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Hamilton

**Public Transit Infrastructure Fund &  
Clean Water and Wastewater Fund**

**GIC – October 5, 2016**

# Presentation Overview

- Public Transit Infrastructure Fund (PTIF) and Clean Water and Wastewater Fund (CWWF) Overview
- Review PTIF proposed projects for submission
- Review CWWF proposed projects for submission
- FCS16083 report recommendations



## Public Transit Infrastructure Fund Program Overview

- Federal funding to cover up to 50 per cent for projects that will reduce commute times and make public transit more efficient and inclusive for people in Ontario
  - Ontario's share \$1.487B allocated transit ridership
  - **Hamilton's allocation: \$36,489,204** (requires local matching contribution)
  - Eligible expenditures must occur between April 1, 2016 and March 31, 2018
  - May submit projects up to 25% of allocation with completion deadline extended to March 31, 2019
  - **Application deadline October 18, 2016**
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## Clean Water and Wastewater Fund Program Overview

- Fund designed to accelerate immediate improvements to water distribution and treatment infrastructure
- Federal government will contribute 50% to max allocation of \$21,945,381 & Provincial government will contribute 25% to max allocation of \$10,972,691
- **Total allocation for Hamilton: \$32,918,072** (requires 25% local contribution)
- Eligible costs must occur between April 1, 2016 and March 31, 2018
- Where need is demonstrated, up to 25% of costs can extend beyond March 31, 2018
- **Application deadline October 31, 2016**



# Public Transit Infrastructure Fund City of Hamilton Submissions

## City of Hamilton Public Transit Infrastructure Fund Project Submissions

Project Description	Total Project Cost	Funding Request	Funding %	Completion Date	Within Ten Year Local Transit Strategy (\$250M)	Within 10 Yr Budget	New Project to Support Ten Year Local Transit Strategy
Maintenance and Storage Facility - Phase 1 Design and Site Preparation	\$28,650,000	\$ 14,325,000	50.0%	\$19,527,700 by Mar 31, 2018 \$9,122,300 by Mar 31, 2019	✓		
Fleet expansion as per Ten Year Local Transit Strategy. 2017 (5) and 2018 (11) fleet including modal split.	\$10,380,000	\$ 5,190,000	50.0%	Mar 31, 2018	✓		
Transit shelter and bus stop rehabilitation and replacement. Includes enhanced passenger information (real time bus arrival), shelter refurbishment, replacement and stop upgrades such as bus stop markers.	\$ 7,043,408	\$ 3,521,704	50.0%	Mar 31, 2018		✓	✓
Automated Passenger Counters	\$ 4,300,000	\$ 2,150,000	50.0%	Mar 31, 2018			✓
Transit Priority Measures on A-Line/T-Line including queue jump lanes and transit signal priority	\$ 3,850,000	\$ 1,925,000	50.0%	Mar 31, 2018	✓		
Infrastructure: - end of line permanent Operator facilities - rehabilitate loops - rehabilitate on-street stop locations (e.g. rutting)	\$ 3,300,000	\$ 1,650,000	50.0%	Mar 31, 2018			✓
Vehicle hoist replacements (11) at Mountain Transit Centre	\$ 3,025,000	\$ 1,512,500	50.0%	Mar 31, 2018			✓

continued...



# Public Transit Infrastructure Fund City of Hamilton Submissions

## City of Hamilton Public Transit Infrastructure Fund Project Submissions

Project Description	Total Project Cost	Funding Request	Funding %	Completion Date	Within Ten Year Local Transit Strategy (\$250M)	Within 10 Yr Budget	New Project to Support Ten Year Local Transit Strategy
Sustainable transportation/transit connections - installation of sidewalks and landing pads on Rymal Road East	\$ 3,025,000	\$ 1,512,500	50.0%	Mar 31, 2018			✓
Radio system replacement - switch from analogue to digital	\$ 3,000,000	\$ 1,500,000	50.0%	Mar 31, 2018			✓
HVAC upgrades at Mountain Transit Centre	\$ 2,200,000	\$ 1,100,000	50.0%	Mar 31, 2018			✓
Passenger information technology (e.g. real time mobile app, mobile web solution, Wi-Fi on buses, social media feeds, other technical software upgrades)	\$ 1,605,000	\$ 802,500	50.0%	Mar 31, 2018	✓		✓
Garage Door Replacement (32) at Mountain Transit Centre	\$ 1,320,000	\$ 660,000	50.0%	Mar 31, 2018			✓
New wash racks at Mountain Transit Centre	\$ 880,000	\$ 440,000	50.0%	Mar 31, 2018			✓
Support fleet - 8 vehicles to accommodate growth	\$ 400,000	\$ 200,000	50.0%	Mar 31, 2018			✓
<b>Total</b>	<b>\$72, 978,408</b>						



# Public Transit Infrastructure Fund City of Hamilton Submissions

## City of Hamilton Public Transit Infrastructure Fund Project Submissions - 25% over funding allocation

Project Description	Total Project Cost	Funding Request	Funding %	Completion Date	Within Ten Year Local Transit Strategy (\$250M)	Within 10 Yr Budget	New Project to Support Ten Year Local Transit Strategy
Driver training simulator	\$ 825,000	\$ 412,500	50.0%	Mar 31, 2018			✓
Branding - including application to assets as directed by Marketing Strategy	\$ 3,440,000	\$ 1,720,000	50.0%	Mar 31, 2018	✓		
Sustainable transportation/transit connections - Claremont Access Bike Lanes	\$ 3,000,000	\$ 1,500,000	50.0%	Mar 31, 2018			✓
Infrastructure Additional Locations: - end of line permanent Operator facilities - rehabilitate loops - rehabilitate on-street stop locations (e.g. rutting)	\$ 1,857,300	\$ 928,650	50.0%	Mar 31, 2018			✓
<b>Total</b>	<b>\$ 9,122,300</b>						
<b>Combined Total</b>	<b>\$82,100,708</b>						

- CWWF submission is separated into two components:
  - Project Submissions (Primary)
  - Supplemental Submissions (Secondary)
- Secondary list consist of projects for consideration should surplus be available in addition to announced City allocation
- CWWF submission addresses both linear and vertical water and wastewater infrastructure





# Clean Water and Wastewater Fund City of Hamilton Project Submissions (Primary)

Project Submissions (Primary) Description	Total Project Cost	Funding Request	Funding %	Completion Date
<b>Stormwater Project - Rehab</b>				
<i>West Mountain Sewer ("Juggernaut") - Replacement/repairs to the existing structurally deficient storm sewer</i>	\$10,500,000	\$ 7,875,000	75.0%	March 31, 2018
<b>Water Projects - Rehab</b>				
<i>Osler Road Pumping Station (HD011) Upgrades - Misc upgrades for mechanical, electrical, architectural and site access improvements.</i>	\$ 1,500,000	\$ 1,125,000	75.0%	March 31, 2018
<i>Freelton Tower (HDT03) Upgrades - Recoat tank shell exterior / interior and misc station repairs and upgrades</i>	\$ 1,425,000	\$ 1,068,750	75.0%	March 31, 2018
<i>Ben Nevis (HD08A) WPS Upgrade - Misc station repairs and upgrades</i>	\$ 1,200,000	\$ 900,000	75.0%	March 31, 2018
<i>Structural lining - Watermains will be lined with a structural liner which will extend the service life of the asset</i>	\$ 7,000,000	\$ 5,250,000	75.0%	March 31, 2018
<b>Water Projects- New</b>				
<i>WTP: New Corrosion Control Building - Construction of a chemical feed and storage system in order to reduce lead concentrations in the distribution system</i>	\$ 3,080,000	\$ 2,310,000	75.0%	March 31, 2018
<i>Lynden Additional Water Supply - Construction of a new water well supply, booster pumping and water treatment system</i>	\$ 2,600,000	\$ 1,950,000	75.0%	March 31, 2018
<b>Water Projects- Study / Planning</b>				
<i>Metallic Water main Condition Assessment</i>	\$ 800,000	\$ 600,000	75.0%	March 31, 2018
<i>Prestressed Concrete Cylinder Pipe Assessment Program</i>	\$ 500,000	\$ 375,000	75.0%	March 31, 2018
<i>Critical Watermain inspection - Critical high risk watermain data collection and analysis to facilitate condition assessment, prioritization of rehabilitation / replacement, or inspection cycle needs</i>	\$ 400,000	\$ 300,000	75.0%	March 31, 2018



# Clean Water and Wastewater Fund City of Hamilton Project Submissions (Primary)

Primary list continued....

Project Submissions (Primary) Description	Total Project Cost	Funding Request	Funding %	Completion Date
<b>Wastewater Projects- Rehab</b>				
<i>Wastewater System Lining Program - Existing combined and/or sanitary sewers</i>	\$ 6,555,763	\$ 4,916,822	75.0%	March 31, 2018
<i>Woodward WWTP Methane Sphere - Repairs and recoating of structure</i>	\$ 4,000,000	\$ 3,000,000	75.0%	March 31, 2018
<i>Mainline Sewer Condition Assessment Program - Inspection and analysis of large and small diameter sewer mains throughout the City</i>	\$ 1,500,000	\$ 1,125,000	75.0%	March 31, 2018
<i>Sewer Lateral Replace/Rehab Program - Co-ordination of lateral rehabilitation</i>	\$ 1,000,000	\$ 750,000	75.0%	March 31, 2018
<i>Elgin St. (FC001), Rhodes Court (DC009) and Calvin St. (HC011) SPS Upgrades - Misc mechanical and electrical station repairs and upgrades</i>	\$ 430,000	\$ 322,500	75.0%	March 31, 2018
<b>Wastewater Project – Study / Planning</b>				
<i>Western Interceptor Sewer CCTV and Sonar Inspection - Closed Circuit Television (CCTV) and sonar inspection of the western interceptor (Main/King CSO Tank (HWY 403) to Woodward Treatment Plant and Barton St. from Ferguson Ave. to Gage Ave.)</i>	\$ 1,400,000	\$ 1,050,000	75.0%	March 31, 2018
<b>Total Project Submissions (Primary)</b>	<b>\$43,890,763</b>	<b>\$ 32,918,072</b>	<b>75.0%</b>	



# Clean Water and Wastewater Fund City of Hamilton Supplemental Submissions (Secondary)

Supplemental Submissions (Secondary) Description	Total Project Cost	Funding Request	Funding %	Completion Date
<b>Stormwater Project - Rehab</b>				
<i>Green Infrastructure Pilot Project</i>	\$ 2,000,000	\$ 1,500,000	75.0%	March 31, 2018
<b>Water Projects - Rehab</b>				
<i>Security System Upgrades Priority Outstations - Physical Security upgrades at six (6) water outstations</i>	\$ 4,540,000	\$ 3,405,000	75.0%	March 31, 2018
<i>Structural lining - Watermains will be lined with a structural liner which will extend the service life of the asset</i>	\$ 1,000,000	\$ 750,000	75.0%	March 31, 2018
<i>HDR01 Kenilworth Reservoir - Minor concrete restoration and process mechanical upgrades</i>	\$ 400,000	\$ 300,000	75.0%	March 31, 2018
<i>Woodward WTP Fluoride Building HVAC Improvements – enhance the ventilation system within the fluoride building</i>	\$ 350,000	\$ 262,500	75.0%	March 31, 2018
<b>Wastewater Projects - Rehab</b>				
<i>Wastewater system lining program - Existing combined and/or sanitary sewers</i>	\$ 1,000,000	\$ 750,000	75.0%	March 31, 2018
<i>Sewer Lateral Replace/Rehab Program – Co-ordination of lateral rehabilitation</i>	\$ 1,000,000	\$ 750,000	75.0%	March 31, 2018
<b>Total Supplemental Submissions (Secondary)</b>	<b>\$10,290,000</b>	<b>\$ 7,717,500</b>	<b>75.0%</b>	



## Recommendations

- a) That the projects, as listed in Appendix “A” of Report FCS16083, be approved as the City of Hamilton’s submission for consideration to Infrastructure Ontario for the requested funding amount of \$36,489,204, in accordance with the terms and conditions associated with the Public Transit Infrastructure Fund (PTIF);
  
- b) That the projects, as listed in Appendix “B” of Report FCS16083, be approved as the City of Hamilton’s submission for consideration to Infrastructure Ontario for the requested funding amount of \$32,918,072, in accordance with the terms and conditions associated with the Clean Water and Wastewater Fund (CWWF);



## Recommendations

- c) That the Mayor and Clerk be authorized to execute all necessary documentation, including Funding Agreements for funding under the PTIF and CWWF Programs, in a form satisfactory to the City Solicitor;
  - d) That in consultation with the Procurement Section, Corporate Services Department, the City of Hamilton Procurement Policy be amended for projects that are accepted under federal and or provincial funding programs with a completion deadline of March 2018, as follows:
    - (i) That the requirement to issue a formal Request for Proposals to the entire vendor community be waived; and,
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## Recommendations

- (ii) That Request for Proposals will be issued on an invitational basis only and staff will invite at least three firms to bid for each Request for Proposals (Purchasing Policy #5.4).
  
- (iii) That the Manager of Procurement may waive the requirement for three Bids for Requests for Proposals (Purchasing Policy #5.4), but will only do so where the Client Department has demonstrated to the satisfaction of the Manager of Procurement that a minimum of three Bids cannot be obtained.



## Recommendations

- (e) That the required funding agreement for the PTIF, include a clause that would allow the City to withdraw a project as listed in Appendix “A”, or component of a project, should it become apparent that program timelines cannot be met;
- (f) That the operating budget and FTE impacts related to approved PTIF projects, estimated to be \$2.75M and 29.0 FTE’s be incorporated in the 2017 Tax Supported Operating Budget and \$1.43M and 30.0 FTE’s in the 2018 Tax Supported Operating Budget;
- (g) That copies of Report FCS16083 be forwarded to local Members of Provincial Parliament and to local Members of Parliament.