Climate Action and Waste: Perspective from the NS Climate Change Plan

CLIMATE PLAN AND STRATEGIC ACTION

PRESENTATION TO DIVERT NS | MARCH 25, 2024



What is the Climate Change Plan?

- ▶ The Climate Change Plan for Clean Growth is the result of a whole-of-government, coordinated, collaborative approach to climate action.
- The Plan is a legislated requirement under the Environmental Goals and Climate Change Reduction Act (EGCCRA) and outlines 68 actions to be taken over five years by 13+ departments and agencies across the Provincial government
- High-level Goals:
 - Address the need to respond to climate impacts and to reduce emissions.
 - Position Nova Scotians to capitalize on opportunities in the growing clean economy.
 - ✓ Build on existing successes, introduce new tools/initiatives, and coordinate action to accelerate progress towards sustainable prosperity.



Climate Change Plan: Action Areas











Intersections of Climate Plan and Waste

- Right now, direct links between actions in the Climate Plan and waste management or circular economy are limited.
 - Both circular economy goals and climate goals are addressed in the Environmental Goals and Climate Change Reduction Act (EGCCRA), so the lenses of climate and circular economy are consistent.



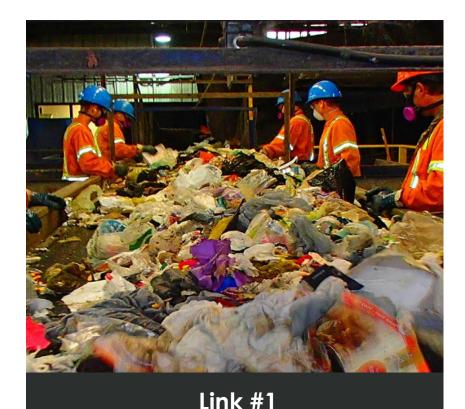
The Climate Plan will be renewed by 2027.

There is opportunity to make stronger connections in the future.



Four Ways Climate Actions Link to Waste





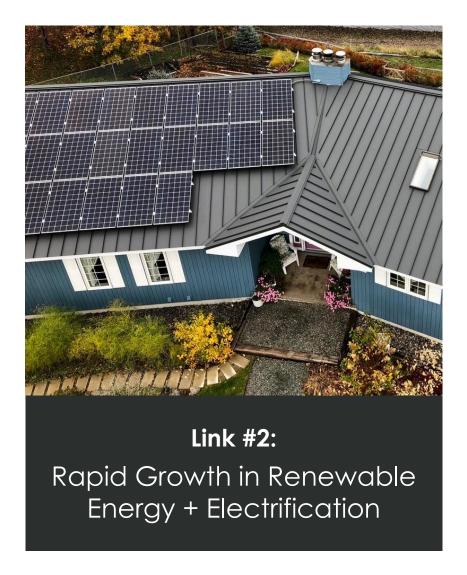
Responding to the Impacts of (and Impacts to) Municipal Infrastructure

Actions:

- ▶#1: Build on the research findings of the climate change risk assessment to better understand the risks identified and research important data gaps
- ▶#53: Provide funding through programs like Sustainable Communities Challenge Fund to support municipalities to respond to their climate change priorities
- ▶#54: Provide funding to help communities complete clean energy projects (LCC, HCi3)
- >#63: Invest in new clean technology research (ECT)

<u>Climate Plan offers opportunities</u> to inform investments to reduce operating emissions and mitigate future impacts on infrastructure.



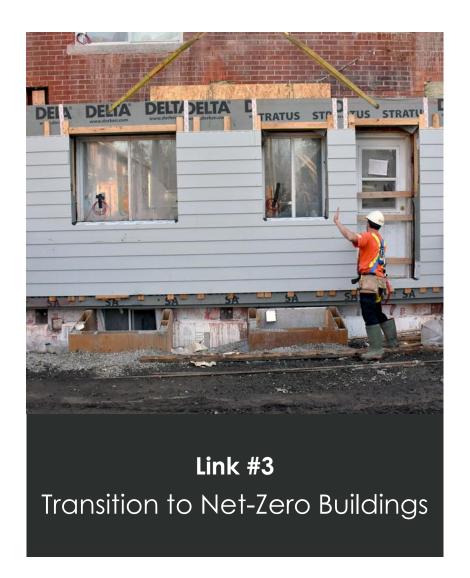


Actions:

- >#18: Build at least 500MW of new local renewables by 2026 and an additional 50 MW of new community solar
- >#19: Provide funding for farms and other businesses to adopt solar
- >#20: Research battery technologies
- ▶#35-37: Increase electric vehicle charging stations, number of zero-emissions personal vehicles and e-bikes, and zero-emissions medium, heavy duty- and marine vehicles

<u>Climate Plan actions may create opportunity/need</u> to find new ways to manage and circulate increased electronic waste related to renewables and electrification.





Actions:

- >#26: Retrofit 60,000 homes by 2030 to reduce homeheating oil use by 20%.
- >#31: Support construction and renovation of net-zero residential buildings, including net-zero affordable buildings
- >#27: Provide energy efficiency upgrades to more lowincome households
- ▶#33: Require all new government buildings and major retrofits entering planning stages after 2022 to be netzero energy ready and climate resilient

Opportunity/need to reduce construction waste and use products with lower embodied carbon emissions to transition to net-zero buildings.





Increased Access to Climaterelated Information, Training and Education

Actions:

- >#1: Build on research findings of the climate change risk assessment
- #11: Raise awareness of climate risks and adaptation priorities across Nova Scotia through public education and engagement on the risk assessment
- >#45: Support youth centered climate actions and learn from youth in new advisory committee
- >#48: Support youth education by updating school curriculums
- >#49: Increase representation of racialized and Indigenous workers in the energy efficiency and clean technologies sector

Opportunity to link waste management interests to climate/environmental priorities in more venues.



Resources

- EGCCRA legislation
- Climate Risk and Well-Being Assessment
- Climate Change Plan
- Annual Report and Appendices

Thank you!

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