIV's) on the supply and return fans for four (4) air handling units. The installation of the VFD's will allow 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 VIV's.	\$ 41,973.72
LED Lighting Retrofits in Fire Station #2 and St. Francis Centre	Fire Station #2 - Full facility interior and exterior light fixture replacement with LED fixtures. St Francis Centre - Replacement of 12 existing scroller fixtures with LED lighting fixtures	\$ 100,126.99
Energy Efficient Refrigeration System for Ajax Community Centre Ice Pads 1 & 2	Ice Pads 1 & 2 at the Ajax Community Centre are cooled by two independent systems within the same refrigeration plant. The system has been in operation since 1990 and is high in energy consumption. The intent of this project is to complete the design/build of an energy efficient system with equipment and automated controls that will achieve a reduction in energy consumption.	\$ 22,352.25
LED lighting upgrades/retrofits – various locations	Design and installation of new LED lights including street lights on Mills Road from Station Street to Hunt Street, Main Branch library lighting, and parking lot lights at McLean Community Centre.	\$ 135,000.00
Energy Efficient Systems for LEED Certification of Ajax Operations & Environmental Services Facility	This facility has been designed as a Canada Green Council LEED certified building. LEED credits include - green roof, solar power, solar thermal, geothermal heating and cooling, underground cisterns, as well as high efficiency lighting and control systems. This facility is projected to use 50% of the energy a conventional building of this type and size would normally use.	\$ 668,799.53
Subtotal Community Energy Systems		\$ 1,324,595.48

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Local Roads and Bridges		
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).	\$ 1,409,326.97
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.	\$ 77,748.81
Lakeview Boulevard Realignment	Realignment of 0.8 lane km of the Lakeview Boulevard as recommended by the Class Environmental Assessment (EA). The scope of work will include realigning Lakeview Boulevard along the original road alignment to the north, removal and restoration of the existing road alignment, and installation of new LED street lighting, a new cycling trail, new crosswalks and traffic calming measures.	\$ 164,300.00
Resurfacing Taylor Rd, Radford Dr & Lake Driveway W	This project involves the resurfacing of 5.6 lane kms of local roads within the Town of Ajax including curb and sidewalk repairs, mill and overlay of asphalt surfacing, base asphalt repairs.	\$ 24,523.98
Construction of new Sidewalks (2017 & 2018)	The scope of work involves the design and construction of 520 metres of new concrete sidewalks to maintain a continuous path system within the Town and increase accessible and pedestrian friendly access.	\$ 14,452.38
Subtotal Local Roads and Bridges		\$ 1,690,352.14
Sports		
Harwood South Soccer Pitch Improvements	Installation of new sports field lighting on an existing senior sized soccer field on Harwood Avenue South.	\$ 15,386.11
Subtotal Sports		\$ 15,386.11
Total		\$ 3,069,069.36