

## 2020 Federal Gas Tax Expenditures

<i>Project Title</i>	<i>Project Details</i>	<i>2020 Gas Tax Funds</i>
<b>Capacity Building</b>		
<b>Integration of Asset Management Systems</b>	The purpose of this project is to integrate Asset Management with the Town's Computerized Maintenance Management System (CMMS) and Geographical Information Systems (GIS) to enable end-to-end connectivity of systems in order to improve service delivery and support the maintenance and rehabilitation of infrastructure and assets.	\$ 130,519.92
<b>Asset Level of Service Assessment</b>	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).	\$ 90,594.00
<b>Subtotal Capacity Building</b>		<b>\$ 221,113.92</b>
<b>Community Energy Systems</b>		
<b>Neighbourhood Streetlight Improvements</b>	This project includes the removal and replacement of existing high pressure sodium street lighting with new poles, mast arms and LED luminaires in various locations within the Town of Ajax, including on Strathy Rd., Burrells Rd. and Lambard Cres resulting in an estimated energy consumption reduction of 45%.	\$ 101,708.65
<b>Ajax Community Centre Boiler Replacement and Energy Improvements</b>	The proposed scope of work includes the replacement of seven hot water and heating boilers throughout the Ajax Community Centre. These existing boilers have an operating efficiency in the range of 65 -70% and have reached the end of their useful life. These will be replaced with high efficiency condensing boilers that will improve the heating and domestic hot water efficiency. This retrofit is expected to result in a reduction of GHG emissions.	\$ 25,650.38
<b>McLean Community Centre - Pool Filtration System and Pump Replacement</b>	The scope of work includes the removal and replacement of the McLean Community Centre pool filtration system and pumps. The existing system has reached the end of its useful life and is being replaced with new higher efficiency components such as variable frequency drive pumps and automation control that will reduce energy consumption and reduce GHG emissions.	\$ 50,000.00
<b>McLean Community Centre - Replacement of Five Rooftop Condensers</b>	The scope of work includes the removal and replacement of five rooftop condensing units with new condensers and new refrigerant. These rooftop units require replacement due to their condition and age as well as the phase out of R22 refrigerant. The units will be replaced with five new higher efficiency condensing units that will provide a reduction in energy consumption as well as a reduction in GHG emissions.	\$ 20,555.50
<b>Conversion to LED Streetlights 2019</b>	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.	\$ 8,219.39
<b>Southwood Park Neighbourhood Streetlight Improvements 2019</b>	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.	\$ 257,244.28

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<b>Community Energy Systems (Continued)</b>		
<b>Ajax Library Main Branch - Building Improvements (Main Library - Roof and Envelope Replacement)</b>	The scope of work is the design and rehabilitation of the building envelope to Main Library Branch. Work includes removal and replacement of the entire roofing assembly, EIFS cladding, exterior tile cladding, skylight replacement and curtain wall, block cladding and miscellaneous structural repairs.	\$ 1,370,735.58
<b>Walkway Lighting Infrastructure Improvements (2017-2019)</b>	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.	\$ 19,219.91
<b>Subtotal Community Energy Systems</b>		<b>\$ 1,853,333.69</b>
<b>Culture</b>		
<b>Quaker Meeting House Renovations</b>	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.	\$ 10,175.95
<b>Subtotal Culture</b>		<b>\$ 10,175.95</b>
<b>Recreation</b>		
<b>Audley Recreation Centre Phase 2</b>	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.	\$ 50,506.35
<b>Subtotal Recreation</b>		<b>\$ 50,506.35</b>
<b>Local Roads and Bridges</b>		
<b>Reconstruction of Lakeview Boulevard</b>	The scope of work includes the full depth reconstruction of Lakeview Boulevard from Pickering Beach Road to Poplar Ave and from Maple Ave to Shoal Point Road including culvert replacement, drainage improvement, curb replacement, new trail, and installation of top lift asphalt from Pickering Beach Road to Shoal Point Road. Project also includes geotechnical investigations and the detailed design of Range Line Road which will be a future Gas Tax funded project.	\$ 449,302.09
<b>Dreyer Drive Reconstruction</b>	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.	\$ 1,521,890.11
<b>Rotary Park Boardwalk</b>	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.	\$ 13,569.41
<b>Local Roads and Bridges (Continued)</b>		

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<b>Lakeview Boulevard Realignment (fronting Paradise Park )</b>	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.	\$ 205,558.57
<b>Construction of New Sidewalks (2017-2019)</b>	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.	\$ 238,894.66
<b>Extension of Carruthers Trail to connect to Alexander's Crossing</b>	Design and construction of a new section (570 metres) of the Carruthers Trail to connect at Kingston Road and Alexander's Crossing.	\$ 10,835.96
<b>Subtotal Local Roads and Bridges</b>		<b>\$ 2,440,050.80</b>
<b>Wastewater</b>		
<b>Installation of Waterfront Rain Gardens</b>	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.	\$ 17,571.03
<b>Subtotal Wastewater</b>		<b>\$ 17,571.03</b>
<b>Total</b>		<b>\$ 4,592,751.74</b>