



Subject: *Provincial Funding for 3D Visualizations for Flood Hazard Communications*
To: Council
Date Prepared: March 3, 2025
Related Motions: N/A
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Approved by: John Woodford, Director of Planning

Summary

The Nova Scotia Department of Municipal Affairs (DMA) is offering municipalities funds in the amount of \$125,000 to source 3D Visualizations for Flood Hazard Communication.

Financial Impact Statement

The Provincial government is to provide the municipality with funding in the amount of \$125,000.

Recommendation

That Council authorize the CAO to enter into a contract with the Province of Nova Scotia to source 3D Visualizations for Flood Hazard Communications, and that a budget of \$125,000 be established with funding to come from the Provincial government.

Recommended Motion

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Background

The Provincial government is offering funding to municipalities for 3D Visualizations for Flood Hazard Communication in accordance with aspects of the *Environmental Goals and Climate Change Reduction Act* which includes working with communities to act on their climate change priorities.

Discussion

FINANCIAL CONSIDERATIONS

This project is to be completely funded by the Provincial government.

TIMELINE

The timeline for the funding is time sensitive. The contribution agreement between the Province and the Municipality of East Hants must be signed by the CAO and Minister John Lohr no later than March 25th, 2025. The project itself is to be completed by December 31st, 2025.

FINAL PRODCUT

The final product will be a browser-based 3D visualization tool highlighting areas at risk of flooding within the Municipality to be used by staff and shared publicly. The visualization is to include built in flood scenarios based on the flood line mapping carried out by the Department of Municipal Affairs (DMA) and provided to the Municipality in 2024. The tool will also include supporting documents and other relevant resources.

LONG TERM GIS STRATEGY ALIGNMENT

The Municipality's long term GIS strategy includes leveraging geomatics tools and spatial data for better decision making, asset management, and communication. The 3D Visualizations for Flood Hazard Communication will:

- inform and improve decision making by identifying locations of potential flood hazards.
- support more detailed analysis and assessment of flood hazards and critical infrastructure/facilities using a 3-dimensional format.
- enhance communication regarding flood hazards with the public and stakeholders by providing an easy to navigate product with links to additional resources.

EXAMPLES

[Village of Weymouth](#)

[Municipality of the District of Digby](#)

[Municipality of the District of Yarmouth](#)

[Town of Mahone Bay](#)

[Town of Lunenburg](#)