



MUNICIPALITY OF NORTH GRENVILLE

MAYOR'S TASKFORCE ON CLEAN TECHNOLOGY MEETING AGENDA

Monday, October 21, 2024, 2:00 p.m. - 4:00 p.m.

Held in Meeting Room 1, 285 County Road 44

Pages

A. Open Meeting

B. Land Acknowledgement

The Municipality of North Grenville acknowledges that the Municipality operates on the territory of the Anishnabek.

We recognize all First Nations, Métis, and Inuit peoples who now call North Grenville their home. We respect and support the need for cultivating a strong relationship, and we commit to Indigenous-informed decision making to foster the path towards reconciliation.

C. Approval of the Agenda

D. Disclosure of Interest

E. Approve Minutes of Previous Meeting

1. Committee Meeting Minutes - September 16, 2024

1

F. Delegations

1. Federation of Canadian Municipalities (FCM) Opportunities

*Susan Smith, Municipality of North Grenville - Funding and Grants
Research Analyst*

2. Community Futures Grenville

Seeking the Task Force's advice on business needs in the Clean Technology sector.

Katie Nolan, Community Futures Grenville - Executive Director

3. Compostable Yard Waste Program

Mike Finley, Municipality of North Grenville - Director of Public Works

G. Decision Items

H. Correspondence/Information Items/Reports

1. Upcoming Delegation - Janice Ashworth

Janice Ashworth has requested that the Task Force prepare a framework of topics that are within the Task Force's interest for her upcoming delegation. She has agreed to share her personal ideas and opinions as part of her delegation to the group.

2. Clean Air Partnership - Delegation Materials

5

Correspondence, no action required.

3. Resolution to Join FCM-ICLEI Partners for Climate Protection Program - UPDATE

16

Correspondence, no action required.

4. Potential European Green Initiatives

18

Nadia Diakun-Thibault

5. Sustainable North Grenville - Draft Table of Contents, Climate Action Plan

32

Greg Lane

I. Other Business

1. Items for Upcoming Meetings

1. Delegation - Janice Ashworth (TBD)
2. Delegation - Christina Guido, Town of Caledon (TBD)
3. Task Force Interim Report to Council (November 18, 2024)
4. Green Tech, Green Technology or Nature-based Solutions Discussion Paper (November 18, 2024)

Nadia Diakun-Thibault

5. Clean Technology Company Attraction (November 18, 2024)

James McNeil

J. Public Questions

K. Adjournment



MUNICIPALITY OF NORTH GRENVILLE
MAYOR'S TASKFORCE ON CLEAN TECHNOLOGY MINUTES

September 16, 2024, 2:00 p.m. - 4:00 p.m.
Held in Meeting Room 1, 285 County Road 44

MEMBERS PRESENT Councillor Deb Wilson
Greg Lane
Cholly Boland
James McNeil
Wayne Brown
Kevin Willey
Shawn Carnegie
Nadia Diakun-Thibault
Mayor Nancy Peckford
Matt Gilmer, Manager of Economic Development & Tourism

STAFF PRESENT Chloe Preston, Municipal Clerk
Mary Remmig, Deputy Clerk

OTHERS PRESENT Gaby Kalapos, Clean Air Partnership
Bruce Enloe, Executive Assistant to the Mayor

A. Open Meeting

Mayor Nancy Peckford called the meeting to order at 2:06 p.m.

B. Land Acknowledgement

The land acknowledgement was read by Councillor Deb Wilson.

C. Approval of the Agenda

The agenda was accepted by the Task Force as presented.

D. Disclosure of Interest

None at this time.

E. Delegations

Gaby Kalapos of the Clean Air Partnership delivered a presentation to the Taskforce.

Mayor Nancy Peckford asked where the Clean Air Partnership has seen municipalities leverage certain technologies.

Gaby Kalapos noted that each municipality is being strategic in finding its own avenue. She advised that implementation of a Climate Action Plan will be a critical guiding document in this regard.

Mayor Nancy Peckford asked if Clean Air Partnership supports municipalities in pursuit of funding.

Gaby Kalapos confirmed. She recommended the municipality have a Climate Action Plan as a minimum to reach a state of readiness for assistance.

James McNeil gave an overview of the Better Homes Ottawa program and explained how it is like a levy.

Gaby Kalapos noted that municipalities are trying to advance green initiatives by creating green development standards for new developments.

Mayor Nancy Peckford asked if Gaby Kalapos has found a community that has had success with green infrastructure implementation.

Gaby Kalapos noted stormwater management as another opportunity municipalities are focusing on.

Greg Lane asked about taxation for privately owned and maintained forests.

Gaby Kalapos advised that, to her knowledge, privately managed forests on private lands could be taxed to some degree.

Mayor Nancy Peckford thought 2025 would be a good target to implement a Climate Action Plan. She suggested recommending a sustainability framework to Council. In her opinion, this is an area where North Grenville is underdeveloped.

Mayor Nancy Peckford asked about the arrangements for delegations from Caledon and Ottawa to assist with a path forward.

Municipal Clerk, Chloe Preston advised that responses had not yet been received.

James McNeil suggested delegations from Better Buildings Ottawa.

Wayne Brown suggested providing a framework to speakers of what the group would like to discuss with them.

Mayor Nancy Peckford agreed to contact Caledon for a delegation in November 2024.

Municipal Clerk, Chloe Preston suggested reserving the November meeting as a starting date for the Task Force's interim report which is due to Council January 2025.

1. Clean Air Partnership

F. Decision Items

1. Approve Minutes of Previous Meeting

Municipal Clerk, Chloe Preston, advised that the Senior Management Team is reviewing the Task Force's recommendation respecting the Partners for Climate Protection (PCP) program to determine the appropriate staff contact to plug into the resolution.

Moved By Shawn Carnegie

Seconded By Wayne Brown

Be it resolved that:

The minutes of the Mayor's Task Force on Clean Technology meeting minutes on August 26, 2024 approved as circulated.

CARRIED

1. Committee Meeting Minutes - August 26, 2024

G. Correspondence/Information Items/Reports

1. Compostable Waste Project

Shawn Carnegie advised of the City of Ottawa and Pembroke programs. He advised that there was a compost drop off with the Ferguson Forest Centre at one time. He would like the municipality to review options to implement a program similar to the Ottawa Valley Waste Recovery Centre.

Mayor Nancy Peckford confirmed that Task Force would like the Director of Public Works to discuss other municipal programs, a potential site in North Grenville to host a program and a baseline program which could be built upon.

2. Potential European Green Initiatives

Nadia Diakun-Thibault, the initial proponent of this item, could not speak to this item at the time of the meeting. This item will be deferred until October 2024.

3. Resilient Caledon - Community Climate Action Plan

Mayor Nancy Peckford confirmed she will pursue Christina Guido at the municipality of Caledon to delegate at a future meeting of the Committee to discuss their Climate Action Plan.

H. Other Business

1. Items for Next Meeting

Shawn Carnegie asked about Official Plan consultation with the Task Force.

Mayor Nancy Peckford noted that all members of the Task Force sit on other Committees of Council.

Nadia Diakun-Thibault suggested her review of Municipal By-laws and Policies in order to identify inhibitors to be addressed through guiding policies for green initiatives.

Mayor Nancy Peckford thought that this is where the framework from a Climate Action Plan would come in. The Plan should help identify any new policies needed and any policy updates.

Municipal Clerk, Chloe Preston advised on the purpose of the Task Force including developing recommendations to Council to move forward on clean technology initiatives within the community. One of the recommendations could be to implement an Advisory Committee to advise on the clean technology initiatives and the preparation of a Climate Action Plan.

Greg Lane volunteered to assist with drafting the Task Force's interim report.

1. Delegation - Community Futures Grenville (October 21, 2024)
2. Compostable Yard Waste Project (October 21, 2024)
3. Delegation - City of Ottawa Climate Change Unit (TBD)
4. Clean Air Partnership - Delegation Debrief (October 21, 2024)

I. Public Questions

None.

J. Adjournment

Moved By Shawn Carnegie

Seconded By Deb Wilson

Be it resolved that:

The meeting be adjourned at 3:52 p.m.

CARRIED



Municipal Opportunities to Address Fossil Fuel Subsidies

Presenter: Gabriella Kalapos,
Executive Director, Clean Air
Partnership



Municipalities and Climate Change



Municipalities are exposed to significant costs from climate change.

Protecting residents and public infrastructure from extreme weather

Eliminating emissions from corporate assets

Supporting community emissions reductions

These actions are necessary to meet Federal, Provincial, and Municipal climate targets



Fossil fuels are proven to be the main cause of climate change



British Columbia

- Municipalities can elect to charge an operating fee of their choice,
- Kelowna, Highlands, Nanaimo, and Nelson charge **3%** of all gas revenues.

Alberta

- Municipalities authorized to enter into franchise agreements with utilities in return for exclusive rights to provide a service within the municipality. The **fees can be up to 35% of delivery revenues** to compensate the City for direct costs, restrictions on planning and development due to utility rights of way, as well as inherent risks related to utility access.
- Edmonton charges **32.9%**, which represents **\$60M**, or 5.3% of the City's annual operating revenues (\$61/capita)

Saskatchewan

- All urban municipalities have authority to implement a **5% access fee** to gas utilities in exchange for municipalities giving up the right to establish their own natural gas distribution systems
- Regina earns **\$5.6 million** annually (\$24/capita)

Manitoba

- Winnipeg has a Charter that authorizes them to implement sales taxes
- **2.5% sales tax on natural gas** for domestic purposes and **5%** for other than domestic purposes = **\$22M**, (\$29/capita)

Nova Scotia

- Halifax receives an access fee of 2% of the total natural gas revenues

1. Model Franchise Agreement Amendment Request



Request

- Minister direct MMAH to remove O.Reg 584
- Minister direct OEB to review the model franchise agreement and include payments for the use of municipal ROW
- 5% of revenues is proposed
- Amend section 101 to remove the ability for gas utilities to abandon old equipment in the ROW

Rationale

- Catch up with the rest of Canada
- Municipalities are encumbered and exposed to risk by gas infrastructure
- Municipalities are at forefront of delivering combined emissions reduction programs for those not benefiting from utility programs
- District energy utilities are charged access fees for Right of Way space
- As demand for space in the right of way increases, abandoned gas lines increasingly burden necessary public services (telecom, district energy, etc.)

2. Pipeline Taxes



Rationale to change the allowed assessment rate for pipelines:

- Pipelines should be at least the same tax rate as industrial

Ontario municipalities can charge property taxes on pipelines

- Rate can be less than residential rate
- Ex. Ottawa earns \$5M/year currently

Table 3.2

RANGES OF FAIRNESS	
Property Class	Range
Residential	1.00
Multi-Residential	1.00 – 1.10
New Multi-Residential	1.00 – 1.10
Commercial	0.60 – 1.10
Office	0.60 – 1.10
Shopping Centre	0.60 – 1.10
Parking Lots/Vacant Land	0.60 – 1.10
Professional Sports Facility	0.001 – 1.10
Industrial	0.60 – 1.10
Large Industrial	0.60 – 1.10
Pipeline	0.60 – 0.70
Farm	up to 0.25
Managed Forests	0.25

3. Costs of Pipelines in the ROW



Operations Pipeline Costs

- Additional costs to work around pipelines in ROW
 - Difficult to decipher. Are any municipalities calculating this?

Abandoned Pipelines Removal Costs

- Rationale: OEB acknowledges that pipelines will be abandoned in next 10-20 years. Gas utilities are allowed to abandoned pipelines in the ROW.
- Under roadways and railways, pipeline space should be filled to prevent ground shifting
- Resources required
- Value of salvaged material
- Extent of remediation and reclamation work required
- Ongoing monitoring
- Legal costs



- Natural gas or gasoline rates may increase
- Municipalities will use the revenues to cover costs of energy efficiency programs for vulnerable residents to help them reduce their dependence on fossil fuels



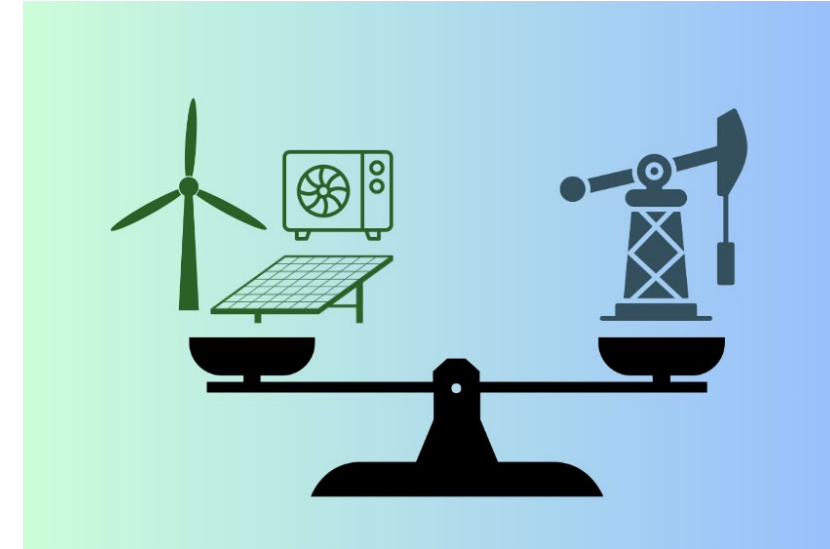
- Ontario Climate Caucus Information on fossil fuel subsidy forcing municipalities to not charge Enbridge for use of municipal ROW.
- <https://guides.co/g/ontario-climate-caucus-hub/387042>



- **Helps understand and compare potential options for meeting our energy needs.**
- **Providing opportunity to compare options rather than just doubling down of energy systems of the past.**

Advancing deeper energy efficiency opportunities.

- Comparison of costs re: fossil fuel use, geo-exchange, heat pumps, efficiency improvements, renewable energy, storage.
Both up-front and operating costs.
- Identification of pros and cons, and costs and benefits associated with each of these scenarios, and the development of an objective decision matrix for comparison
- The application of different lenses to these decisions, including resilience, climate, economic, social, market transformation, etc.



Example of Energy Decision Matrix Use



For example: Lets take the expansion of the natural gas system in Ontario

Phase 2: \$234 million for 8,750 connections. Comes to \$26,742 per connection

Estimated to save customers an estimated \$250-\$1500 per year (\$2.2 million - \$13 million)

At \$250/year that comes to a 106 years pay back; and at \$1500/year a 17 year pay back.

Subsidized on the Ontario wide rate base, estimated at \$1 per month from ALL natural gas customers - not just those within those newly connected communities. This is another example of a fossil fuel subsidy.

How might have efficiency, geothermal, heat pumps, net metering, etc. compared re costs and benefits of reducing electricity costs for these customers?



Fossil Fuel Route

- Fossil Fuel Furnace 5 – 7 K
- Fossil Fuel Hot Water Heater 1.3 – 3 K
- Air Conditioner 4.2 – 6 K
- **Range = 10.5 – 16K**
- (no savings re infrastructure costs)

Fossil Fuel Subsidies

- OEB New Developments subsidy \$4,800 (rate base)
- Natural Gas Expansion Program Phase 2 Subsidy - \$ 26,000 Infrastructure cost (rate base)
- Free Use of Municipal Right of Way (municipal property taxes)

No fossil fuel/All Electric

- CC ASHP 12 – 18 K
- Electric Hot Water Heater 1.5 – 2.5 K
- **Range = 13.5 – 20.5 K**
- **GSHP 18 - 30 K**

Agenda Number: L.2.
Resolution Number C-2024-298
Title: Mayor's Task Force on Clean Technology - Resolution to Join the FCM-ICLEI Partners for Climate Protection Program
Date: Tuesday, October 1, 2024

Moved by Deb Wilson
Seconded by Kristin Strackerjan

WHEREAS The Federation of Canadian Municipalities (FCM) and ICLEI–Local Governments for Sustainability (ICLEI Canada) have established the Partners for Climate Protection (PCP) program to provide a forum for municipal governments to share their knowledge and experience with other municipal governments on how to reduce GHG emissions;

WHEREAS over 350 municipal governments across Canada representing more than 65 per cent of the population have already committed to reducing corporate and community GHG emissions through the PCP program since its inception in 1994;

WHEREAS the PCP program is based on a five-milestone framework that involves completing a GHG inventory and forecast, setting a GHG reduction target, developing a local action plan, implementing the plan, and monitoring progress and reporting results;

BE IT RESOLVED that the municipality of North Grenville review the guidelines on PCP Member Benefits and Responsibilities and then communicate to FCM and ICLEI Canada its participation in the PCP program and its commitment to achieving the milestones set out in the PCP five-milestone framework;

BE IT FURTHER RESOLVED that the municipality of North Grenville appoint the following:

Corporate staff person: Matt Gilmer

Manager of Economic Development

613-258-9569 ext. 153

ecdev@northgrenville.on.ca

Elected official: Nancy Peckford

Mayor

613-258-9569 ext 184

npeckford@northgrenville.on.ca

to oversee implementation of the PCP milestones and be the points of contact for the PCP program within the municipality.

CARRIED

Mayor



European Union Green Initiatives

“A model for the Mayor’s Task Force on Green Tech, Municipality of North Grenville, towards an economic development future that is ecologically sustainable, responds to the needs of the community, and is founded on sound governance principles.”
– a proposal for discussion



EU Initiatives

The European Union has implemented numerous green initiatives as part of its commitment to environmental sustainability and combating climate change.



European Green Deal Climate-Neutral Europe by 2050

- **Fit for 55 Package:** A set of proposals to revise climate, energy, and transport legislation to align EU laws with climate goals, aiming to reduce net greenhouse gas emissions by at least **55%** by 2030 compared to 1990 levels.
- **European Climate Law:** This regulation turns the political ambition of reaching climate neutrality by 2050 into a legal obligation for the EU.
- **Biodiversity Strategy for 2030:** Aims to protect and restore nature in the EU, including planting **3 billion** new trees by 2030.
- **Just Transition Fund:** Provides support to regions dependent on fossil fuels to alleviate the social and economic costs of the green transition.



European Green Deal

Circular Economy Action Plan - Sustainable Resource/Products

Farm to Fork Strategy:

This strategy aims to make food systems more sustainable, ensuring food security while reducing the environmental impact of food production.

Energy Initiatives:

Repower EU Plan: Aims to rapidly reduce dependence on Russian fossil fuels and fast forward the green transition.

EU Hydrogen Strategy: Promotes the development and use of clean hydrogen to decarbonize various sectors.

Transport Initiatives:

The EU has proposed targets for zero emissions for new city buses by 2030 and a **90%** emissions reduction for new trucks by 2040.

Sustainable Finance:

The EU has introduced initiatives on sustainable finance, including taxonomy on green investments and rules on green bonds.

Nature Restoration Law:

This law sets binding restoration targets at the EU level, requiring member states to implement measures to recover at least **20%** of the EU's land and sea areas by 2030.

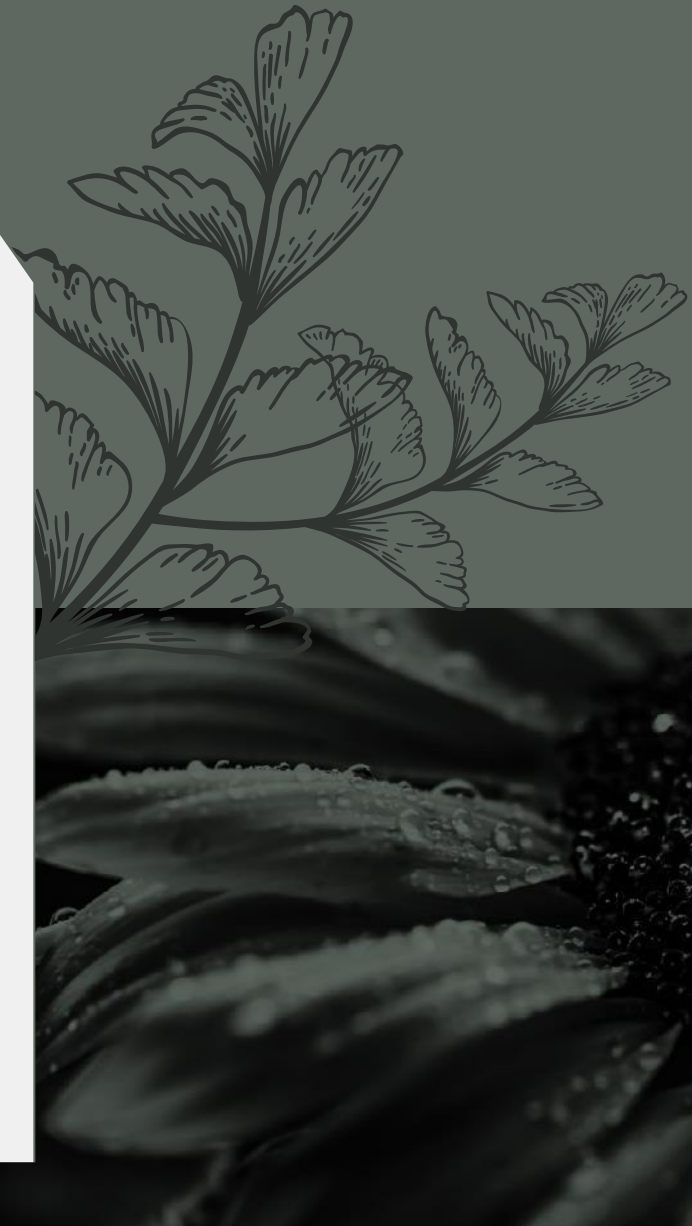
European Biodiversity Strategy (1)

2030

Protected Areas Expansion

The strategy aims to:

- Legally protect at least **30%** of the EU's land area and **30%** of its sea area by 2030.
- Strictly protect at least one-third of these protected areas, representing **10%** of EU land and **10%** of EU sea.
- Create ecological corridors as part of a Trans-European Nature Network to prevent genetic isolation and allow species migration.

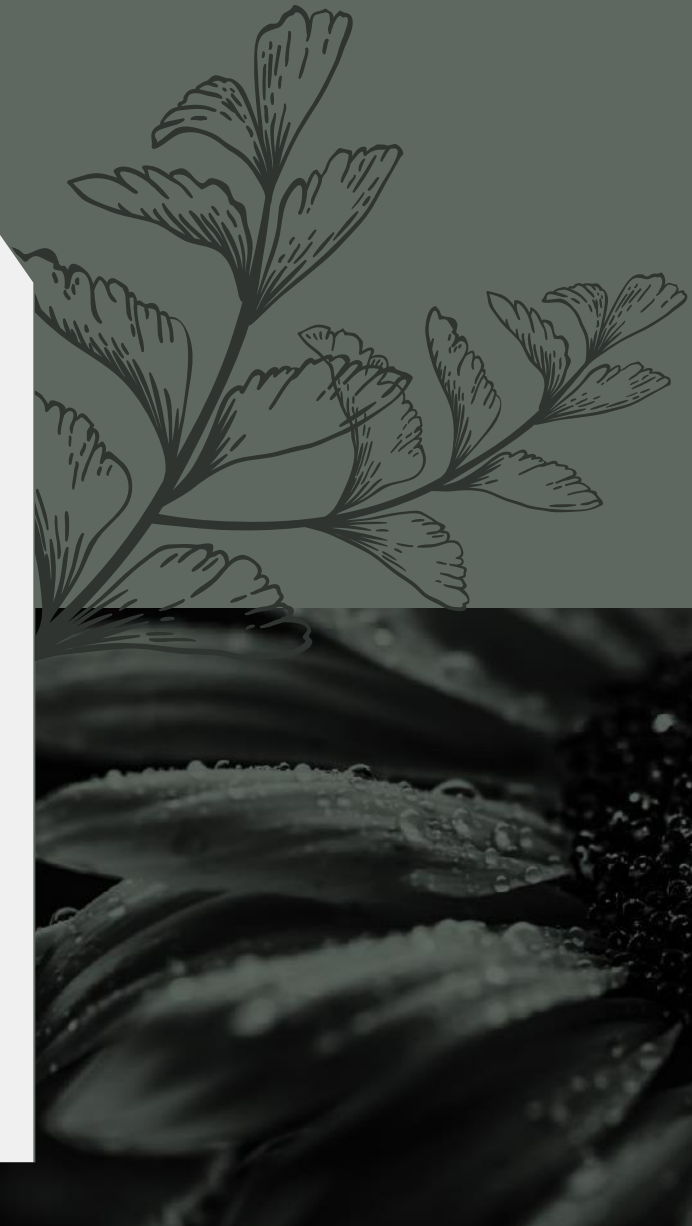


European Biodiversity Strategy (2) 2030

Nature Restoration

The strategy includes:

- An EU Nature Restoration Law with binding restoration targets.
- Commitments to restore degraded ecosystems, particularly those with high carbon storage and natural disaster prevention potential.
- Reducing the use and harmfulness of pesticides.

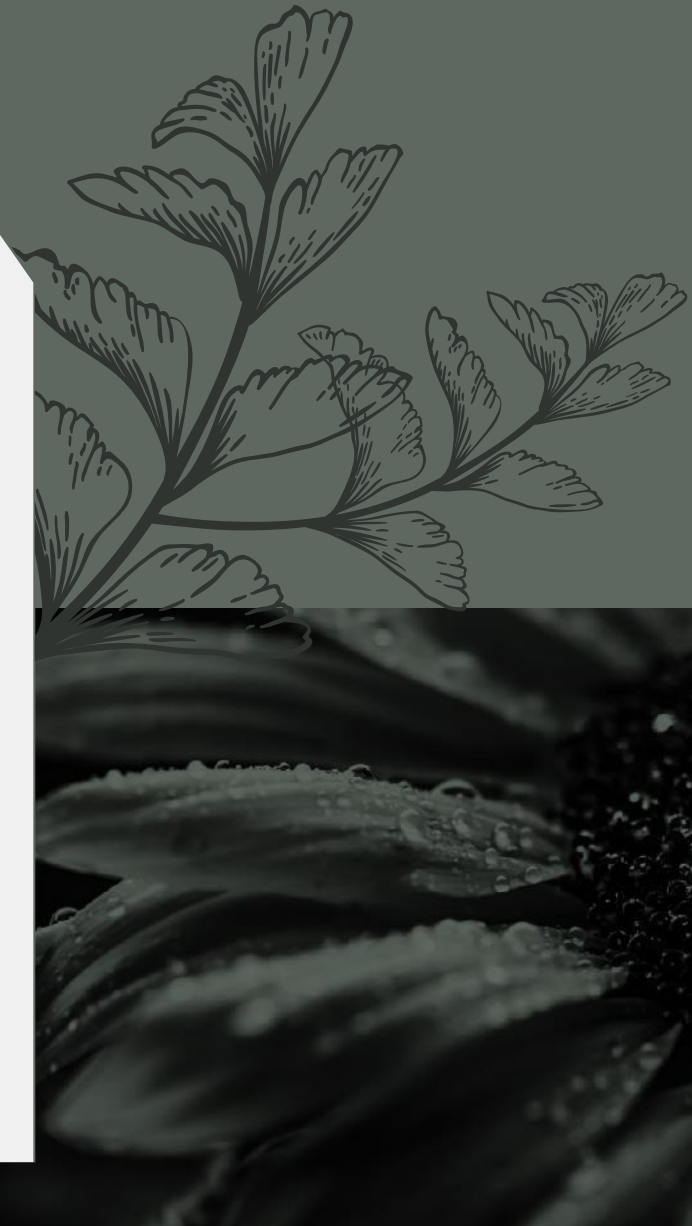


European Biodiversity Strategy (3) 2030

Transformative Change

The strategy focuses on:

- Strengthening the EU biodiversity governance framework.
- Improving knowledge, financing, and investments in biodiversity.
- Better integrating biodiversity considerations into public and business decision-making.

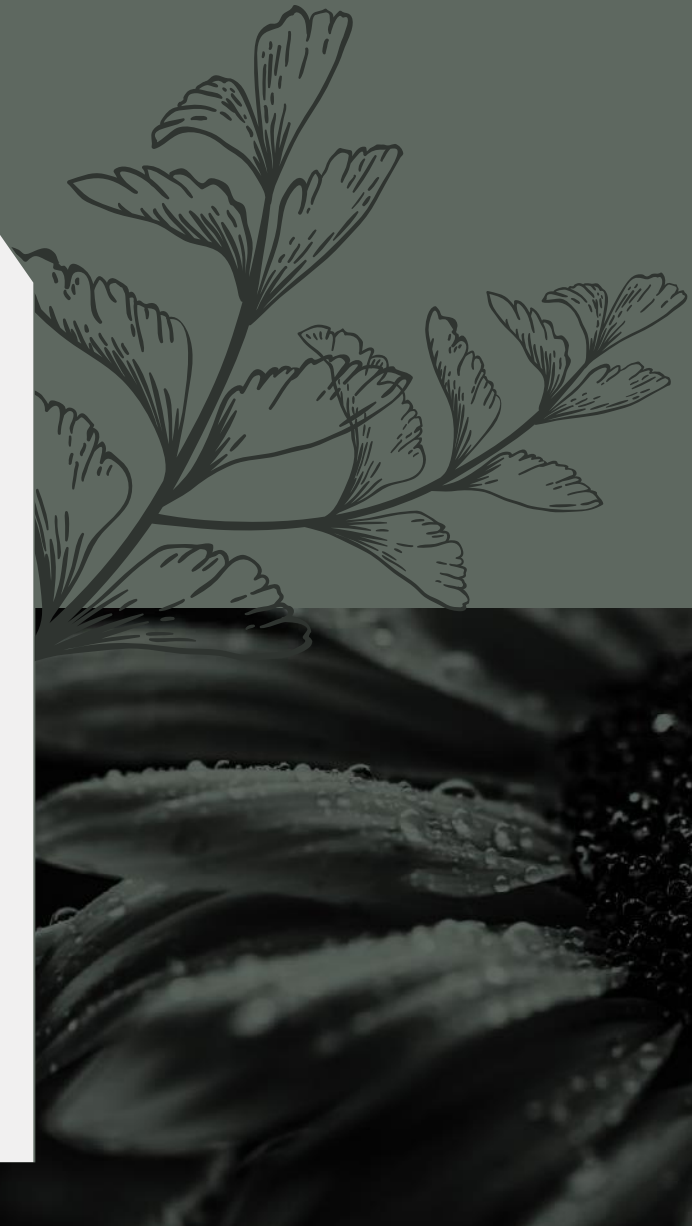


European Biodiversity Strategy (4) 2030

Global Leadership

The EU aims to:

- Lead by example in addressing the global biodiversity crisis.
- Support the adoption of an ambitious global biodiversity framework under the Convention on Biological Diversity.
- Deploy EU external actions to raise global ambition for biodiversity protection.



European Biodiversity Strategy (5) 2030

Implementation and Monitoring

The strategy includes:

- An online actions tracker to provide up-to-date information on implementation progress.
- A targets dashboard to show progress on quantified biodiversity targets at EU and Member State levels.
- A requirement for Member States to demonstrate significant progress in designating new protected areas by the end of 2023.

These initiatives collectively aim to put Europe's biodiversity on a path to recovery by 2030, supporting climate change mitigation, economic recovery, and long-term ecological resilience.



Reference Links - EU

https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal_en

<https://www.urban-initiative.eu/innovative-actions-greening-cities>

<https://www.consilium.europa.eu/en/policies/green-deal/>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8742565/>

https://european-union.europa.eu/priorities-and-actions/actions-topic/environment_en

<https://www.sciencedirect.com/science/article/pii/S0962629823001038>

https://environment.ec.europa.eu/topics/circular-economy/green-claims_en

<https://www.nortonrosefulbright.com/en/knowledge/publications/c50c4cd9/the-eu-green-deal-explained>

Actions for North Grenville (Ecology) Preservation and Enhancement

Survey/Map

Ecology of NG: Forests, Green space, Agricultural land, Waterways, Built-up areas.

Analysis

Metrics and status NG ecology

Report Findings

January 2025 – Preliminary report



Actions for North Grenville (Green Tech EcoDev Potential)

Survey/Map

Technologies currently available in NG
Technologies to attract to NG

Analysis

Metrics and status NG Green Tech Profile
Metrics and projection - future

Report Findings

January 2025 – Preliminary report



Actions for North Grenville (Provincial/Federal)

Survey/Map

Provincial Funding
Federal Funding

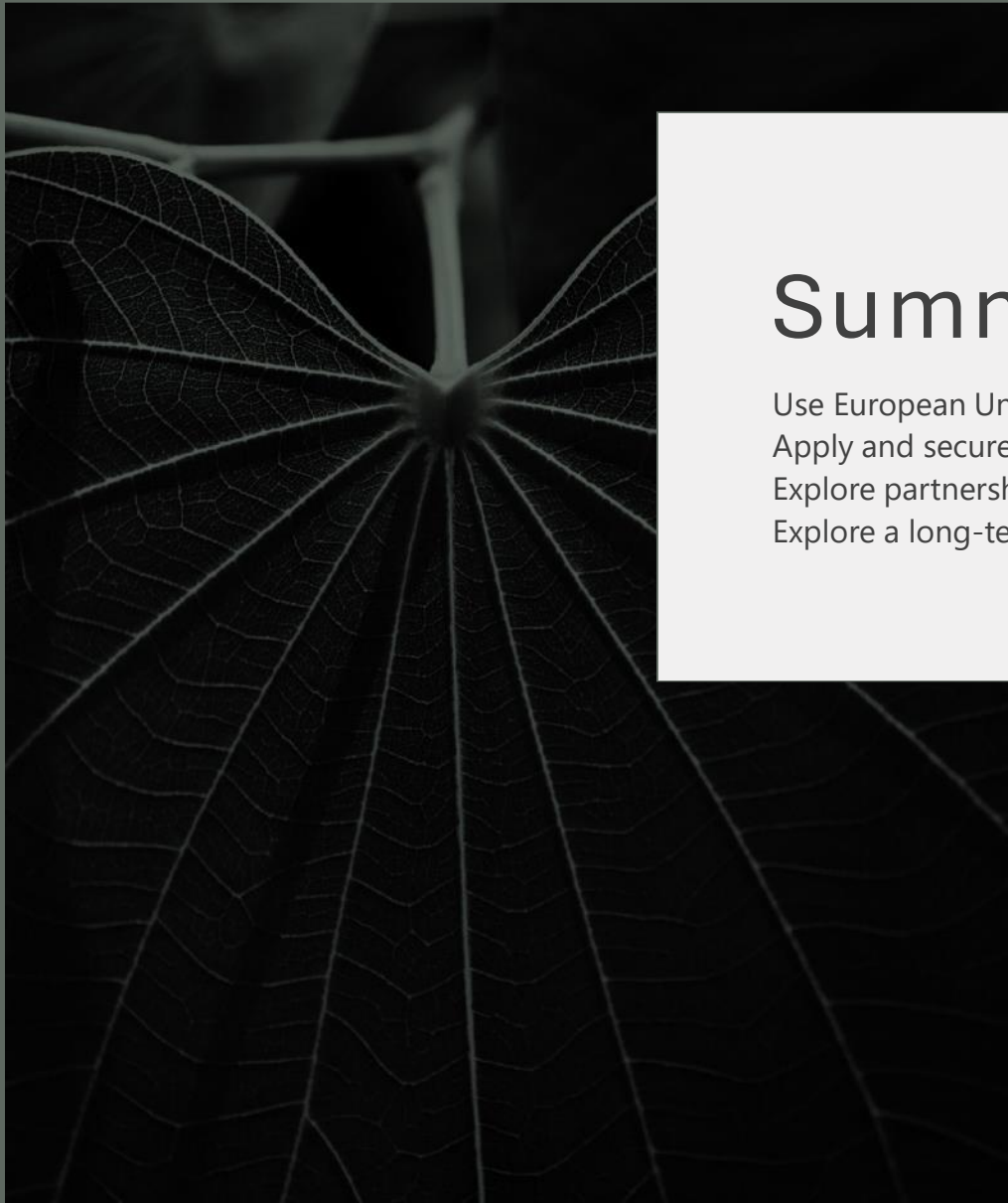
Analysis/Applications

Task Force Recommendations for
immediate action

Report Findings

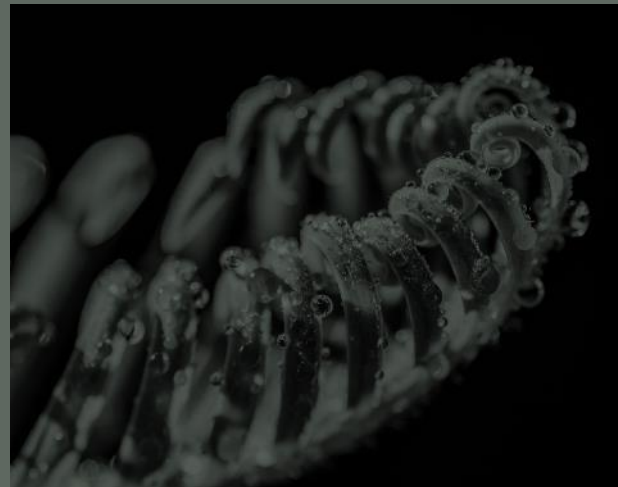
January 2025 – Preliminary report





Summary

- Use European Union initiatives and programs as a baseline model
- Apply and secure Federal and Provincial Funding (as available)
- Explore partnerships with companies in Green Tech and Nature-Based Solutions
- Explore a long-term plan for North Grenville a Municipally-wide "reimagining"



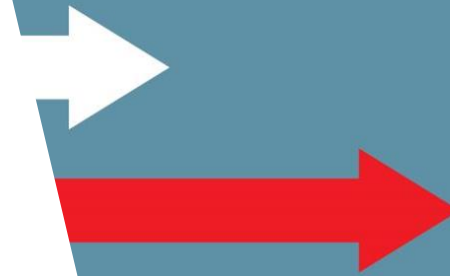
Sustainable North Grenville

N G Climate Action Plan essential elements should include:

- define clear climate action goals
- reduce embodied carbon
- promote a green economy
- promote green tech
- promote and incorporate nature-based solutions
- begin action with climate justice.

1. Clear Emission Reduction Targets

- Set measurable goals, such as net-zero by 2050, to guide long-term and short-term actions.



A collection of white, 3D-rendered house models of various sizes and shapes, scattered across a white, reflective surface. The models are simple, boxy structures with gabled roofs. The lighting creates soft shadows on the surface. The background is a light green gradient with abstract geometric shapes.

2. Adaptation and Resilience Strategies

- Strengthen infrastructure and communities to withstand climate impacts like extreme weather, floods, and heatwaves.
- Incorporate Nature-based Solutions into the built environment.

3. Renewable Energy Transition

- ➔ Shift to clean energy sources such as solar, wind, and geothermal to reduce dependency on fossil fuels.





4. Energy Efficiency Initiatives

- ➔ Promote retrofitting buildings with energy-efficient technologies to reduce overall energy consumption.
- ➔ Require new-builds to incorporate Life Cycle Assessment tools in the design and materials selection phase, to enhance energy savings, sustainable materials, and reduced embodied carbon.

5. Sustainable Transportation

- Encourage the use of electric vehicles (EVs), expand public transit (electric or hydrogen), promote walking and cycling infrastructure.



6. Public and Stakeholder Engagement

- ▶ Engage citizens, businesses, and community organizations through education, incentives, and feedback channels.
- ▶ Provide research sources and materials for public education



7. Carbon Pricing and Economic Incentives

- ▶ Implement policies like carbon taxes and subsidies to drive green economic growth while reducing emissions.
- ▶ Reduce embodied carbon through support of sustainable construction practice.



8. Biodiversity and Nature-Based Solutions

- ▶ Protect natural ecosystems that act as carbon sinks, such as forests and wetlands, and implement urban greening.
- ▶ Use Nature-based Solutions to mitigate the effects of extreme weather.

9. Waste Reduction and Circular Economy

- Emphasize reducing, reusing, and recycling waste materials to lower environmental impact.
- Encourage repurposing and reusing building materials for other applications.



10. Climate Justice and Equity

- Ensure marginalized communities benefit from climate action and green jobs, promoting a just transition.
- Establish incentives and opportunities for local green industries.
- Support and fund innovative approaches that reduce embodied carbon.