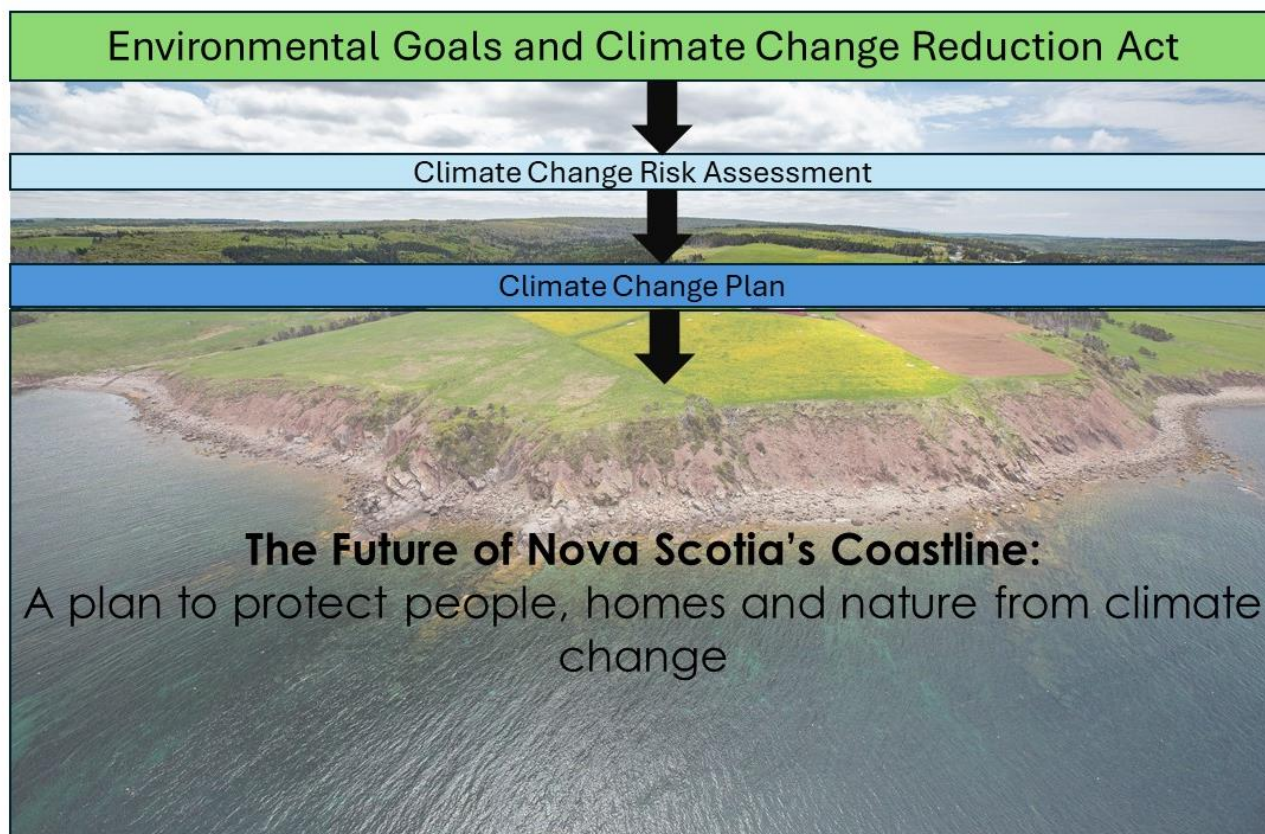


Nova Scotia Federation of Municipalities Spring Conference

May 9, 2024

The Future of Nova Scotia's Coastline

- Builds on foundation of:



Environmental Goals and Climate Change Reduction Act

- 28 ambitious goals to fight climate change, create sustainable prosperity

Climate Risk Assessment

- Identified climate risks, including coastal hazards, and informed the climate plan

Our Climate, Our Future – Nova Scotia's Climate Plan for Clean Growth

- 68 actions to build resilient communities
- Multi-year, fully funded

The plan to protect people, homes and nature from climate change along the coast

3

The Plan:



Supports Informed Decision-Making

- Empowers coastal property owners to make informed decisions to protect and develop their property



Supports Municipal Leadership

- Helps municipalities manage their jurisdiction with consideration for coastal protection



Aligns Resources with Coastal Protection

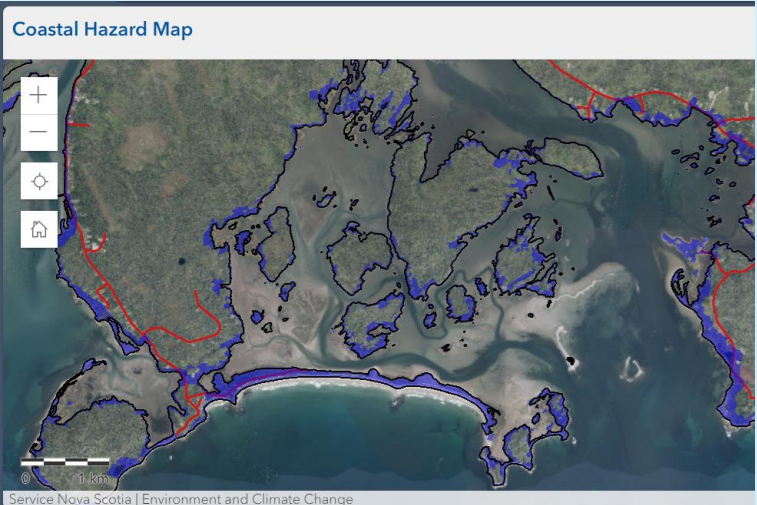
- Ensures the Province's human and financial resources appropriately and equitably support coastal protection and support Nova Scotians



Supporting Informed Decision-Making

Action 1: Coastal Hazard Map and User Guide (Available now)

- Supports Nova Scotians in understanding risks to their property and municipalities in understanding risks to municipal infrastructure
- Currently shows a worst-case scenario of coastal flooding in the year 2100. This includes sea-level rise, high tide and storm surge values.
- In the coming months the map will include:
 - Coastal flooding information for areas further than 100m inland
 - Coastal flood level projections for the year 2050
 - Less drastic scenario for projected sea level rise and storm surge during a high tide, in the year 2100
 - Information on erosion through the **Coastal Hazard Assessment Report feature (Action 2)**



Coastal Hazard Map

Service Nova Scotia | Environment and Climate Change

Data Used:

- **Sea-level rise:**
 - Dataset: CMIP5 (2013)
 - Emissions scenario: RCP 8.5
 - 95th percentile
- **Storm surge:**
 - Richard and Daigle (2011)
- **Higher high water large tide:**
 - Source: Department of Fisheries and Oceans



Supporting Informed Decision-Making

Action 3. Navigators (Available now)

Action 4. Resource Guide for Coastal Property Owners (Available now)

Action 7. Leveraging CLIMAtlantic's services and their Coastal Adaptation Toolkit (Available Now)

- Information is available for Nova Scotians and communities now
 - [Coastal Hazard Map \(novascotia.ca\)](http://novascotia.ca)
 - [safeguarding-coastal-property.pdf \(novascotia.ca\)](#)
- **Residents can contact the Navigators at**
 - coastalnavigator@novascotia.ca
 - **1-888-570-4240**
- All materials, including rack cards, can be upon request
- Coastal Adaptation Toolkit has both individual and municipal/ community streams



Feedback



Supporting Informed Decision-Making

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Action 5. Install signs indicating provincial government infrastructure that is susceptible to flooding (Short Term)

- Supports Nova Scotian's awareness of potential dangers and safer routes in the case of an emergency

Action 6. Engage the Nova Scotia Real Estate Commission to increase awareness & encourage consideration of coastal hazards for coastal real estate (Short Term)

- Supports awareness for informed investing in property and housing

Timelines: Year 1 (Short), Year 2 (Medium), Year 3 (Long)





Action 8. Support municipalities with example land use by-law content they can use to regulate coastal protection in their communities.(Short Term)

- Example text will provide municipalities with the flexibility to take the best approach for their communities and support coastal protection, while reflecting the concerns of their residents
- Example land-use by-laws and related policy statements are not yet developed because this requires municipal input
- Municipalities will inform this work
- Text will be developed by a consultant
- Supported by the NSFM Coastal Coordinator



Timelines: Year 1 (Short), Year 2 (Medium), Year 3 (Long)



Action 9. Province Wide Erosion Risk Assessment (Medium Term)

- Creates a consistent approach to the assessment of erosion along the province's coast
- Information will be provided to municipalities which considers the various coastal geology
- Information can support municipal zoning

Action 10. Continue to support and enhance the Municipal Flood Line Mapping (MFLM) Program (Ongoing)

- Provides flood line mapping data that municipalities can use to regulate flood-prone areas through zoning.
- Involves significant field work in municipalities, engagement with partners, & working groups with municipal representation
- The \$1.6M announced with the Coastal Protection Action Plan supports additional data gathering and regional adaptation workshops with municipal leaders
- Mapping completion by 2027 and data provided to municipalities as available. All mapping will be made public by March 31, 2028 (likely sooner)

Timelines: Year 1 (Short), Year 2 (Medium), Year 3 (Long)



Action 11. More Supports for Flood Planning (Short Term)

- Via the Interdepartmental Flood Working Group & 2 ECC positions (Stormwater & Flood Management and Adaptation Lead):
 - Additional outreach to municipalities to identify supports needed
 - Data improvements and coordinating access to provincial datasets that can inform flood planning
 - Implement priority flood-related projects
- The NSFM Coastal Coordinator will be a key facilitator between municipalities and the Province in this work

Action 12. Support Coastal Protection through the Sustainable Communities Challenge Fund (Short Term)

- \$30.4M in existing funding administered through NSFM
- Promotion of coastal related projects for more public awareness

Timelines: Year 1 (Short), Year 2 (Medium), Year 3 (Long)



Aligning Resources with Coastal Protection

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Action 13. Continue creating departmental adaptation strategies (Ongoing)

- Supports departments in incorporating climate action in the services they offer Nova Scotians and municipalities

Action 14. Re-evaluate the cap on disaster relief funding (Medium Term)

- Discourage repeated building in at-risk locations while considering income, hardship, and equity.
- Align with new federal guidelines being announced in April 2024 to be enacted in April 2025

Action 15. Consideration of coastal hazard information as qualifier for funding (Medium Term)

- Supports long-term sustainability of infrastructure
- Initial work will include developing guidance documents
- This will not have immediate effect on municipalities

Timelines: Year 1 (Short), Year 2 (Medium), Year 3 (Long)



THE FUTURE OF NOVA SCOTIA'S COASTLINE

A plan to protect
people, homes and nature
from climate change



• FEBRUARY 2024

• NOVA SCOTIA / CANADA

• NOVASCOTIA.CA



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Resources

- ▶ Website <https://novascotia.ca/coastal-climate-change>
- ▶ Plan <https://novascotia.ca/coastal-climate-change/docs/coastline-plan.pdf>
- ▶ Coastal Hazard Map <https://nsgi.novascotia.ca/chm>
- ▶ Resource Guide <https://novascotia.ca/coastal-climate-change/docs/safeguarding-coastal-property.pdf>
- ▶ Email/ Phone number of Navigator coastalnavigator@novascotia.ca, 1-888-570-4240
- ▶ Climate Plan [ns-climate-change-plan.pdf \(novascotia.ca\)](https://novascotia.ca/ns-climate-change-plan.pdf)
- ▶ EGCCRA <https://nslegislature.ca/sites/default/files/legc/statutes/environmental%20goals%20and%20climate%20change%20reduction.pdf>
- ▶ Provincial Climate Change Risk Assessment <https://climatechange.novascotia.ca/climate-impacts>
- ▶ Sustainable Communities Challenge Fund <https://nschallengefund.ca>