

**THE CORPORATION OF THE  
TOWN OF NIAGARA-ON-THE-LAKE**  
OFFICE OF THE TOWN CLERK

WHEREAS Reducing Flooding Risks is one of the goals of the NOTL Climate Change Action Plan; and

WHEREAS modelling shows that there will be an increase in intensity, duration and frequency of extreme rainfall events; and

WHEREAS to review and update floodplain mapping, a review of the flood criteria used for modelling is needed; and

THEREFORE BE IT RESOLVED that staff consult with the relevant appropriate agencies to consider increasing the criteria used in the modelling, specifically:

1. increasing the mean 100 year average of Lake Ontario from 76.15m as identified in the NPCA Lake Ontario Shoreline Management Plan (2009) to account for our changing climate; and
2. increasing the engineering design criteria from the 1 in 100-year storm event, which has been used for decades and doesn't address increase in intensity, duration and frequency of extreme rainfall events; and

BE IT FURTHER RESOLVED that staff recommendations be submitted to Council for consideration in Q3 2024.