



TOWNSHIP OF NORTH HURON

REPORT

Item No.

REPORT TO: Reeve Vincent and Members of Council
PREPARED BY: Sean McGhee, Director of Public Works
DATE: 04/09/2018
SUBJECT: National Disaster Mitigation Program
ATTACHMENTS: Wingham Area Flood Water Depth Map - MVCA

RECOMMENDATION:

THAT the Council of the Township of North Huron hereby receive the report of the Director of Public Works, dated September 4th, 2018 regarding a funding opportunity through the National Disaster Mitigation Program (NDMP) for information;

AND FURTHER THAT, staff be authorized to apply for funding through the National Disaster Mitigation Program (NDMP) on behalf of the Township of North Huron for the purpose of updated floodplain mapping.

EXECUTIVE SUMMARY

The National Disaster Mitigation Program (NDMP) is a federal program that provides funding for projects designed to mitigate flood risk. Public Safety Canada will provide up to 50% funding on approved projects, to a maximum of \$1.5 million dollars.

This program was recommended to the Township by the MVCA as an opportunity to secure updated flood plain modelling. The existing Maitland River flood plain model was completed 42 years ago in 1976 and is outdated. Land use and development in the area have changed substantially since that time. By revisiting the mapping utilizing the latest technology, the accuracy will be notably enhanced and will provide highly detailed information as it relates to the flood plain in the area.

The NDMP can provide up to 50% funding for costs associated with acquisition of the topographic mapping required to update the Flood Plain Mapping. Once the topographic mapping is received, the MVCA can create a new flood plain model to update the mapping. Updated mapping would enable MVCA to refine the floodway which has the potential to ease restrictions on development in the Wingham Area for both North Huron and Morris-Turnberry. Morris Turnberry staff have expressed an interest in teaming up with MVCA and North Huron to move forward with this project. Morris-Turnberry will be bringing a similar report forward to their Council for similar consideration.

If the project is approved for funding, 50% of the total cost would be covered through the NDMP with the remaining 50% shared evenly between Morris-Turnberry and North Huron. All work undertaken by the MVCA to update the flood plain mapping would be done as a levy service at no additional cost.

The costs associated with the project are limited to the acquisition of 3-dimensional ground data through the use of Light Detection and Ranging (LIDAR) systems. This involves use of sensitive equipment on board an aircraft which flies a predetermined grid over the area in early spring.

Submissions are due not later than end of day on September 14th.

DISCUSSION

The NDMP consists of four project streams which are expected to be completed sequentially. The project streams available for funding include the following:

- risk assessments
- flood mapping
- mitigation planning
- investments in non-structural and small-scale structural mitigation projects

As the risk assessment component has been completed by the MVCA, the application for funding would focus on the mapping component.

This project is a 2019 initiative. If the Township is successful in securing NDMP funding, Council will have opportunity to consider the merits and costs associated with the project prior to entering into a formal contribution agreement.

FINANCIAL IMPACT

There is no impact on the 2018 Budget. The estimate for acquisition of the data is approximately \$40,000.⁰⁰. The financial impact for North Huron on the 2019 budget is expected to be \$10,000.⁰⁰ and would be considered during 2019 Budget discussions.

FUTURE CONSIDERATIONS

None at this time.

RELATIONSHIP TO STRATEGIC PLAN

This project relates to **Goal No. 4** of the Strategic Plan in that the administration is fiscally responsible and strives for operational excellence,



Sean McGhee, Director of Public Works



Dwayne Evans, CAO