




INFORMATION UPDATE

TO:	Mayor and Members City Council
DATE:	October 16, 2019
SUBJECT:	Emergency Works - High Lake Levels (HW.19.07)
WARD(S) AFFECTED:	City Wide
SUBMITTED BY:	Nick Winters Director, Water & Wastewater Operations Public Works Department
SIGNATURE:	

Mr. Mayor and Members of Council, the following highlights emergency works related to the spring/summer 2019 wet weather events and elevated lake levels.

In 2019, significant snowmelt and rainfall events occurred in Hamilton resulting in high water levels in Lake Ontario and Hamilton Harbour. On May 31, 2019, the water level in Lake Ontario was measured at 75.88 metres above sea level. This level surpassed the record of 75.87 metres, which was reached on four different days in late May 2017. On June 4, 2019, the water levels in Lake Ontario peaked at 76.01 metres, approximately 1.32 metres above historical averages.

Hamilton Water declared emergencies (as defined in the Procurement Policy By-Law 17-064), on May 3rd, May 28th, June 7th, and June 21st, 2019. Many different contractors were authorized to perform works in response to these multiple emergencies related to extreme wet weather flows and elevated lake level conditions.

Works included:

- Procuring pumps and pumping water off several roadways in the neighbourhoods near Beach Blvd;
- Cleaning storm water inlets and outlets;
- Supporting the operation of sewage pumping stations with vacuum trucks and temporary pumps; and
- Installing gates and blocking sewers at strategic locations to prevent the inflow of lake water into the sewer system.

Lake Ontario water levels did not decrease to manageable levels until mid-September, and multiple contractors were working for months to protect the City's sewer

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OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.

OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.

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infrastructure and the residents on the Beach Strip. In total, the City spent \$2,845,301.31 in contractual costs to combat the extreme wet weather flows and elevated lake level conditions. Please note that these costs do not include staff time (both regular and overtime), increased electricity costs incurred at the City's sewage pumping stations and the Woodward Avenue Wastewater Treatment Plant (WWTP) or increased treatment chemical costs incurred at the Woodward Avenue WWTP. A breakdown of costs by contractor follows:

Contractor/Vendor Name	Costs*
Moffatt Equipment	\$1,338,625.00
Terratec Environmental	\$574,682.50
Wessuc Inc.	\$735,687.36
Meehan's Industrial	\$110,046.39
PipeFlo Contracting Corporation	\$47,913.48
Directrik Inc.	\$23,177.43
Floval Equipment Ltd.	\$14,225.00
Sunbelt Rentals	\$944.15
Total	\$2,845,301.31

*Costs do not include HST

Finally, I would like to highlight that despite the challenging conditions that the extreme wet weather flows and elevated lake level conditions presented over an extended period, staff were able to maintain the function of the City's sewer systems at all times. Staff were also able to maintain effluent compliance at the Woodward and Dundas WWTPs. This is a testament to the dedicated and talented staff within Hamilton Water and their commitment to serving the community.

For further information, please contact Nick Winters, Director Water & Wastewater Operations, at (905) 546-2424, extension 1474.