

2021 Canada Community-Building Fund Expenditures Town of Ajax

<i>Project Title</i>	<i>Project Details</i>	<i>2021 CCBF funding</i>
Capacity Building		
Walkway & Park Lighting Condition Assessment	The structural condition of walkway and park lighting poles is being evaluated and a report will be provided with asset management recommendations for prioritized pole replacements and maintenance recommendations. The outcomes of the structural condition assessment will inform the long range capital forecast and the asset management plan.	\$ 13,864.79
Integration of Asset Management Systems	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.	\$ 348,503.04
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).	\$ 164,049.58
Subtotal Capacity Building		\$ 526,417.41
Community Energy Systems		
LED lighting upgrades/retrofits – various locations	Design and installation of new LED lights involving street lights on Mills Road from Station Street to Hunt Street, Main Branch library lighting, and parking lot lights at McLean Community Centre.	\$ 75,269.74
Installation of EV Charging Stations	Installation of two Dual Output Electric Vehicle Charging stations at the Town Hall parking lot and one Dual Output Electric Charging Station at the Operations Centre parking lot. In an effort to reduce energy consumption and greenhouse gas emissions, the Town of Ajax is involved in the Installation of Electric Vehicle (EV) charging stations that would allow the Town to meet energy conservation goals and help Ajax become a more sustainable municipality.	\$ 66,347.33
Southwood Park Neighbourhood Streetlight Improvement	The scope of work for this project includes the detailed electrical design and construction to convert the existing streetlight system to LED in the Southwood Park Neighbourhood including Simpson Road, Follet Court, Emperor Street, Burcher Road, O'Dell Court, Turnbull Road, Parsons Road, Taylor Road, Foord Road, Gibson Court, Pickering Beach Road, and Preston Court. The streetlight conversion to LED will result in increased energy savings.	\$ 63,605.05
Replacement of Five Rooftop Units at Ajax Community Centre	The five rooftop units utilize R22 refrigerant and were installed during the major expansion in 1990. The rooftop units require replacement as identified in the 2019 energy audit due to age and the phasing out of the R22 refrigerant. The retrofit is expected to reduce energy consumption and greenhouse emissions by an estimated 7 tonnes annually.	\$ 15,772.79

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Replacement of Boilers at the Main Branch Library and Fire Station #2	The Town is replacing the three boilers at the Main Branch Library and Fire Station #2 with new high efficiency condensing boilers with an efficiency of 97%.	\$ 28,045.04
Ajax Community Centre & McLean Community Centre - Lighting Retrofit - Phase II	The two facilities have a combined total area of 300,000 square feet. The lighting retrofit is therefore being completed in phases. Phase II involves the replacement of approximately 1,000 existing fluorescent fixtures throughout the facilities. Phase II of the lighting retrofit is expected to reduce greenhouse gas emissions by 9 tonnes at ACC and 3 tonnes at MCC annually.	\$ 21,725.76
Neighbourhood Streetlight Improvements	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%.	\$ 196,538.02
Ajax Community Centre Boiler Replacement and Energy Improvements	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.	\$ 47,332.78
McLean Community Centre - Replacement of Five Rooftop Condensers	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.	\$ 41,148.26
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.	\$ 105,036.67
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 project will include replacement of the seven units with new high efficiency units which will result in improved heating, cooling and ventilation efficiency.</p>	\$ 444,786.95
Ajax Library Main Branch - Building Improvements	The scope of work includes the design and rehabilitation to the building envelope system at Main Library Branch. Work includes the removal and replacement of the entire roofing assembly, replacement of the Exterior Insulating Finishing System (EIFS) and exterior tile cladding, replacement of the skylights and repairs to the curtain wall assembly, block cladding and miscellaneous structural repairs.	\$ 26,797.16

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Walkway Lighting Infrastructure Improvements	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.	\$ 31,209.77
Subtotal Community Energy Systems		\$ 1,163,615.32
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.	\$ 892.50
Subtotal Recreation		\$ 892.50
Local Roads and Bridges		
Road Resurfacing and Reconstruction	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).	\$ 27,040.37
Construction of New Sidewalks	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.	\$ 45,472.21
Admiral Road Reconstruction	Construction of Admiral Road from Parry Road to Roosevelt Avenue. The project includes 560 m of full depth road reconstruction, repair of existing sidewalk and boulevard, repair of existing storm sewer and replacement of existing watermain (by Durham Region). The reconstruction of municipal roads and associated repairs are a critical component of the Town's efforts to modernize existing municipal infrastructure and other assets.	\$ 88,537.46
Fuller Road Reconstruction	Construction of Fuller Road from Westney Road S to Clements Road W. The project includes 730 m of full depth road reconstruction and installation of new sidewalks. The reconstruction of municipal roads and associated repairs are a critical component of the Town's efforts to modernize existing municipal infrastructure and other assets.	\$ 1,530,445.54
Reconstruction of Lakeview Boulevard	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.	\$ 356,190.97
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.	\$ 190,956.61

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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.	\$ 1,222,522.94
Subtotal Local Roads and Bridges		\$ 3,461,166.10
Total		\$ 5,152,091.33