

---

## **2018 CAPITAL BUDGET BRIEFING NOTE**

### **Breakdown of the Waterfront High Lake Effect Flooding Rehabilitation Funding**

---

#### **Issue/Background:**

- At its meeting on January 12, 2018, Budget Committee requested a briefing note on an inventory of the work and a corresponding breakdown of the \$2 million expenditures being undertaken to ensure a swimmable, walkable and stable waterfront for the summer of 2018.
- As of result of snowmelt and a rainy spring in 2017, Lake Ontario recorded the highest water levels at any time since 1918. These high lake levels and wave uprush caused erosion and flooding, and damage to public infrastructure and private property along the Lake Ontario shoreline and Toronto Island Park.
- The responsibility for managing and maintaining Toronto's waterfront is shared by the City of Toronto and Toronto and Region Conservation Authority (TRCA).
- The City is responsible for assets along the waterfront including trails, boardwalks, and structures, such as the Leuty lifeguard station; and TRCA is responsible for the stability of the shoreline and the structures associated with its stability, including beach curbs and erosion control structures.
- A preliminary assessment of damage across the waterfront was undertaken by the City and TRCA and was estimated at \$7.38 million in capital expenditures for short term repairs and mitigation work.
- In order to address priority rehabilitation and remediation work, \$2.000 million is included in the 2018 Preliminary Capital Budget for Parks, Forestry and Recreation (PF&R) for the *Waterfront High Lake Effect Flooding Rehabilitation* sub-project, in the Park Development project, funded by debt.
- The balance of restoration work totaling approximately \$5.38 million will be submitted for consideration as part of the 2019 Budget process along with other work still to be identified through a 2018 review of the waterfront which will identify further emerging work.
- As water levels still remain over 30 cm higher than average, the full scope of required repairs and restoration work will be determined once water levels return to its historical levels.
- As directed by City Council at the July 4, 2017 meeting, PF&R in consultation with TRCA, will report back to Executive Committee in 2018 with a comprehensive plan that will address the completion of repairs to assets and infrastructure as well as mitigation strategies.

**Key Points:**

- The 2018-2027 Preliminary Capital Budget and Plan includes \$2.0 million for the Waterfront High Lake Effect Flooding Rehabilitation capital project which consists of five sub-projects for 2018:
  - 1) \$1.200 million for Bluffer's Park to rehabilitate shoreline infrastructure;
  - 2) \$0.150 million to undertake a flood study in Toronto Island Park to determine strategic mitigation;
  - 3) \$0.350 million to install 15 sump locations and purchase 2 industrial pumps in Toronto Island Park;
  - 4) \$0.100 million to grade sand and repair the western portion of the shoreline in proximity to the Leuty Lifeguard Station; and
  - 5) \$0.200 million to relocate the Leuty Lifeguard Station to a more secure location that is not susceptible to shoreline erosion and heavy wave action.
- Specifically, these projects will ensure a stable waterfront for the summer of 2018. The requested funding for the flood study will inform a longer term plan for strategic mitigation that will also ensure a swimmable and walkable waterfront in the future.

---

**Prepared by:** Richard Ubbens, Director, Parks, Parks, Forestry & Recreation, (416) 392-7911,  
[Richard.Ubbens@toronto.ca](mailto:Richard.Ubbens@toronto.ca)

**Further information:** Janie Romoff, General Manager, Parks, Forestry & Recreation, (416) 392-8182,  
[Janie.Romoff@toronto.ca](mailto:Janie.Romoff@toronto.ca)

**Date:** January 16, 2018