

Going Green in Grey

Town of The Blue Mountains Council
September 26th, 2022



The Risks of Inaction...

On a global scale, the last five years have been the hottest on record since 1850 and Ontario is warming at a rate of 1.3 degrees per century. Without climate change action, this warming can lead to harmful effects in our community:

Increased health and safety risks from heat stress, disease and extreme weather

In Grey, Bruce and Huron: by 2050, we may see 20 more days each year when the temperature hits 30°C+

Poor air quality that reduces life expectancies and quality of life



Damage to homes, roads and critical infrastructure from extreme weather

In Grey, Bruce and Huron: the risk of heavy rainstorms will be twice as frequent by 2050

Species extinction and destruction of habitats



Conflict over resources such as food and water

Lack of clean, consumable water

In Grey, Bruce and Huron: drought can lead to low water levels

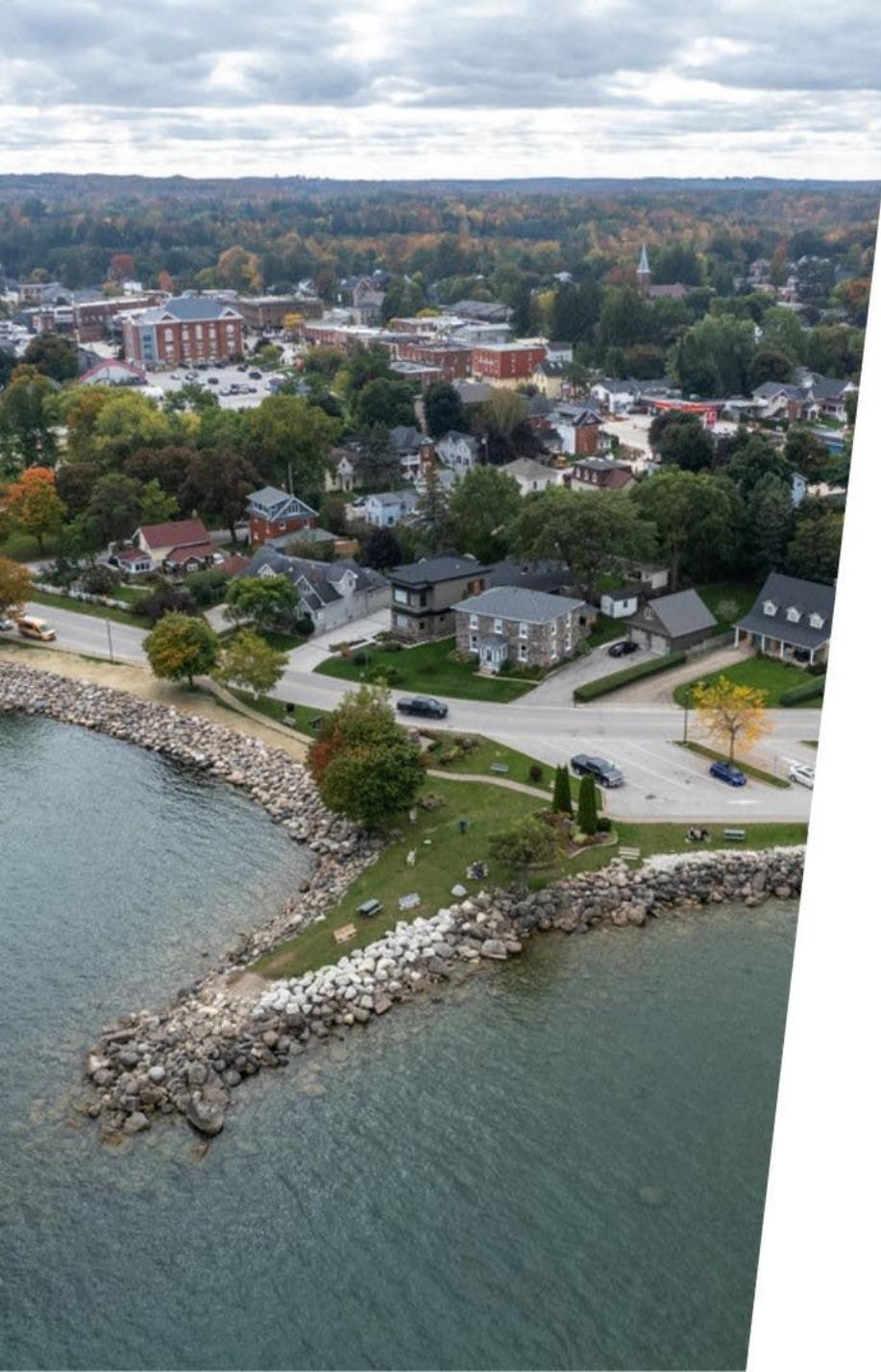
Increased water, energy and housing costs

Food shortages and increased prices

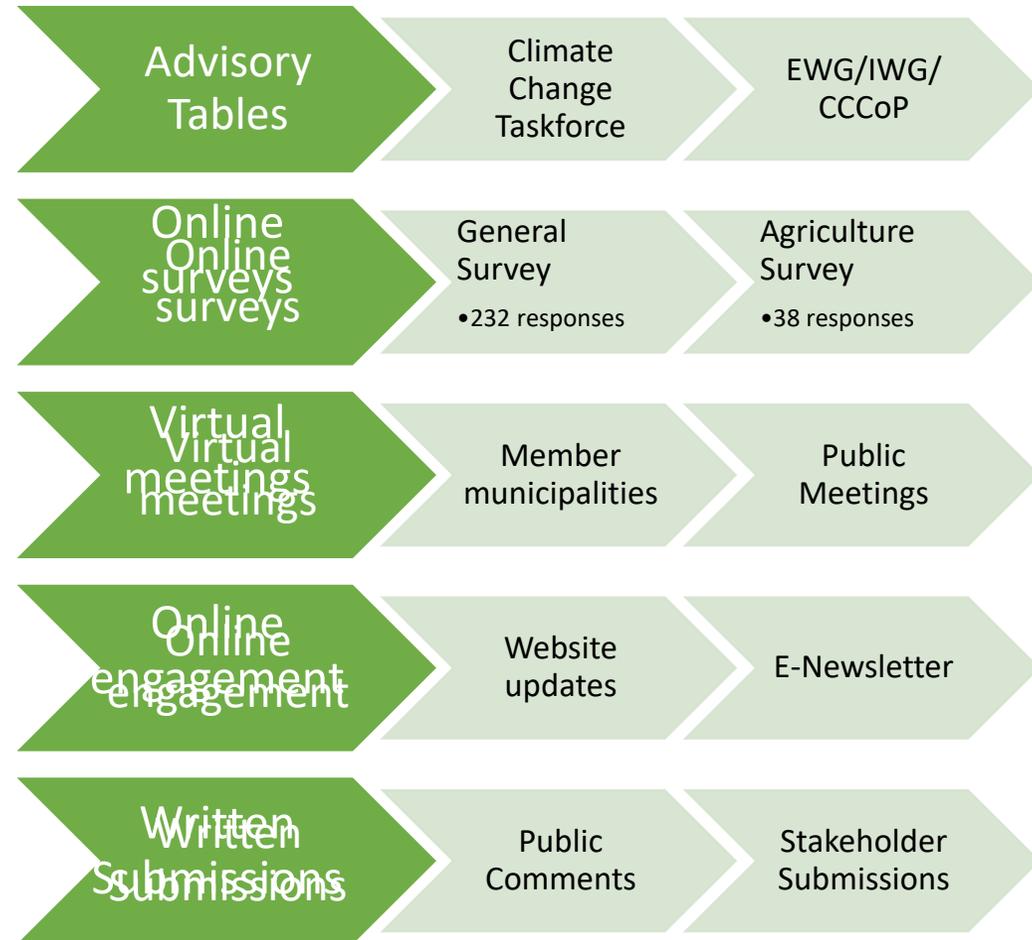
In Grey, Bruce and Huron: we may see delays in planting and harvesting from heavy rain and flooding

PCP 5 Milestone Framework





Engagement Activities



Engagement Findings

- 1. Set more ambitious targets, align with federal net-zero by 2050 target**
- 2. Pay more attention to nature-based solutions**
- 3. Create a clear prioritization of actions**
- 4. Treat plan as a “living document”**
- 5. Continue to improve data**
- 6. Show leadership**
- 7. Centre reconciliation in climate action**
- 8. Recognize that agriculture is a critical element of Grey County**
- 9. Leverage emerging energy innovation sector**
- 10. Consider lifecycle emissions**
- 11. Ramp up engagement, education, and communication**

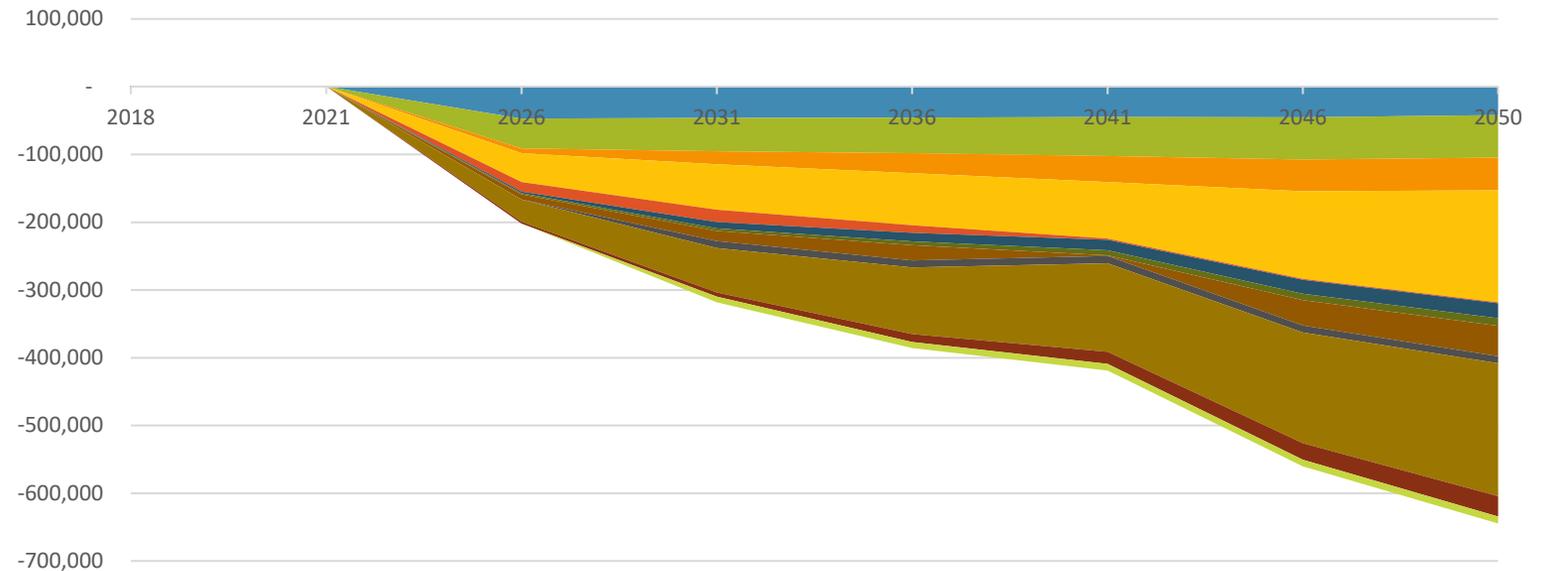
Grey County GHG Reduction Targets

Year	Community Target	Corporate Target
2026	15%	20%
2030	30%	40%
2035	50%	55%
2040	60%	70%
2045	75%	Net-Zero
2050	Net-Zero	

Community Actions

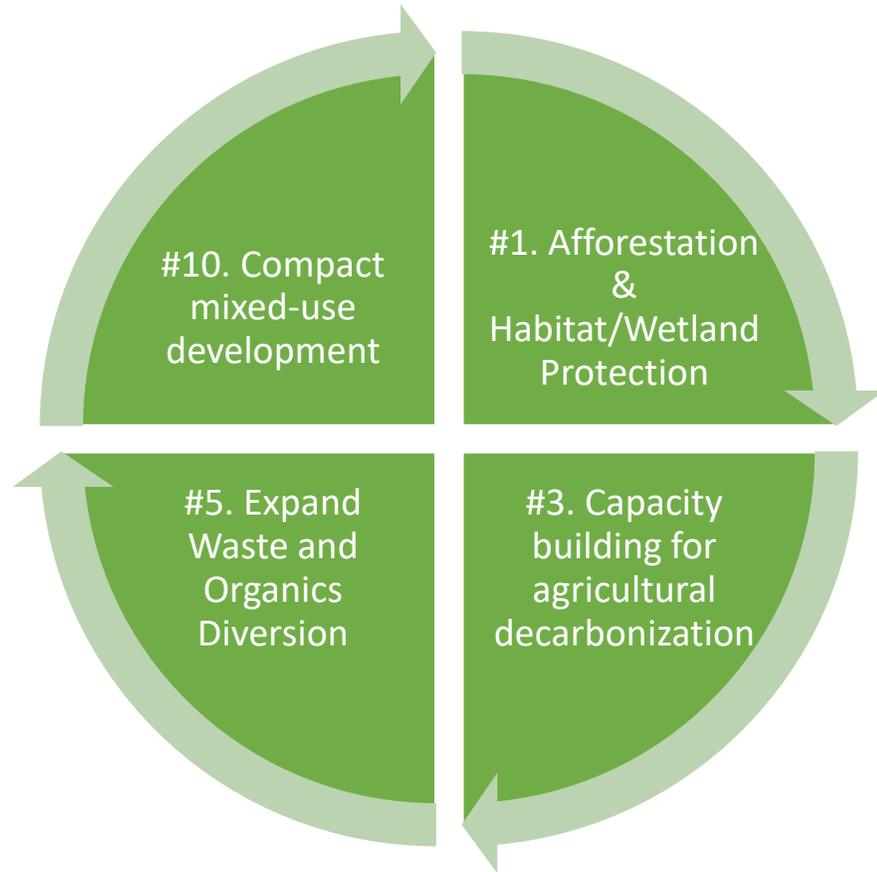
Action 1: Afforestation, Habitat and Biodiversity Protection	Action 2: Conservation and Protection of Wetlands	Action 3: Facilitate Ongoing Capacity Building in Sustainable Agricultural Best-Practices
Action 4: Continue to Promote Locally Grown Food	Action 5: Collaborate with Member Municipalities to Support Waste Diversion	Action 6: Support Re-Use/Re-Build It Centres and Programs
Action 7: Zero Emission Vehicle Adoption	Action 8: Active Transportation	Action 9: Rural Bus, Ride Share and On-Demand Transit Program
Action 10: Compact, Mixed-Use Development in Designated Settlement Areas	Action 11: Green Standard for New Buildings	Action 12: Residential Building Energy Efficiency Retrofit Program
Action 13: Institutional, Commercial, Industrial, Agricultural Building Energy Efficiency Retrofit Program	Action 14: Support Renewable and Emerging Energy Technologies	Action 15: Promote Biogas Capture and Conversion
Action 16: Develop Climate Adaptation Plan	Action 17: Reducing the Risk of Flooding	Action 18: Prevention of Shoreline Erosion
Action 19: Establish a Climate Action Engagement Program	Action 20: Promote Sustainable Tourism Programs & Incentives to Operators	Action 21: Establish a Climate Action Implementation Advisory Group

Emissions Reduction of Community Actions



- Residential Energy Retrofit
- Green Standard for New Buildings
- Active Transportation
- Manure Management
- Biogas Capture and Conversion
- Afforestation, Habitat and Biodiversity Protection
- ICI Energy Retrofit & Energy Management
- Zero-emissions Vehicle
- Solid Waste Diversion
- Enteric Fermentation
- Sustainable Soil and Crop Management
- Renewable Energy

Four Foundational Pillars



Continuing and expanding these 4 Foundational Pillars can achieve 40% of our cumulative emissions reduction potential to 2050

Five Key Next Steps

1. Green Development Standard

2. Residential Retrofit Program

3. Accelerate Zero Emissions Transportation

4. Develop Climate Adaptation Plan

5. Climate Action Engagement Program

Initiating these 5 Key Next Steps can achieve 39% of our cumulative emissions reduction potential to 2050

Community Impacts

	Annual Reduction Potential at 2050	Cumulative Reduction Potential to 2050	% Reduction from Baseline
GHG Emissions (tCO ₂ e)		11,145,200	
Energy Consumption (GJ)		116,403,700	61
Energy Cost Savings (\$CAD)			



Thank you!

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