

Re: Item No. 14.1

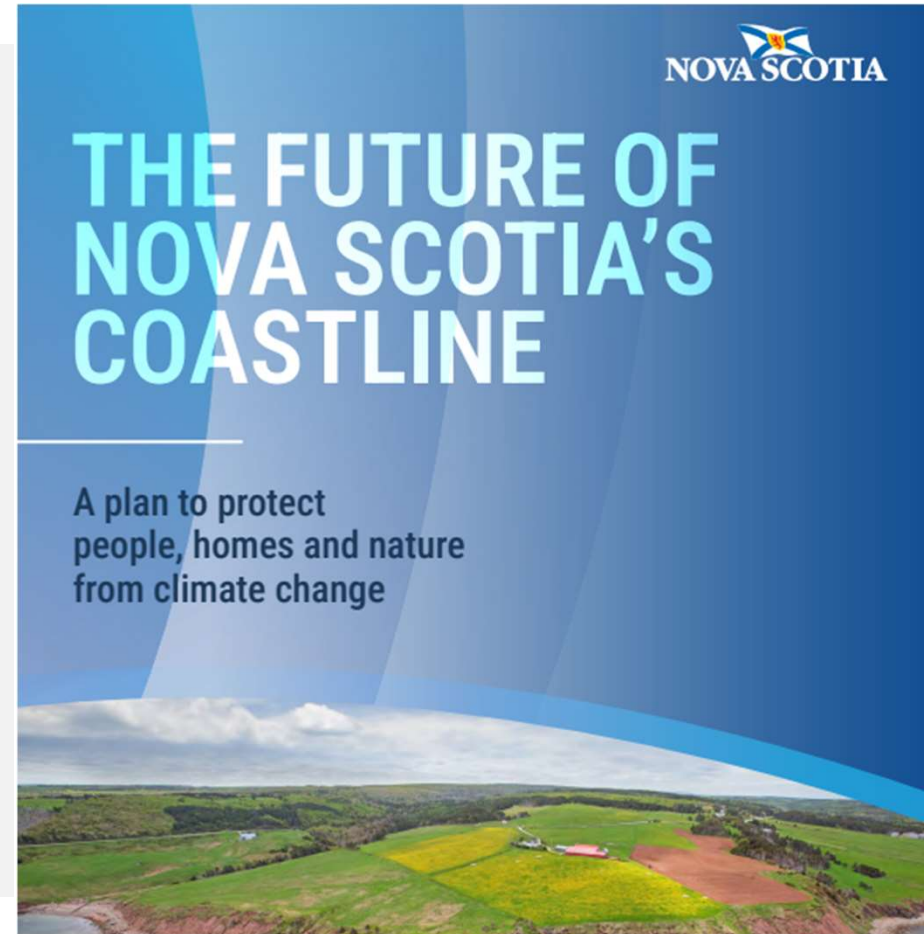
**HALIFAX**

September 10<sup>th</sup>, 2024

# **Existing and Planned Measures for Coastal Management**

Prepared for Regional Council

- The Province has introduced “The Future of our Coastline: a plan to protect people, homes, and nature from climate change” in lieu of adopting the Coastal Protection Act
- 15 actions to assist coastal property owners in decision-making and to support municipalities in addressing coastal protection
- Emphasis on municipalities taking the lead to regulate coastal protection and support communities in managing and adapting to coastal hazards



**Background**

**HALIFAX**



## Regulation

- Land use regulations for minimum elevation (vertical setback) and buffers (horizontal setback)



## Data Collection

- HRM Extreme Water Level Report (2022)
- Creation of Flood Hazard Maps for HRM (2024)
- Mapping of Wave Runup along the HRM coastline (ongoing)



## Analysis of Hazards

- Baseline Climate Hazard Exposure Maps
- Hazard, Risk and Vulnerability Assessment (HRVA) – Ongoing



## Capital Projects

- Shore Road: Building with Nature
- Functional Assessment of a section of Purcell's Cove
- Point Pleasant Park Shoreline Improvements
- Regatta Point Erosion Mitigation
- Dingle Seawall



## Building Capacity

- Green Shores Local Government Group
- HRM Resilient Infrastructure Standards Team – P&D



Current coastal management initiatives in HRM are based on integrated, science-based approaches to coastal protection



Collaboration and community engagement are critical elements to build resilience

- Complete ongoing studies to inform future policies that consider the impact of coastal erosion, sea level rise, and wave runup
- Continue to foster collaboration between business units, increase awareness about hazards and facilitate the adoption of infrastructure design standards that include the impact of climate change and sea level rise
- Explore additional strategies to strengthen our approach to coastal management through knowledge transfer from other jurisdiction with complex coastlines and working Harbours
- Enhancing collaboration with different levels of government and key partners along the Halifax Harbour and the wider HRM coastline to explore opportunities for developing joint strategies for coastal management and coastal protection.
- Identifying additional opportunities for the implementation of nature-based solutions